



Japanese Technology since 1912

## UK Price List 2018



## **EBARA Pumps Europe S.p.A.**

EBARA Pumps Europe S.p.A. was founded in 1988 in Italy, but the official inauguration was in 1992 with the Cles (Trento) plant opening, one of the largest in Europe for the manufacturing of stainless steel pumps.

EBARA Pumps Europe S.p.A. is the European branch of EBARA CORPORATION in Tokyo, Japanese multinational company, with a worldwide presence in the sector for over 100 years, with the constant will to meet technological development and market requirement, in the total respect of the environment.

EBARA Pumps Europe S.p.A. represents one of the most important centre in Europe for the market of the industrial and domestic pumps thanks to the innovative range of stainless steel and cast iron products and the high technological level achieved in the years with particular reference to the pressing, stamping and welding processes.

## **EBARA Corporation**

Is the world leader in design, development and manufacture of pumps and pumping systems.

EBARA represents in Japan and in the world the great example of a Group able to anticipate and meet the market requirements. For over 100 years this large company has extended and improved its basis products, the widest range in the world of industrial and domestic pumps, turbomachines, fans and compressors in the world.

EBARA is a large company which is concerned with the manufacture of quality and innovative products.

The EBARA Group counts 82 Subsidiary Companies and associated firms in Japan and in the rest of its worldwide network.

In Japan there are four large plants: Haneda, Sodegaura, Fujisawa and Futtsu.

## **Mission**

The “creation of a sustainable company” is at the basis of the EBARA Group philosophy (about 16.000 employees in the world), a company deeply linked to water, air and the environment, indispensable elements for life on earth.

EBARA intends to “create products gaining customers” trust and satisfaction” and to aid countries throughout the world, contributing in creating the infrastructures necessary for achieving sustainable economic and social growth, following the traditions, offering high quality products and services thanks to advanced technology and enormous experience. EBARA Pumps Europe S.p.A. currently employs more than 600 workers and aims to enhance its position of leadership on the world market.





**EBARA**

Japanese Technology since 1912



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**Instruction manual**



**Kensaku**  
spare parts selection software



**Pump selection**  
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# Fields of applications



## INDUSTRY

EBARA offers a wide range of solutions thanks to the extensive experience in the business of electric pumps, developed for more than 100 years, and to the great knowledge of the performance and specifications of stainless steel, a material that perfectly fits various industrial applications. Added to this, the company is able to adapt its solutions to different needs, creating a wide range of “tailored” products and ensuring to customers not only a product, but most of all a pumping system and an efficient and reliable service.



## BUILDING SERVICE

### HVAC, pressure boosting, fire fighting

Comfort, well-being and safety are the main necessities that everybody wants to satisfy in his home environment, in his workplace and in his free time. An advanced climate control system, simple and effective in providing heat or cold in the various situations, water management in all domestic environments without waste, and an always reliable security system in case of fire: these are just some of the applications for centrifugal pumps. EBARA Pumps Europe is able not only to provide the right product for these instances, but above all to ensure comfort, reliability and cost savings throughout all the period pumps are used.



## DRAINAGE AND WASTEWATER

All around the world buildings and industries produce wastewater, which has to be disposed of in reliable way in order to meet regulatory standards. Our pumps and lifting units guarantee an effective purification with highly reliable systems, both for small household applications and large industrial installations. Whatever the application, EBARA has a fast and efficient solution.



## WATER SUPPLY

### Municipal/Residential water works, agriculture and irrigation, pressure boosting

Water distribution and treatment is the basic condition for human life, from civil applications to use for agriculture. For this reason EBARA knows to have a great responsibility towards people and environment, and the company constantly works to meet the water needs with great efficiency, while respecting the environment.

# Icons legend



**Lightweight and easily transportable**  
Easy to transport thanks to its particularly lightweight and maneuverability



**Practical and easy to use**  
A product easy to install and set-up



**Available with brass impeller**  
Available with brass impeller, to reduce the risk of blockage caused by oxidation



**Sturdy construction**  
A product characterized by a sturdy construction designed to long-life working



**Compact dimensions**  
A compact product that has high performances and allows installation in those areas where minimum dimensions are required



**Stainless steel AISI 316 version available**  
A product available in stainless steel AISI 316



**Silent**  
A product that can offer high performance and reduced noise



**Nickel-plated version available**  
A product available in nickel-plated version, strongly resistant for long-life working



**Motor protect from water inlet**  
A product with motor protect from water or liquid inlet



**Easy maintenance**  
A product designed with advanced technical solution for easy maintenance



**Provided with counterflanges**  
Counterflanges are included



**High efficiency**  
EBARA Technology ensure high hydraulic efficiency



**Different connections available**  
This product have many different connection types available (flanges, clamp, Victaulic, etc...)



**High performances**  
Product with high and reliable performances



**Volute obtained with hydro-forming process**  
The core of centrifugal EBARA pumps is the volute, obtained with a high pressure forming process with plasma; this is the ultimate generation of pumps for water movement



**Different impellers available**  
This product can be provide with different impeller materials for different applications



**Horizontal operation allowed**  
Borehole pumps can be installed in horizontal position



**Flexibility**  
Product suitable for different installations



**Bronze version for sanitary water available**  
Product available in bronze version for sanitary water application

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# Surface pumps

## Range selection

Model	Pump body	Impeller			Motor
		material	type	no. of impellers	
JE	AISI 304	SS	Closed	1	with internal ventilation
JES	AISI 304	PPE + PS	Closed	1	with internal ventilation
JEX	AISI 304	SS	Closed	1	with fin
JESX	AISI 304	PPE + PS	Closed	1	with fin
AGA - AGC	Cast iron	PPE + PS/B <sup>1</sup>	Closed	1	with fin
CD	AISI 304	SS	Closed	1	with internal ventilation
CDX(L)	AISI 304	SS	Closed	1	with fin
2CDX(L)	AISI 304	SS	Closed	2	with fin
DWO	AISI 304	SS	Open	1	with fin
DWC	AISI 304	SS	Closed	1	with fin
CMA - B - C - D	Cast iron	PPE + PS/B/CI <sup>2</sup>	Closed	1	with fin
CMR	Cast iron	PPE + PS/B <sup>3</sup>	Open	1	with fin
CDA	Cast iron	PPE + PS/B <sup>4</sup>	Closed	2	with fin
PRA - PRN	Cast iron	B	Closed	1	with fin
SWS - SWT	Reinforced polypropylene	N	Open	1	with fin

PPE+PS= Technopolymer reinforced with fibreglass - SS= Stainless steel - B= Brass - CI= Cast iron - N= Noryl

<sup>1</sup> PPE+PS reinforced with fibreglass only for AGA 0.60 - 0.75 - 1.00

<sup>2</sup> PPE+PS reinforced with fibreglass for CMA 0.50 - 0.75 - 1.00, brass for CMA 1.50 - 2.00 - 3.00 - CMB 2.00 - 3.00 - 4.00 - 5.50, cast iron per CMB 0.75 - 1.00 - 1.50 - CMC - CMD

<sup>3</sup> brass only for CMR 0.75 - 1.00

<sup>4</sup> PPE+PS reinforced with fibreglass only for CDA 0.75 - 1.00



# Surface pumps

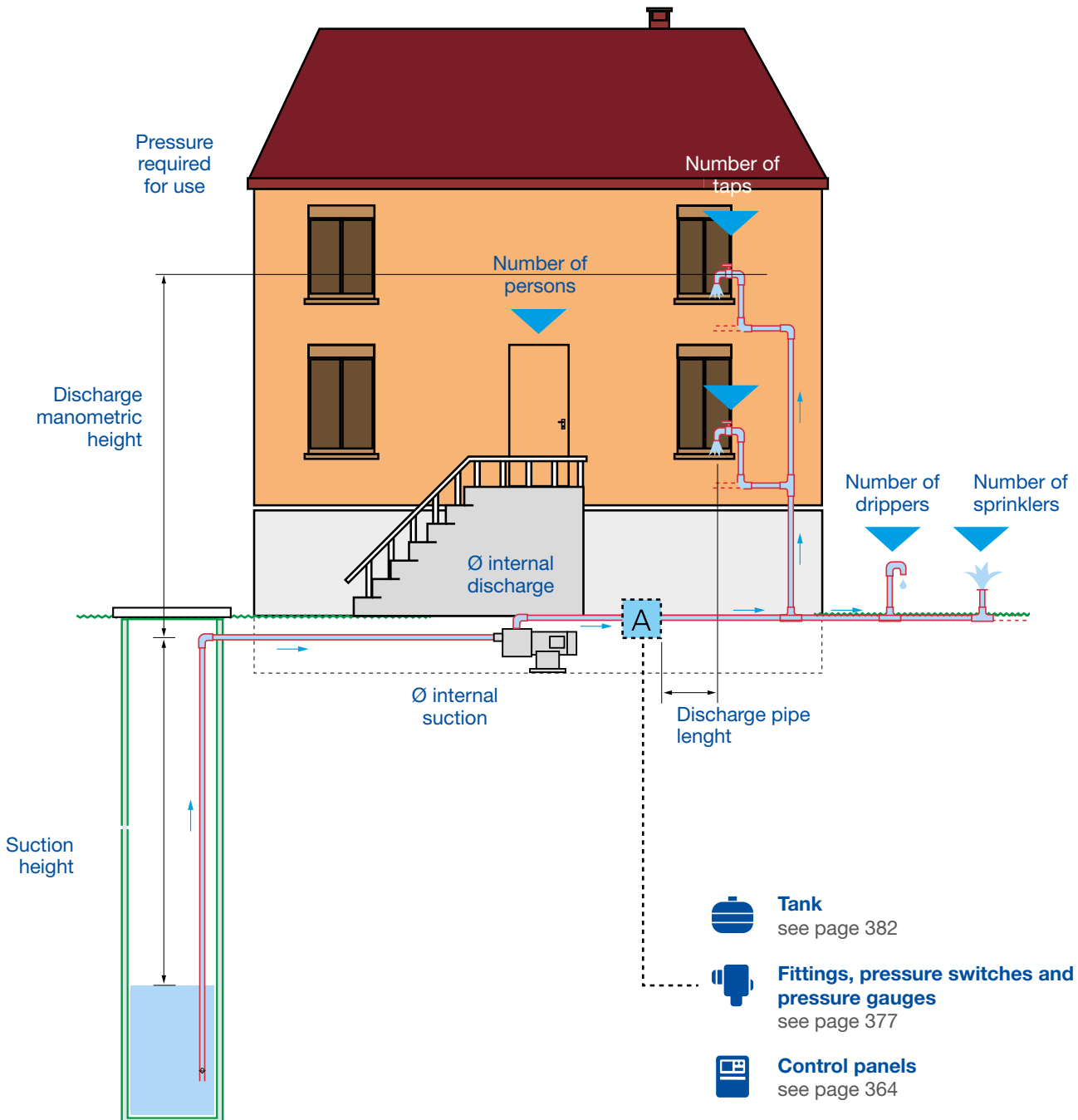
## Introduction to the use of surface pumps

### Self priming pump

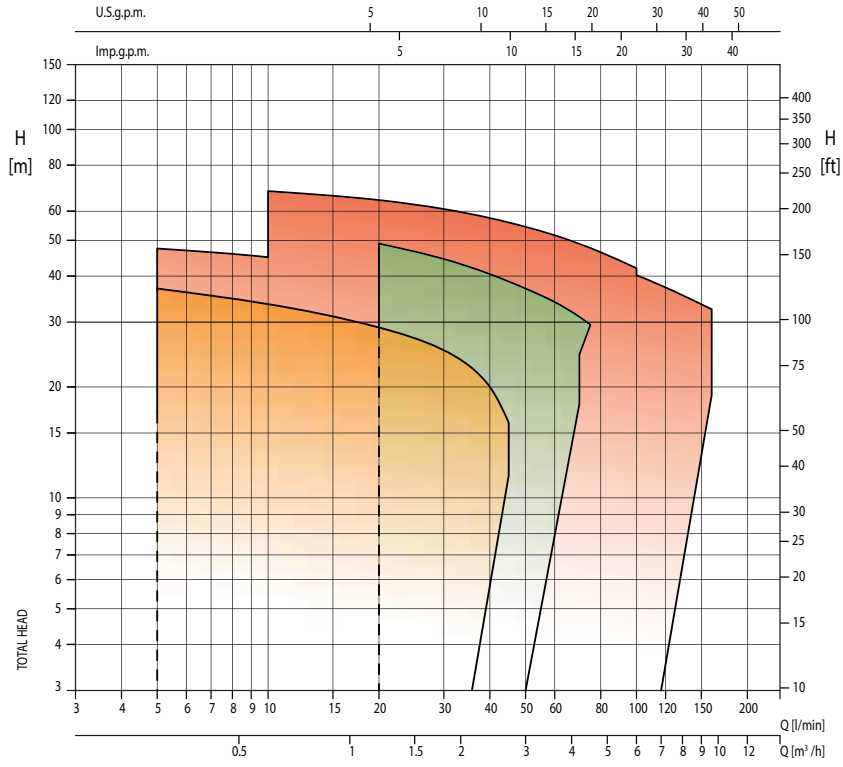
Equipped with Venturi pipe (JE - JES, AGA, AGC series), the pump could be primed automatically up to 8 m deep.

### Centrifugal pump

Pumps that can aspire (from 0,5 up to 8m, depend of models type) if the they are already primed, or rather if the pipe are already full of water when the pump started. This type of plant needs some accurate precautions (as a, for example, a good non return valve) and the flexible pipes are to be avoided to prevent any leakage on a pipeline.

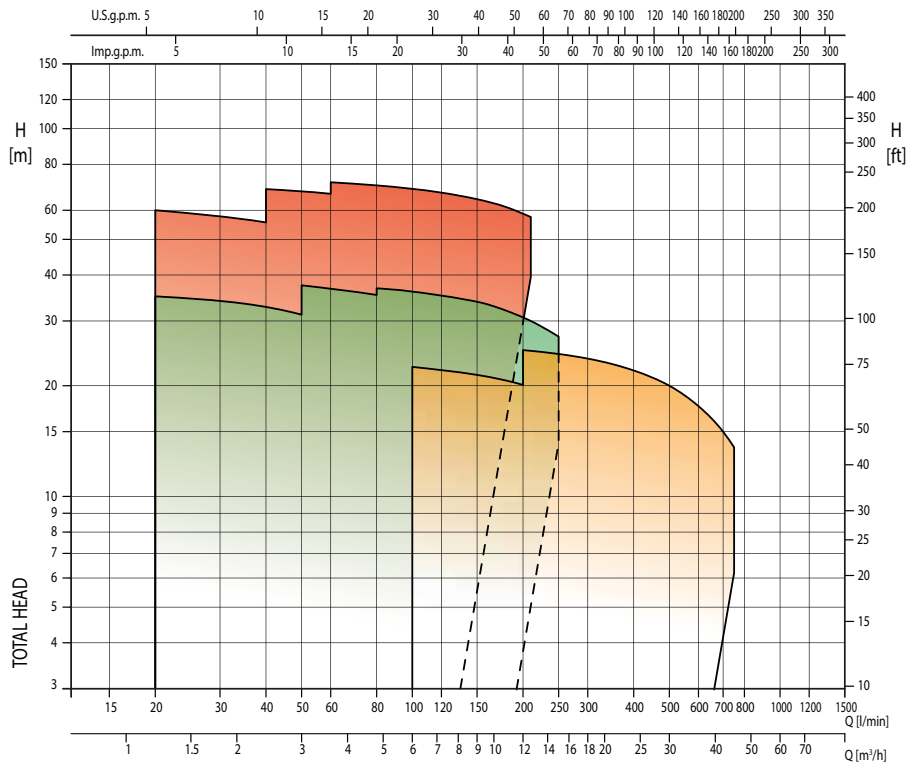


### JET PUMPS



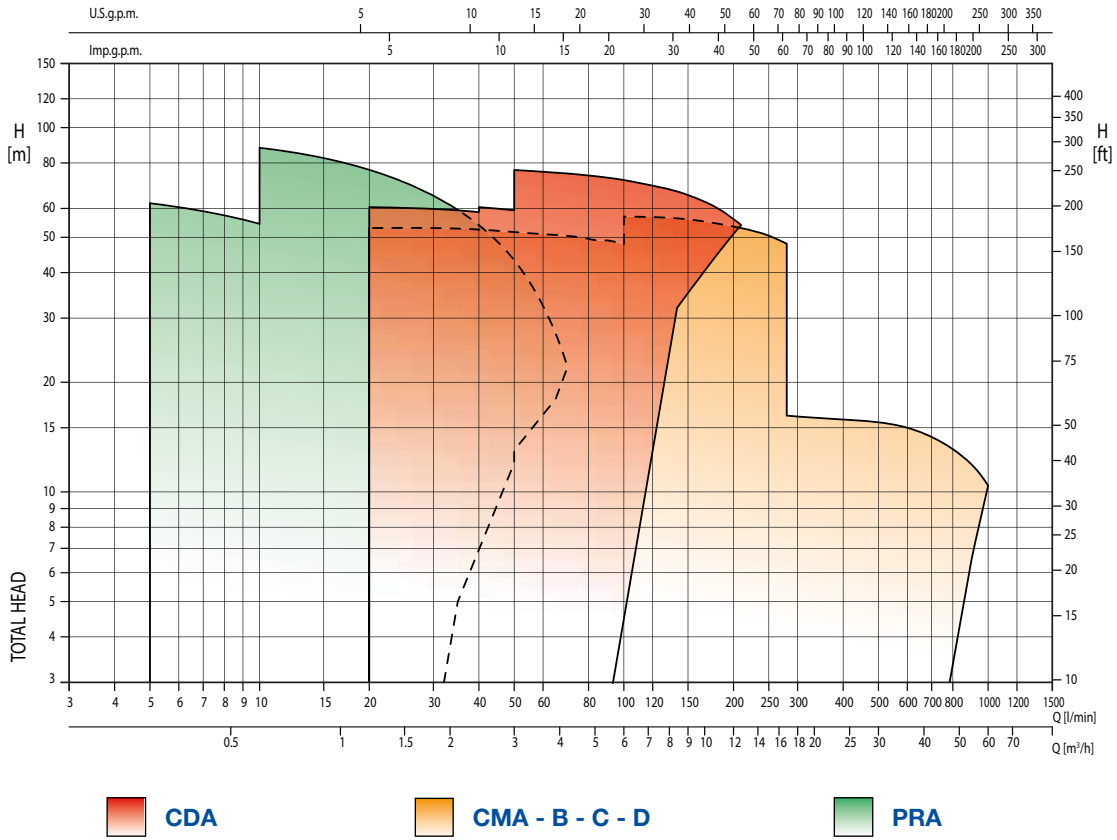
- AGA - AGC**
- JES - JESX**
- JE - JEX**

### STANDARD PUMPS (STAINLESS STEEL)

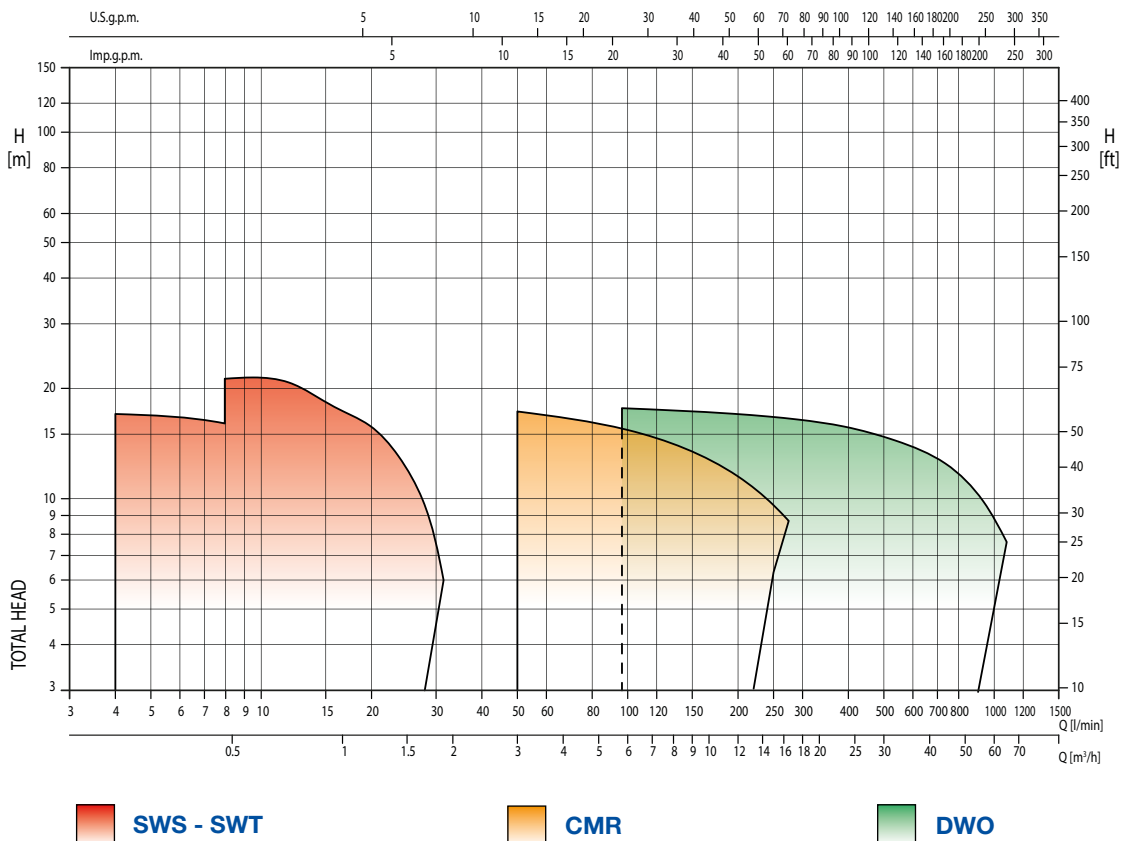


- 2CDX(L)**
- DWC**
- CD - CDX(L)**

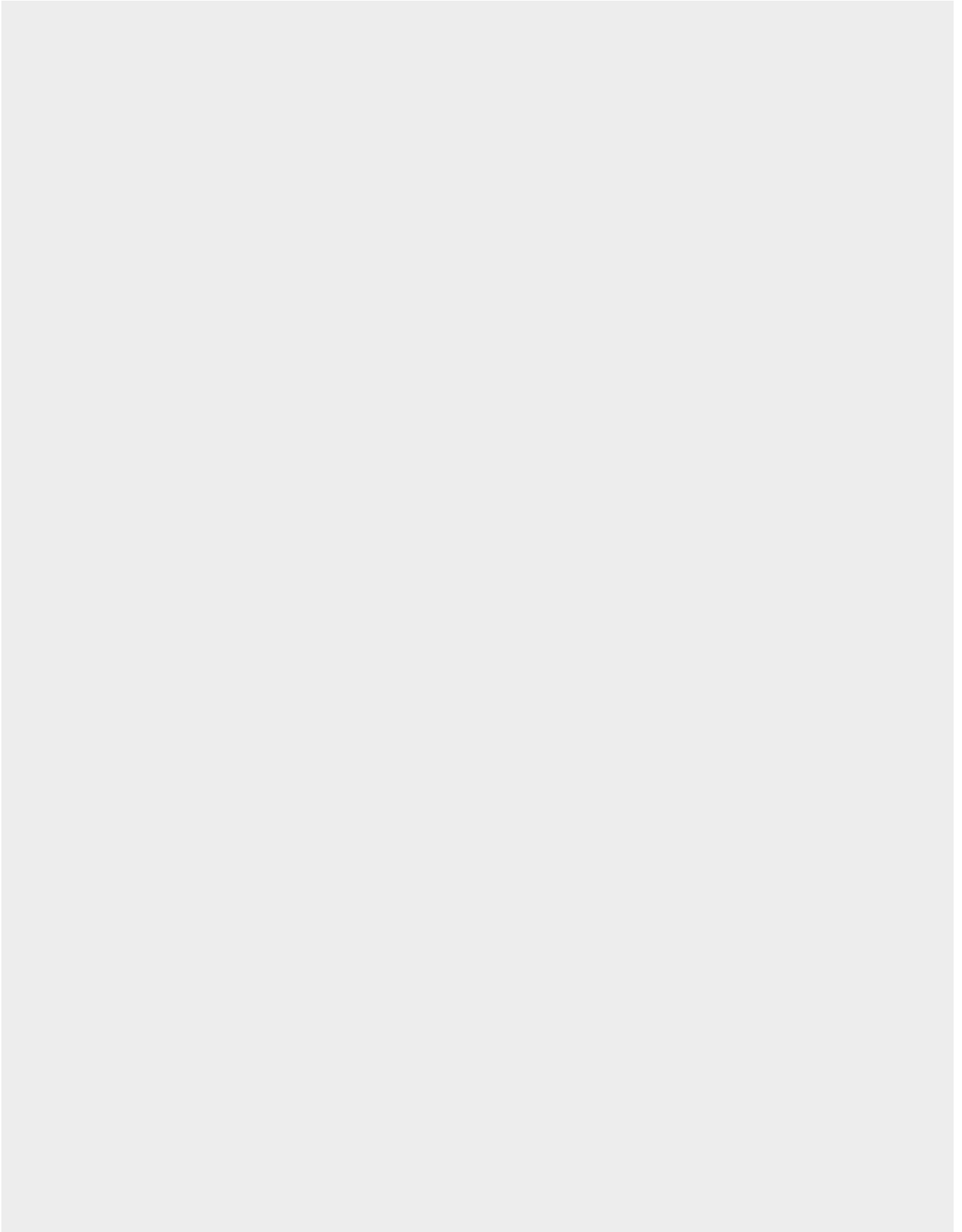
### STANDARD PUMPS (CAST IRON)



### SPECIAL PUMPS



# Notes



**JES - JE****14**

Self priming "JET" pumps in AISI 304

**JESX - JEX****17**

Self priming "JET" pumps in AISI 304

**AGA - AGC****20**

Self priming "JET" pumps in cast iron

**CDX(L)****23**

Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316

**CD****26**

Single impeller centrifugal pumps completely made in AISI 304

**2CDX(L)****29**

Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316

**DWC****32**

Closed impeller centrifugal pumps in AISI 304

**CMA - B - C - D****34**

Single impeller centrifugal pumps in cast iron

**CDA****39**

Closed impeller centrifugal pumps in cast iron

**PRA - PRN****41**

Peripheral impeller centrifugal pumps in cast iron

**DWO****43**

Open impeller centrifugal pumps in AISI 304

**CMR****45**

Open impeller centrifugal pumps in cast iron

**SWS - SWT****47**

Self priming pumps for swimming pool

# JES - JE



## Self priming "JET" pumps in AISI 304 stainless steel

Self priming "JET" pumps in AISI 304 stainless steel particularly suitable for drinking water supplying, domestic pressure boosting, small-scale garden irrigation, tanks and swimming pool emptying and clean water pumping in general.



Practical and easy to use



Lightweight and easily transportable

### Technical data

**Max. working pressure** 6 bar

**Max. temperature of the liquid** 45°C

**Max. suction depth** 8 m

**Poles** 2

**Insulation class** F

**Protection degree** IP44 (IP55 on request)

**Voltage** Single phase 230V  $\pm$ 10%  
Three phase 230/400V  $\pm$ 10%

### Materials

<b>Pump body</b>	AISI 304 stainless steel
<b>Impeller</b>	AISI 304 stainless steel for JE PPO reinforced with fibreglass for JES
<b>Shaft</b>	AISI 303 stainless steel (part in contact with the liquid)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	AISI 304 stainless steel

### Accessories



#### Tanks

Page 382 - **8/10 bar 5/10 litres tanks**



#### Pressure switches

Page 377 - **1,3÷12 bar pressure switches**



#### Control panels and Control systems

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Pressure regulator

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Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

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1EP-E - QA50/B - QA60/C - Smart

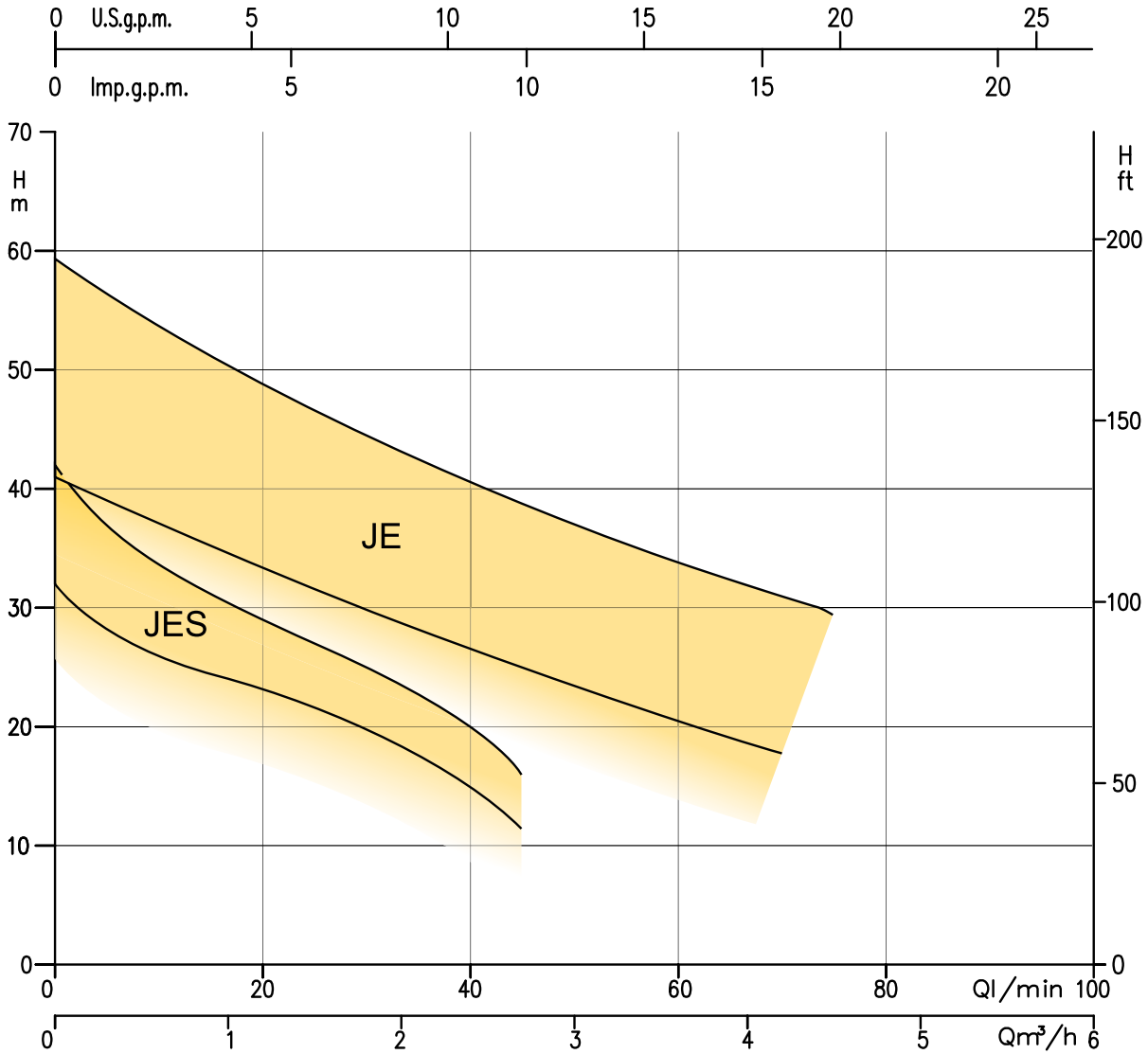


#### Floats

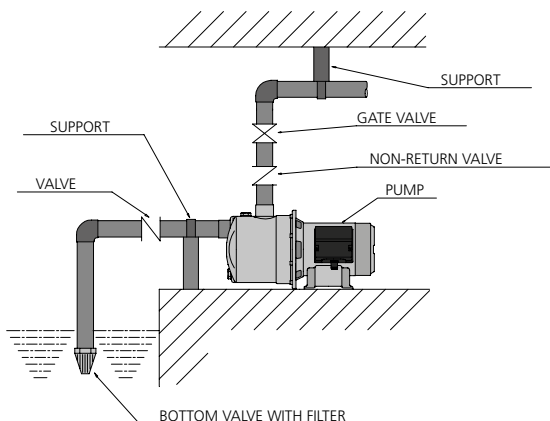
Page 377 - **5/10 m key floats with counterweight**

# JES - JE

Self priming "JET" pumps in AISI 304 stainless steel



## Installation



JES - JE self priming pumps are practical and easy to use, and allow a simple installation thanks to their reduced weight. Installed and well fixed in a flat surface can provide an aspiration up to 8 m. A bottom valve plus filter allow a reliable work. Versatility and reduced dimension also ensure a fast and basic maintenance.

# JES - JE

Self priming "JET" pumps in AISI 304 stainless steel



Single phase 230V												2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	5	20	40	50	60	70				
					m³/h	0,3	1,2	2,4	3	3,6	4,2				
H=Total head [m]															
JESM 5*	1700050000	<b>387,00</b>	0,5	0,37		28,0	23,0	15,0	-	-	-	2,1	G1	G1	5,6
JESM 6*	1700060000	<b>398,00</b>	0,6	0,44		31,5	26,0	17,0	-	-	-	2,4	G1	G1	5,8
JESM 8*	1700080000	<b>414,00</b>	0,8	0,6		37,0	29,0	20,0	-	-	-	3	G1	G1	6,0
JEM 80	1650040000	<b>414,00</b>	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	4,7	G1	G1	10,5
JEM 100	1650050000	<b>457,00</b>	1	0,75		-	37,0	30,0	27,0	24,0	21,0	6,4	G1	G1	12,0
JEM 120	1650060000	<b>545,00</b>	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	6,7	G1	G1	12,5
JEM/A 150	1650070000A	<b>609,00</b>	1,5	1,1		-	49,0	40,5	37,0	34,0	31,0	7,6	G1	G1	14,1

\* Impeller in PPO reinforced with fibreglass

Three phase 230/400V												2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	5	20	40	50	60	70	230V	400V			
					m³/h	0,3	1,2	2,4	3	3,6	4,2					
H=Total head [m]																
JES 5*	1700050004	<b>387,00</b>	0,5	0,37		28,0	23,0	15,0	-	-	-	1,5	0,85	G1	G1	5,6
JES 6*	1700060004	<b>398,00</b>	0,6	0,44		31,5	26,0	17,0	-	-	-	1,9	1,1	G1	G1	5,8
JES 8*	1700080004	<b>414,00</b>	0,8	0,6		37,0	29,0	20,0	-	-	-	2,25	1,3	G1	G1	6,0
JE 80	1650040004	<b>408,00</b>	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	3,3	1,9	G1	G1	10,5
JE/I 100	1650050004I	<b>479,00</b>	1	0,75		-	37,0	30,0	27,0	24,0	21,0	3,6	2,1	G1	G1	12,0
JE/I 120	1650060004I	<b>606,00</b>	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	3,6	2,1	G1	G1	12,5
JE/I 150	1650070004I	<b>713,00</b>	1,5	1,10		-	49,0	40,5	37,0	34,0	31,0	5,8	3,3	G1	G1	17,3

\* Impeller in PPO reinforced with fibreglass



# JESX - JEX



## Self priming "JET" pumps in AISI 304 stainless steel

Self priming "JET" pumps in AISI 304 stainless steel particularly suitable for drinking water supplying, domestic pressure boosting, small-scale garden irrigation, tanks and swimming pool emptying and clean water pumping in general.



Practical and easy to use



Lightweight and easily transportable

## Materials

<b>Pump body</b>	AISI 304 stainless steel
<b>Impeller</b>	AISI 304 stainless steel for JEX PPE+PS reinforced with fibreglass for JESX
<b>Shaft</b>	AISI 303 stainless steel (part in contact with the liquid)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Aluminium

## Technical data

<b>Max. working pressure</b>	6 bar
<b>Max. temperature of the liquid</b>	45°C
<b>Max. suction depth</b>	8 m
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP54 (IP55 on request)
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



**Tanks**  
Page 382 - 8/10 bar 5/10 litres tanks



**Pressure switches**  
Page 377 - 1,3÷12 bar pressure switches



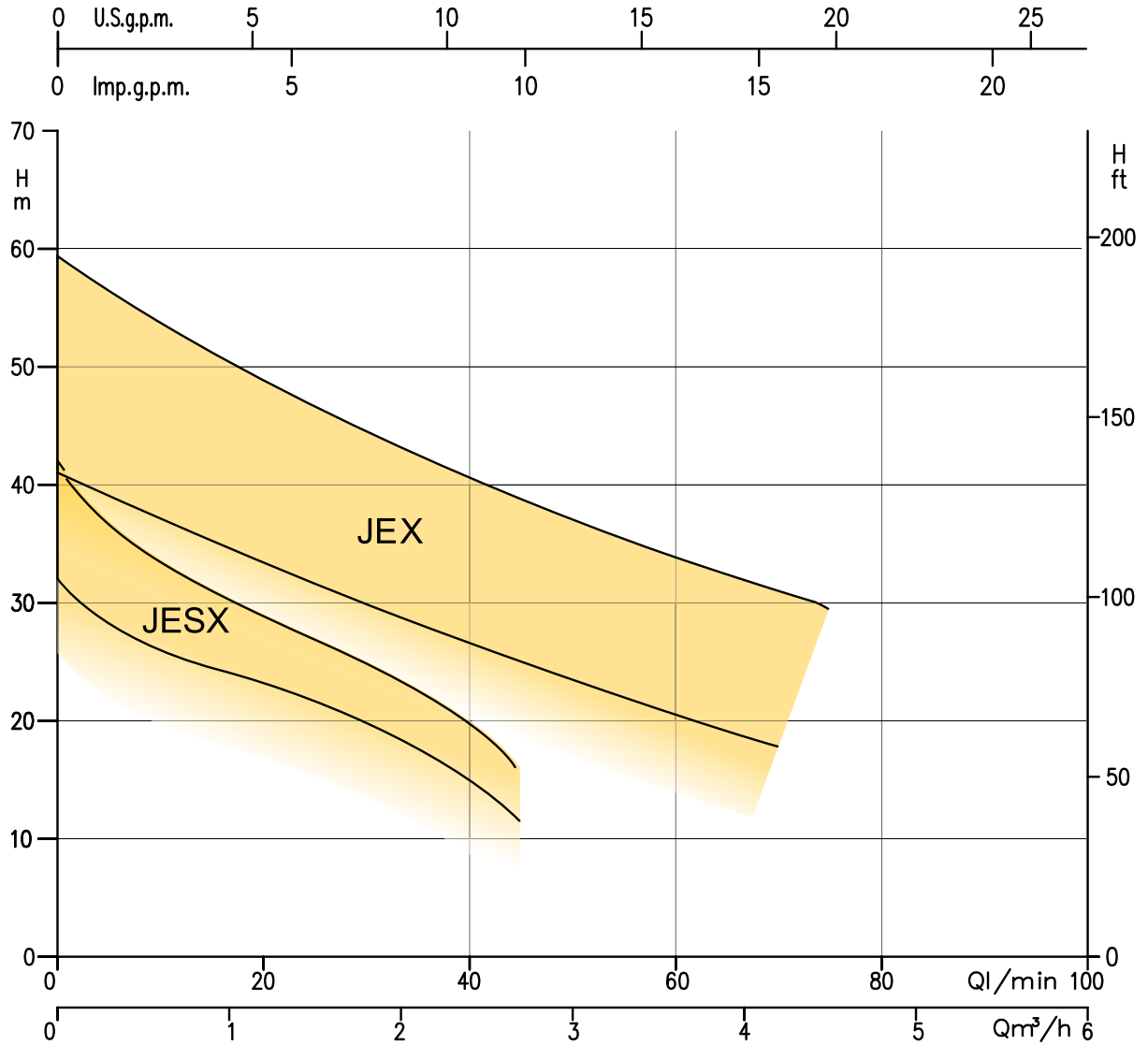
**Control panels and Control systems**  
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Pressure regulator  
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Variable speed control systems  
Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
1EP-E - QA50/B - QA60/C - Smart



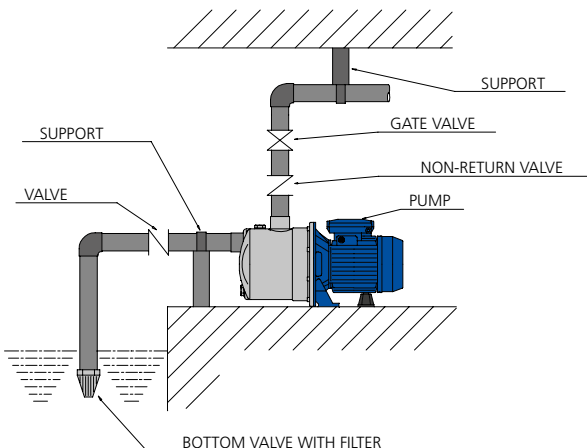
**Floats**  
Page 377 - 5/10 m key floats with counterweight

# JESX - JEX

Self priming "JET" pumps in AISI 304 stainless steel



## Installation



JESX - JEX self priming pumps are practical and easy to use, and allow a simple installation thanks to their reduced weight. Installed and well fixed in a flat surface can provide an aspiration up to 8m. A bottom valve plus filter allow a reliable work. Versatility and reduced dimension also ensure a fast and basic maintenance.

# JESX - JEX

Self priming "JET" pumps in AISI 304 stainless steel



Single phase 230V														2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					I/min	5	20	40	50	60	70	75				
					m³/h	0,3	1,2	2,4	3	3,6	4,2	4,5				
H=Total head [m]																
JESXM 5*	1690050000	<b>368,00</b>	0,5	0,37		28,0	23,0	15,0	-	-	-	-	2,1	G1	G1	5,1
JESXM 6*	1690060000	<b>380,00</b>	0,6	0,44		31,5	26,0	17,0	-	-	-	-	2,4	G1	G1	5,5
JESXM 8*	1690080000	<b>392,00</b>	0,8	0,6		37,0	29,0	20,0	-	-	-	-	3	G1	G1	6,1
JEXM/A 80	1665040000	<b>392,00</b>	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	-	4,7	G1¼	G1	10,2
JEXM/A 100	1665050000	<b>438,00</b>	1	0,75		-	37,0	30,0	27,0	24,0	21,0	-	6,4	G1¼	G1	11,6
JEXM/A 120	1665060000	<b>520,00</b>	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	-	6,7	G1¼	G1	11,6
JEXM/B 150	1665070000B	<b>580,00</b>	1,5	1,1		-	49,0	40,5	37,0	34,0	31,0	29,5	7,6	G1¼	G1	14,3

\* Impeller in PPE+PS reinforced with fibreglass

Three phase 230/400V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					I/min	5	20	40	50	60	70	75	230V	400V			
					m³/h	0,3	1,2	2,4	3	3,6	4,2	4,5					
H=Total head [m]																	
JESX 5*	1690050004	<b>368,00</b>	0,5	0,37		28,0	23,0	15,0	-	-	-	-	1,5	0,85	G1	G1	5,1
JESX 6*	1690060004	<b>380,00</b>	0,6	0,44		31,5	26,0	17,0	-	-	-	-	1,9	1,1	G1	G1	5,5
JESX 8*	1690080004	<b>392,00</b>	0,8	0,6		37,0	29,0	20,0	-	-	-	-	2,25	1,3	G1	G1	6,1
JEX 80	1665040004	<b>390,00</b>	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	-	3,3	1,9	G1¼	G1	10,2
JEX/I 100	1665050004I	<b>488,00</b>	1	0,75		-	37,0	30,0	27,0	24,0	21,0	-	3,6	2,1	G1¼	G1	11,6
JEX/I 120	1665060004I	<b>578,00</b>	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	-	3,6	2,1	G1¼	G1	11,6
JEX/I 150	1665070004I	<b>679,00</b>	1,5	1,1		-	49,0	40,5	37,0	34,0	31,0	29,5	5,8	3,3	G1¼	G1	16,2

\* Impeller in PPE+PS reinforced with fibreglass

# AGA - AGC

## Self priming "JET" pumps in cast iron

Self priming "JET" pumps in cast iron suitable for domestic pressure boosting, small-scale garden irrigation, car washing and clean water pumping in general.



Practical and easy to use



Lightweight and easily transportable



Available with brass impeller

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	PPE+PS reinforced with fibreglass for AGA 0.60-0.75-1.00, brass for the rest of the range
<b>Shaft</b>	AISI 303 stainless steel (part in contact with the liquid)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Aluminium for AGA 0.60-0.75-1.00 , Cast iron for the rest of the range

## Technical data

**Max. working pressure** 6 bar for AGA 0.60-0.75-1.00  
10 bar for the rest of the range

**Max. temperature of the liquid** 45°C

**Max. suction depth** 8 m

**Poles** 2

**Insulation class** F

**Protection degree** IP44

**Voltage** Single phase 230V ±10%  
Three phase 230/400V ±10%

## Accessories



### Tanks

Page 382 - 8/10 bar 5/10 litres tanks



### Pressure switches

Page 377 - 1,3÷12 bar pressure switches



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**  
Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart



### Floats

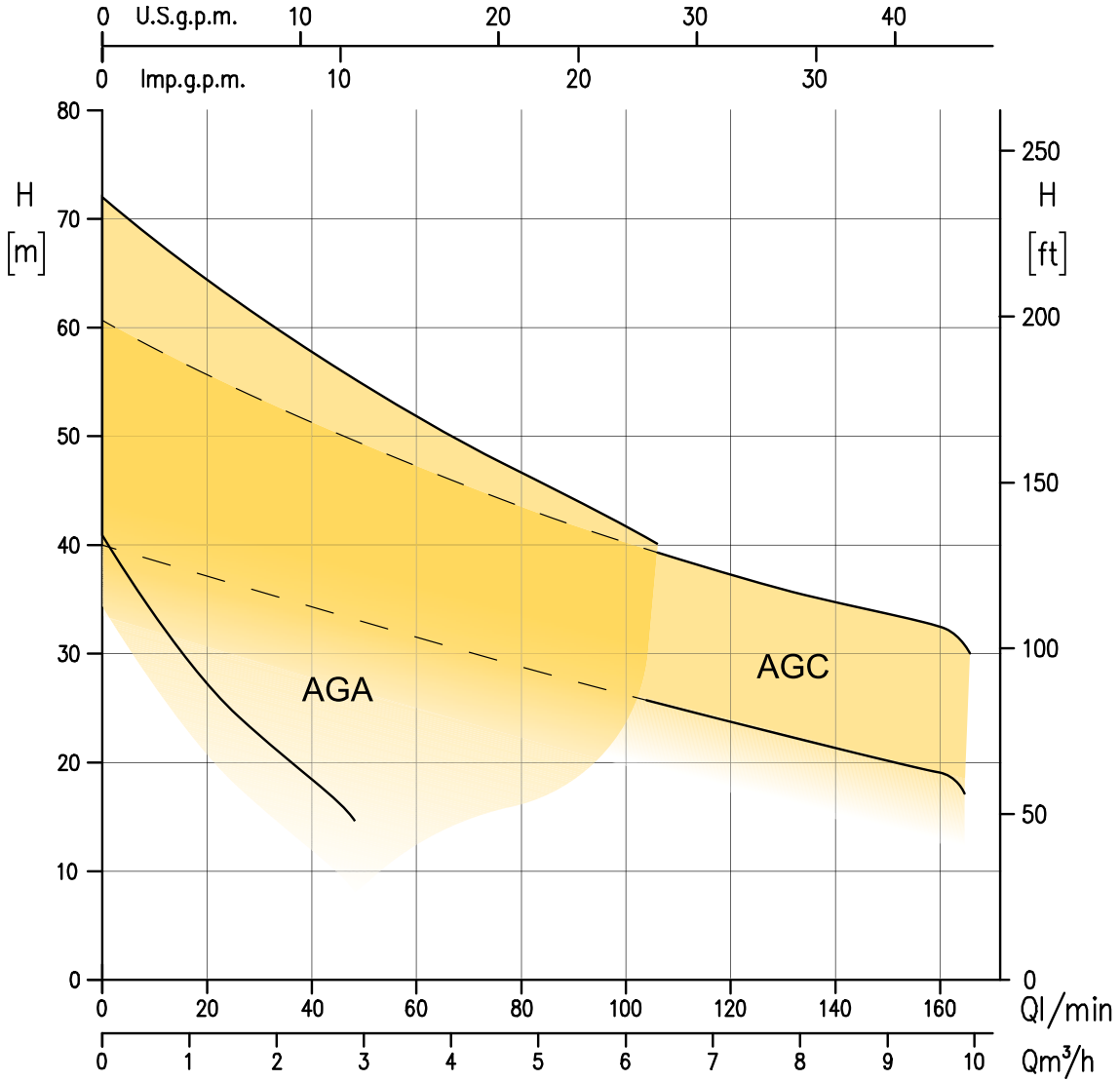
Page 377 - 5/10 m key floats with counterweight

# AGA - AGC

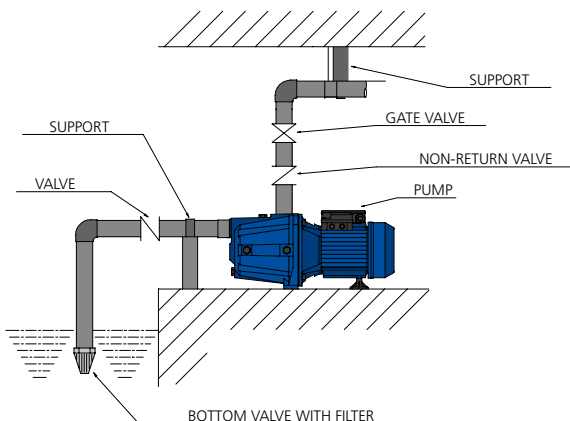
Self priming "JET" pumps in cast iron



Surface



## Installation



AGA - AGC self priming pumps are practical and easy to use, and allow a simple installation thanks to their reduced weight. Installed and well fixed in a flat surface can provide an aspiration up to 8 m. A bottom valve plus filter allow a reliable work. Versatility and reduced dimension also ensure a fast and basic maintenance.

# AGA - AGC

Self priming "JET" pumps in cast iron



Single phase 230V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					I/min	10	20	30	50	80	100	130	160				
					m <sup>3</sup> /h	0,6	1,2	1,8	3	4,8	6	7,8	9,6				
H=Total head [m]																	
AGA/A 0.60 M	1100060000A	320,00	0,6	0,44		33,4	27,1	22	-	-	-	-	-	3,1	G1	G1	12,0
AGA/A 0.60 M GO	1100060100A	358,00	0,6	0,44		33,4	27,1	22	-	-	-	-	3,1	G1	G1	12,0	
AGA 0.75 M	1100090000	333,00	0,75	0,55		42,8	37,9	32	18	-	-	-	4	G1	G1	12,5	
AGA 0.75 M GO	1100090100	368,00	0,75	0,55		42,8	37,9	32	18	-	-	-	4	G1	G1	12,5	
AGA 1.00 M	1100100000	358,00	1	0,75		45	40,3	35,7	27	-	-	-	5,5	G1	G1	13,8	
AGA 1.00 M GO	1100100100	392,00	1	0,75		45	40,3	35,7	27	-	-	-	5,5	G1	G1	13,8	
AGA/B 1.50 M	1110150000B	587,00	1,5	1,1		48	45,1	42,4	37,4	30,8	27	-	8,1	G1½	G1	25,5	
AGA/A 2.00 M	1110200000A	676,00	2	1,5		59	55,6	52,2	45,7	36,4	30,5	-	9,8	G1½	G1	26,6	
AGC/B 1.50 M	1120150000B	619,00	1,5	1,1		38,5	45,1	35,6	32,7	28,7	26,1	22,4	19	8,6	G1½	G1	25,5
AGC/A 2.00 M	1120200000A	694,00	2	1,5		51	55,6	48,8	46,3	42	38,7	33,2	27	10,5	G1½	G1	26,6

GO= Version with brass impeller

Three phase 230/400V														2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A]		DNA	DNM	Weight [kg]
					I/min	10	20	30	50	80	100	160	230V	400V				
					m <sup>3</sup> /h	0,6	1,2	1,8	3	4,8	6	9,6						
H=Total head [m]																		
AGA/A 0.60 T	1100060004A	320,00	0,6	0,44		33,4	27,1	22	-	-	-	-	2,1	1,2	G1	G1	12,0	
AGA 0.75 T	1100090004	333,00	0,75	0,55		42,8	37,9	32	18	-	-	-	2,8	1,6	G1	G1	12,3	
AGA/I 1.00 T	1100100004I	398,00	1	0,75		45	40,3	35,7	27	-	-	-	3,0	1,7	G1	G1	14,8	
AGA/I 1.00 T GO	1100100104I	499,00	1	0,75		45	40,3	35,7	27	-	-	-	5,8	3,3	G1	G1	14,8	
AGA/I 1.50 T	1110150004I	619,00	1,5	1,1		48	45,1	42,4	37,4	30,8	27	-	5,8	3,3	G1½	G1	26,5	
AGA/I 2.00 T	1110200004I	717,00	2	1,5		59	55,6	52,2	45,7	36,4	30,5	-	6,2	3,6	G1½	G1	28,6	
AGA/I 3.00 T	1110300004I	739,00	3	2,2		68	64,3	60,8	54,4	46,4	42	-	8,2	4,7	G1½	G1	29,9	
AGC/I 1.50 T	1120150004I	619,00	1,5	1,1		38,5	45,1	35,6	32,7	28,7	26,1	19	5,8	3,3	G1½	G1	28,3	
AGC/I 2.00 T	1120200004I	717,00	2	1,5		51	49,9	48,8	46,3	42	38,7	27	7,6	4,4	G1½	G1	29,5	
AGC/I 3.00 T	1120300004I	743,00	3	2,2		58	55,6	53,3	49,1	43,4	40,2	32,5	8,2	4,7	G1½	G1	29,9	

GO= Version with brass impeller

# CDX(L)



## Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel

Single impeller centrifugal pumps with AISI 304 or AISI 316 stainless steel hydraulic parts particularly suitable for domestic water boosting, small-scale garden watering, washing, water treatment, cooling towers and handling clean water in general.



Available for CDX(L)E version



Small dimensions



Sturdy hydraulic frame



Available in AISI 316 stainless steel

## Accessories



### Tanks

Page 382 - 8/10 bar 5/10 litres tanks



### Pressure switches

Page 377 - 1,3÷12 bar pressure switches



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**  
Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart



### Floats

Page 377 - 5/10 m key floats with counterweight



### Insulation casing

Page 378 - Insulation casing for CDX(L)/2CDX(L)

## Technical data

<b>Max. working pressure</b>	8 bar
<b>Max. temperature of the liquid</b>	-5°C ÷ +60°C for CDX 70/05 - 70/07 - 90/10 std and Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG -5°C ÷ +90°C for H, HS, HW, HSW versions -5°C ÷ +110°C for the rest of Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG models -5°C ÷ +120°C for the rest of Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG models
<b>MEI</b>	> 0,4
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10%

## Materials

<b>Pump body</b>	AISI 304 stainless steel (CDX) AISI 316 stainless steel (CDXL)
<b>Impeller</b>	AISI 304 stainless steel (CDX) AISI 316 stainless steel (CDXL)
<b>Shaft</b>	AISI 303 stainless steel (CDX) AISI 316 stainless steel (CDXL)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Aluminium

## Options



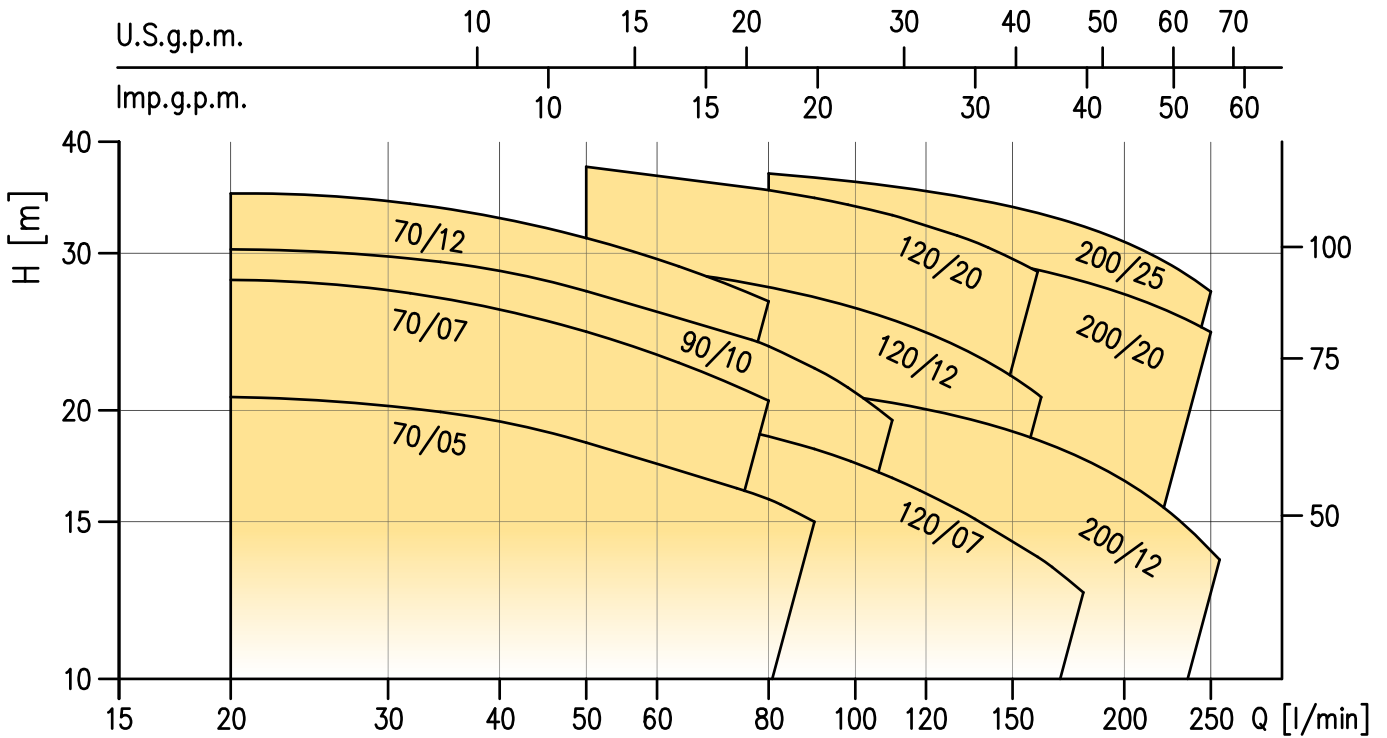
### Mechanical seal

Page 389 - H, HS, HW, HSW, E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG

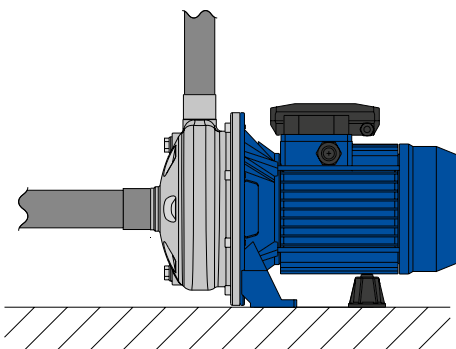
# CDX(L)



Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



## Installation



CDX(L) centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

## Insulation casing



Thermal insulation is available as accessory. Ready to use for chiller application, please see page 378



# CDX(L)

Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	50	90	130	160	210	250				
					m³/h	1,2	3	5,4	7,8	9,6	12,6	15				
H=Total head [m]																
CDXM/A 70/05	1615050000	<b>447,00</b>	0,5	0,37		20,7	18,4	15,0	-	-	-	-	3,4	G1¼	G1	8,3
CDXM/A 70/07	1615090000	<b>439,00</b>	0,75	0,55		28,0	24,5	-	-	-	-	5,0	G1¼	G1	9,8	
CDXM/A 90/10	1615100500	<b>570,00</b>	1	0,75		30,3	27,2	22,3	-	-	-	5,6	G1¼	G1	11,0	
CDXM/A 120/07	1625090000	<b>631,00</b>	0,75	0,55		-	20,5	18,1	15,5	13,7	-	4,6	G1¼	G1	9,6	
CDXM/G 120/12	1625100000G	<b>708,00</b>	1,2	0,9		-	29,3	26,8	23,6	21,0	-	6,9	G1¼	G1	11,8	
CDXM/B 120/20	1625200000B	<b>838,00</b>	2	1,5		-	37,5	34,6	31,4	28,6	-	9,3	G1¼	G1	16,5	
CDXM/G 200/12	1635100000G	<b>748,00</b>	1,2	0,9		-	-	21,0	19,7	18,5	16,0	6,3	G1½	G1	11,4	
CDXM/G 200/20	1635200000G	<b>841,00</b>	2	1,5		-	-	31,2	30,0	28,7	26,5	10,2	G1½	G1	15,3	

Max. temperature of the liquid: 60° for CDX 70/05, 70/07, 90/10, 90° for the rest of the standard range.  
 "SCA" version with drain plug available with a 5% increase on the price list.

Three phase 230/400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	20	50	90	130	160	210	250	230V	400V			
					m³/h	1,2	3	5,4	7,8	9,6	12,6	15					
H=Total head [m]																	
CDX/A 70/05	1615050004	<b>414,00</b>	0,5	0,37		20,7	18,4	15,0	-	-	-	-	2,4	1,4	G1¼	G1	8,3
CDX/A 70/07	1615090004	<b>434,00</b>	0,75	0,55		28,0	24,5	-	-	-	-	3,5	2,0	G1¼	G1	9,7	
CDX/I 90/10	1615100504I	<b>562,00</b>	1	0,75		30,3	27,2	22,3	-	-	-	3,3	1,9	G1¼	G1	11,0	
CDX/A 120/07	1625090004	<b>552,00</b>	0,75	0,55		-	20,5	18,1	15,5	13,7	-	3,2	1,85	G1¼	G1	9,5	
CDX/I 120/12	1625100004I	<b>694,00</b>	1,2	0,9		-	29,3	26,8	23,6	21,0	-	4,3	2,5	G1¼	G1	12,4	
CDX/I 120/20	1625200004I	<b>824,00</b>	2	1,5		-	37,5	34,6	31,4	28,6	-	7,1	4,1	G1¼	G1	18,1	
CDX/I 200/12	1635100004I	<b>735,00</b>	1,2	0,9		-	-	21,0	19,7	18,5	16,0	4,3	2,5	G1½	G1	12,2	
CDX/I 200/20	1635200004I	<b>826,00</b>	2	1,5		-	-	31,2	30,0	28,7	26,5	7,1	4,1	G1½	G1	17,0	
CDX/I 200/25	1635250004I	<b>969,00</b>	2,5	1,85		-	-	26,5	34,7	33,3	30,0	8,2	4,7	G1½	G1	16,8	

Max. temperature of the liquid: 60° for CDX 70/05, 70/07, 90/10, 90° for the rest of the standard range.  
 "SCA" version with drain plug available with a 5% increase on the price list.

L version - Three phase 230/400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	20	50	90	130	160	210	250	230V	400V			
					m³/h	1,2	3	5,4	7,8	9,6	12,6	15					
H=Total head [m]																	
CDXL/A 70/05	1615058004	<b>495,00</b>	0,5	0,37		20,7	18,4	15,0	-	-	-	-	2,4	1,4	G1¼	G1	8,3
CDXL/A 70/07	1615098004	<b>546,00</b>	0,75	0,55		28,0	24,5	-	-	-	-	3,5	2	G1¼	G1	9,7	
CDXL/I 90/10	1615108004I	<b>674,00</b>	1	0,75		30,3	27,2	22,3	-	-	-	3,3	1,9	G1¼	G1	11,0	
CDXL/A 120/07	1625098004	<b>665,00</b>	0,75	0,55		-	20,5	18,1	15,5	13,7	-	3,2	1,85	G1¼	G1	9,5	
CDXL/I 120/12	1625108004I	<b>832,00</b>	1,2	0,9		-	29,3	26,8	23,6	21,0	-	4,3	2,5	G1¼	G1	12,4	
CDXL/I 120/20	1625208004I	<b>989,00</b>	2	1,5		-	37,5	34,6	31,4	28,6	-	7,1	4,1	G1¼	G1	18,1	
CDXL/I 200/12	1635108004I	<b>883,00</b>	1,2	0,9		-	-	21,0	19,7	18,5	16,0	4,3	2,5	G1½	G1	12,2	
CDXL/I 200/20	1635208004I	<b>991,00</b>	2	1,5		-	-	31,2	30,0	28,7	26,5	7,1	4,1	G1½	G1	17,0	
CDXL/I 200/25	1635258004I	<b>1.164,00</b>	2,5	1,85		-	-	26,5	34,7	33,3	30,0	8,2	4,7	G1½	G1	16,8	

Max. temperature of the liquid: 60° for CDXL 70/05, 70/07, 90/10, 90° for the rest of the standard range.  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 AISI 316 single phase version available: please contact our sales network.

# CD



## Single impeller centrifugal pumps completely made in AISI 304 stainless steel

Single impeller centrifugal pumps with AISI 304 stainless steel hydraulic parts particularly suitable for domestic water boosting, small-scale garden watering, washing, water treatment, cooling towers and handling clean water in general.



Available for CDE version



Small dimensions



Sturdy hydraulic frame



### Technical data

<b>Max. working pressure</b>	8 bar
<b>Max. temperature of the liquid</b>	-5°C ÷ +60°C for CD 70/05-70/07-90/10 std and E versions -5°C ÷ +90°C for H, HS, HW, HSW versions -5°C ÷ +110°C for H, HS, HW, HSW versions -5°C ÷ +120°C for the rest of E version
<b>MEI</b>	> 0,4
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10%

### Materials

<b>Pump body</b>	AISI 304 stainless steel
<b>Impeller</b>	AISI 304 stainless steel
<b>Shaft</b>	AISI 303 stainless steel
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	AISI 304 stainless steel

### Options



#### Mechanical seal

Page 389 - H, HS, HW, HSW, E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG

### Accessories



#### Tanks

Page 382 - 8/10 bar 5/10 litres tanks



#### Pressure switches

Page 377 - 1,3÷12 bar pressure switches



#### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**  
Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart

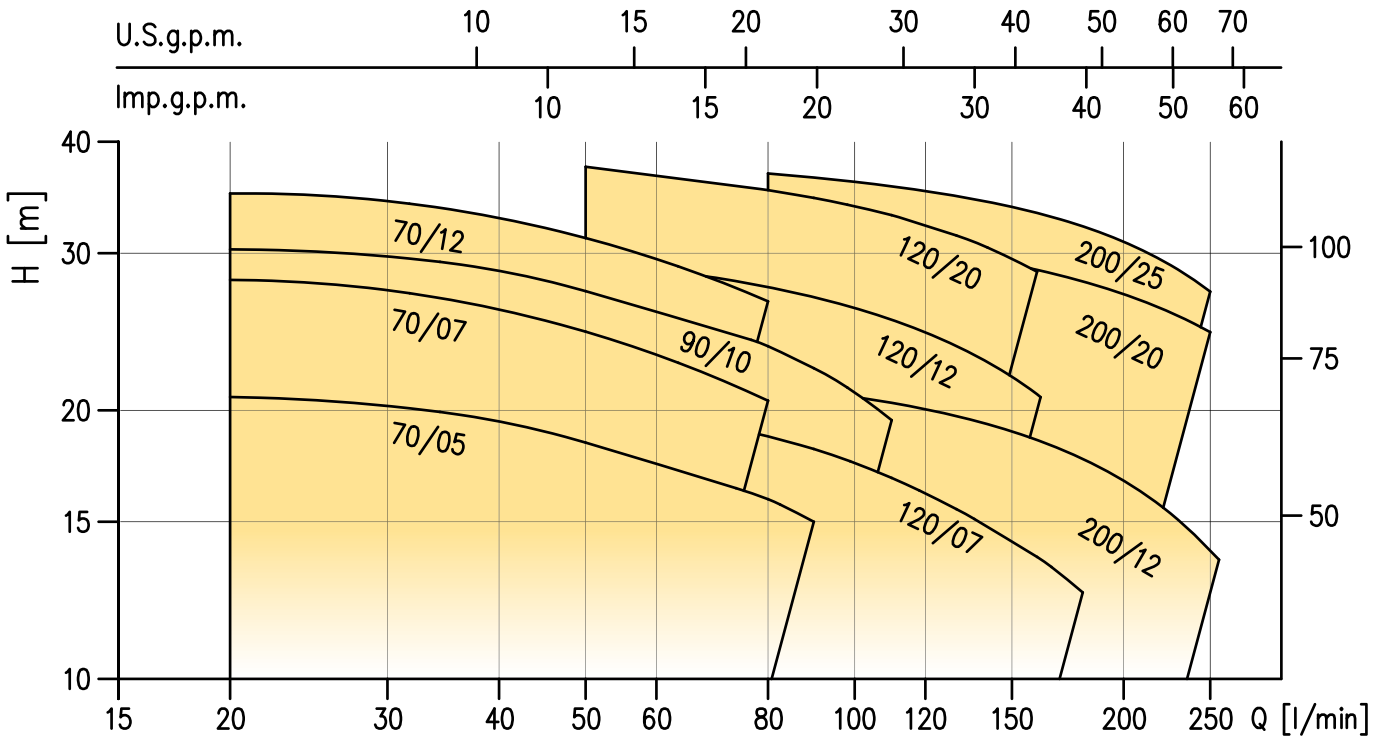


#### Floats

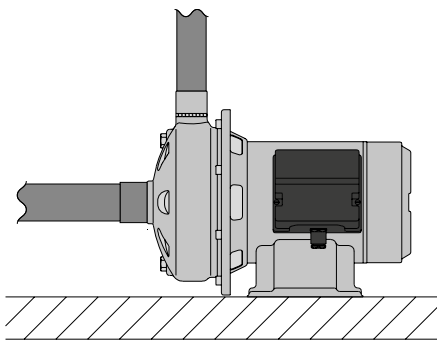
Page 377 - 5/10 m key floats with counterweight

# CD

Single impeller centrifugal pumps completely made in AISI 304 stainless steel



## Installation



CD centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

## Completely in AISI 304



2 poles encased self-ventilated internally cooled asynchronous motor

# CD



Single impeller centrifugal pumps completely made in AISI 304 stainless steel

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	50	90	130	160	210	250				
					m <sup>3</sup> /h	1,2	3	5,4	7,8	9,6	12,6	15				
H=Total head [m]																
CDM 70/05	1970050000	<b>468,00</b>	0,5	0,37		20,7	18,4	15,0	-	-	-	-	3,4	G1¼	G1	8,7
CDM 70/07	1970090000	<b>462,00</b>	0,75	0,55		28,0	24,5	-	-	-	-	5	G1¼	G1	10,0	
CDM 70/12	1970100000	<b>738,00</b>	1,2	0,9		35,0	31,2	-	-	-	-	6,5	G1¼	G1	13,2	
CDM 90/10	1970100500	<b>599,00</b>	1	0,75		30,3	27,2	22,3	-	-	-	5,6	G1¼	G1	11,5	
CDM 120/07	1980090000	<b>629,00</b>	0,75	0,55		-	20,5	18,1	15,5	13,7	-	4,6	G1¼	G1	10,0	
CDM/G 120/12	1980100000G	<b>744,00</b>	1,2	0,9		-	29,3	26,8	23,6	21,0	-	6,9	G1¼	G1	12,3	
CDM 120/20	1980200000	<b>881,00</b>	2	1,5		-	37,5	34,6	31,4	28,6	-	9,3	G1¼	G1	15,3	
CDM/G 200/12	1990100000G	<b>785,00</b>	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	6,3	G1½	G1	12,0
CDM/G 200/20	1990200000G	<b>883,00</b>	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	10,2	G1½	G1	15,8

Max. temperature of the liquid: 60° for CD 70/05, 70/07, 90/10, 90° for the rest of the standard range.

Three phase 230/400V													2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]	
					l/min	20	50	90	130	160	210	250	230V	400V				
					m <sup>3</sup> /h	1,2	3	5,4	7,8	9,6	12,6	15						
H=Total head [m]																		
CD 70/05	1970050004	<b>433,00</b>	0,5	0,37		20,7	18,4	15,0	-	-	-	-	2,4	1,4	G1¼	G1	8,7	
CD 70/07	1970090004	<b>459,00</b>	0,75	0,55		28,0	24,5	-	-	-	-	3,5	2	G1¼	G1	10,0		
CD/I 70/12	1970100004I	<b>743,00</b>	1,2	0,9		35,0	31,2	-	-	-	-	4,3	2,5	G1¼	G1	13,7		
CD/I 90/10	1970100504I	<b>590,00</b>	1	0,75		30,3	27,2	22,3	-	-	-	3,3	1,9	G1¼	G1	11,6		
CD 120/07	1980090004	<b>581,00</b>	0,75	0,55		-	20,5	18,1	15,5	13,7	-	3,2	1,85	G1¼	G1	10,5		
CD/I 120/12	1980100004I	<b>729,00</b>	1,2	0,9		-	29,3	26,8	23,6	21,0	-	4,3	2,5	G1¼	G1	12,9		
CD/I 120/20	1980200004I	<b>864,00</b>	2	1,5		-	37,5	34,6	31,4	28,6	-	7,1	4,1	G1¼	G1	18,3		
CD/I 200/12	1990100004I	<b>772,00</b>	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	4,3	2,5	G1½	G1	12,6	
CD/I 200/20	1990200004I	<b>867,00</b>	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	7,1	4,1	G1½	G1	17,5	
CD/I 200/25	1990250004I	<b>1.018,00</b>	2,5	1,85		-	-	36,5	34,7	33,3	30,0	27,2	8,2	4,7	G1½	G1	18,3	

Max. temperature of the liquid: 60° for CD 70/05, 70/07, 90/10, 90° for the rest of the standard range.

# 2CDX(L)



**Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel**

Single and twin impeller centrifugal pumps with AISI 304 or AISI 316 stainless steel hydraulic parts particularly suitable for domestic water boosting, small-scale garden watering, washing, water treatment, cooling towers and handling clean water in general.



Available for 2CDX(L)E version

- Small dimensions
- Sturdy hydraulic frame
- Available in AISI 316 stainless steel

## Technical data

<b>Max. working pressure</b>	8 bar
<b>Max. temperature of the liquid</b>	-5°C ÷ +60°C for 2CDX(L), E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG -5°C ÷ +110°C for H, HS, HW, HSW
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10%

## Materials

<b>Pump body</b>	AISI 304 stainless steel (2CDX) or AISI 316 stainless steel (2CDXL)
<b>Impeller</b>	AISI 304 stainless steel (2CDX) or AISI 316 stainless steel (2CDXL)
<b>Shaft</b>	AISI 304 stainless steel (2CDX) or AISI 316 stainless steel (2CDXL)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Aluminium (up to 1,5 kW included), cast iron (2,2 kW and above)

## Options

- Mechanical seal**  
Page 389 - H, HS, HW, HSW, E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG

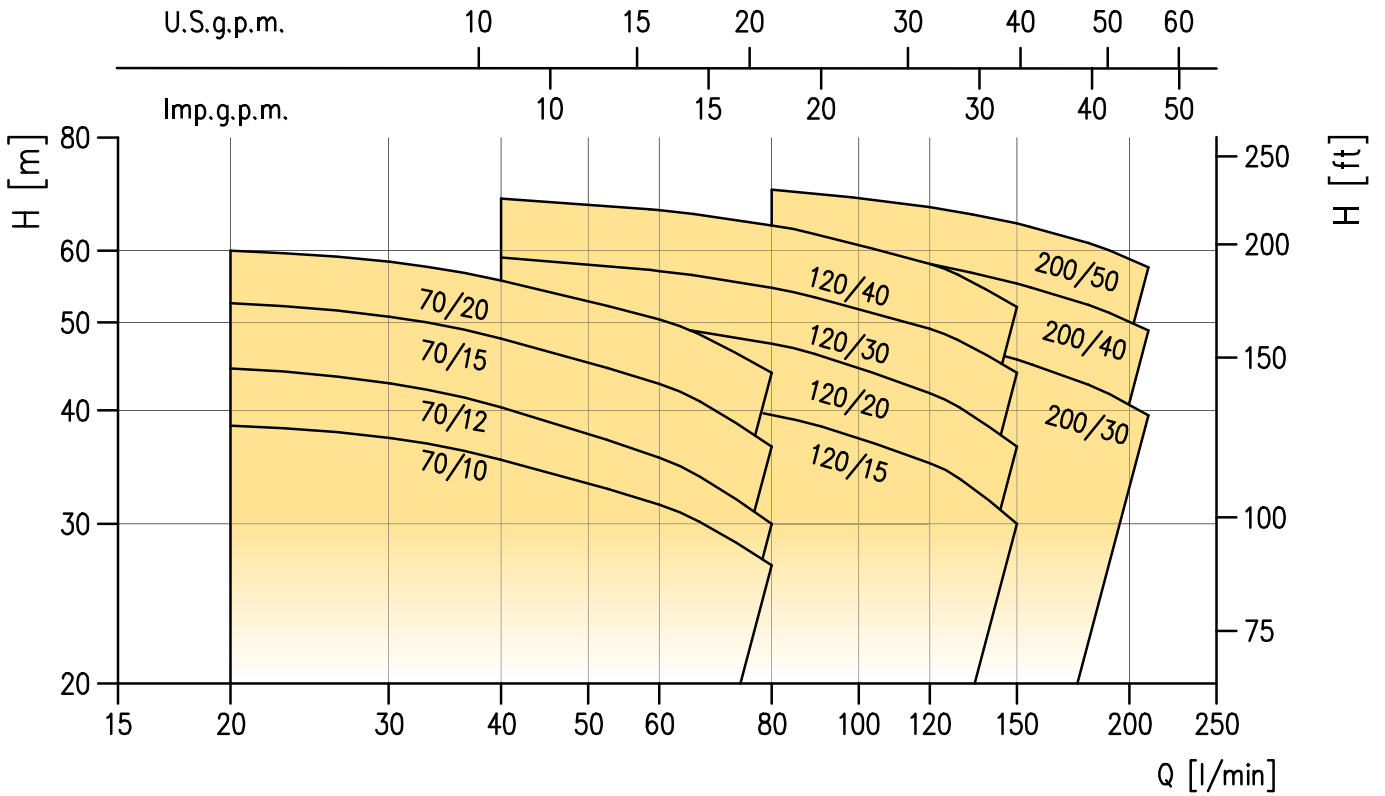
## Accessories

- Tanks**  
Page 382 - 8/10 bar 5/10 litres tanks
- Pressure switches**  
Page 377 - 1,3÷12 bar pressure switches
- Control panels and Control systems**  
Page 363 - **Presscomfort/Servopress**  
Pressure regulator  
Page 362 - **E-power**  
Variable speed control systems  
Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
1EP-E - QA50/B - Smart
- Floats**  
Page 377 - 5/10 m key floats with counterweight
- Insulation casing**  
Page 378 - Insulation casing for CDX(L)/2CDX(L)

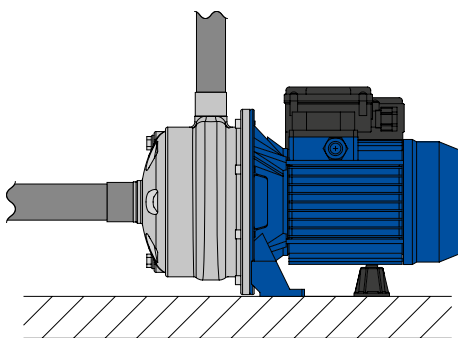
# 2CDX(L)



Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



## Installation



2CDX(L) centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach.

Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

## Insulation casing



Thermal insulation is available as accessory. Ready to use for chiller application, please see page 378



# 2CDX(L)



Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel

Surface

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	40	60	80	120	150				
					m³/h	1,2	2,4	3,6	4,8	7,2	9				
H=Total head [m]															
2CDXM/A 70/10	1611100000	590,00	1	0,75		38,5	35,3	31,5	27,0	-	-	6	G1¼	G1	12,7
2CDXM/A 70/12	1611120000	633,00	1,2	0,9		44,5	40,3	35,5	30,0	-	-	7	G1¼	G1	13,3
2CDXM/C 70/15	1611150000C	673,00	1,5	1,1		52,5	48,0	42,8	36,5	-	-	8,1	G1¼	G1	17,5
2CDXM/B 70/20	1611200000B	726,00	2	1,5		60,0	55,6	50,4	44,0	-	-	10	G1¼	G1	18,5
2CDXM/C 120/15	1621150000C	771,00	1,5	1,1		-	42,0	41,0	39,5	35,0	30,0	8,3	G1¼	G1	16,3
2CDXM/B 120/20	1621200000B	849,00	2	1,5		-	51,5	49,5	47,4	41,8	36,5	10,2	G1¼	G1	17,0

Liquid temperature up to 60°C for standard range  
 "SCA" version with drain plug available with a 5% increase on the price list.

Three phase 230/400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	40	60	80	120	150	180	210	230V	400V			
					m³/h	2,4	3,6	4,8	7,2	9	10,8	12,6					
H=Total head [m]																	
2CDX/I 70/10	1611100004I	595,00	1	0,75		35,3	31,5	27,0	-	-	-	-	3,4	2	G1¼	G1	12,6
2CDX/I 70/12	1611120004I	639,00	1,2	0,9		40,3	35,5	30,0	-	-	-	-	4,3	2,5	G1¼	G1	13,7
2CDX/I 70/15	1611150004I	680,00	1,5	1,1		48,0	42,8	36,5	-	-	-	-	5,8	3,3	G1¼	G1	17,0
2CDX/I 70/20	1611200004I	734,00	2	1,5		55,6	50,4	44,0	-	-	-	-	7,8	4,5	G1¼	G1	20,1
2CDX/I 120/15	1621150004I	778,00	1,5	1,1		42,0	41,0	39,5	35,0	30,0	-	-	5,8	3,3	G1¼	G1	15,6
2CDX/I 120/20	1621200004I	856,00	2	1,5		51,5	49,5	47,4	41,8	36,5	-	-	7,8	4,5	G1¼	G1	18,3
2CDX/I 120/30	1989300004I	1.130,00	3	2,2		59,0	57,0	54,6	49,2	44,0	-	-	8,2	4,7	G1¼	G1	26,1
2CDX/I 120/40	1989400004I	1.357,00	4	3		68,5	66,5	64,0	58,0	52,0	-	-	11,1	6,4	G1¼	G1	27,8
2CDX/I 200/30	1999300004I	1.141,00	3	2,2		-	52,0	50,8	48,1	45,5	42,7	39,5	11,1	6,4	G1½	G1	26,6
2CDX/I 200/40	1999400004I	1.367,00	4	3		-	62,5	61,1	58,0	55,2	52,3	49,0	11,2	6,5	G1½	G1	27,6
2CDX/I 200/50	1999500004I	1.497,00	5	3,7		-	71,5	70,1	67,0	64,3	61,2	57,5	15,1	8,7	G1½	G1	35,6

Liquid temperature up to 60°C for standard range  
 "SCA" version with drain plug available with a 5% increase on the price list.

L version - Three phase 230/400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	40	60	80	120	150	180	210	230V	400V			
					m³/h	2,4	3,6	4,8	7,2	9	10,8	12,6					
H=Total head [m]																	
2CDXL/I 70/10	1611108004I	712,00	1	0,75		35,3	31,5	27,0	-	-	-	-	3,4	2	G1¼	G1	12,6
2CDXL/I 70/12	1611128004I	765,00	1,2	0,9		40,3	35,5	30,0	-	-	-	-	4,3	2,5	G1¼	G1	13,7
2CDXL/I 70/15	1611158004I	817,00	1,5	1,1		48,0	42,8	36,5	-	-	-	-	5,8	3,3	G1¼	G1	17,0
2CDXL/I 70/20	1611208004I	881,00	2	1,5		55,6	50,4	44,0	-	-	-	-	7,8	4,5	G1¼	G1	20,1
2CDXL/I 120/15	1621158004I	934,00	1,5	1,1		42,0	41,0	39,5	35,0	30,0	-	-	5,8	3,3	G1¼	G1	15,6
2CDXL/I 120/20	1621208004I	1.028,00	2	1,5		51,5	49,5	47,4	41,8	36,5	-	-	7,8	4,5	G1¼	G1	18,3
2CDXL/I 120/30	1989308004I	1.355,00	3	2,2		59,0	57,0	54,6	49,2	44,0	-	-	8,2	4,7	G1¼	G1	26,1
2CDXL/I 120/40	1989408004I	1.629,00	4	3		68,5	66,5	64,0	58,0	52,0	-	-	11,1	6,4	G1¼	G1	27,8
2CDXL/I 200/30	1999308004I	1.369,00	3	2,2		-	52,0	50,8	48,1	45,5	42,7	39,5	11,1	6,4	G1½	G1	26,6
2CDXL/I 200/40	1999408004I	1.641,00	4	3		-	62,5	61,1	58,0	55,2	52,3	49,0	11,2	6,5	G1½	G1	27,6
2CDXL/I 200/50	1999508004I	1.773,00	5	3,7		-	71,5	70,1	67,0	64,3	61,2	57,5	15,1	8,7	G1½	G1	35,6

Liquid temperature up to 60°C for standard range  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 AISI 316 single phase version available: please contact our sales network.

# DWC

## Closed impeller centrifugal pumps in AISI 304 stainless steel

Closed impeller centrifugal pumps in AISI 304 stainless steel particularly suitable for refrigeration, air-conditioning and heating systems, chillers, washing systems and for residential, commercial and industrial water supply.



Small dimensions



Sturdy hydraulic frame



Low noise

### Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/EPDM (standard)
Motor support	Aluminium

### Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-15°C ÷ +90°C for std, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG versions -15°C ÷ +110°C for H, HS, HW, HSW versions
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10%

### Accessories



#### Control panels

Page 364 - **Control panels**  
1EP-E - Smart - QT1



#### Insulation casing

Page 378 - **Insulation casing for DWC**

### Options

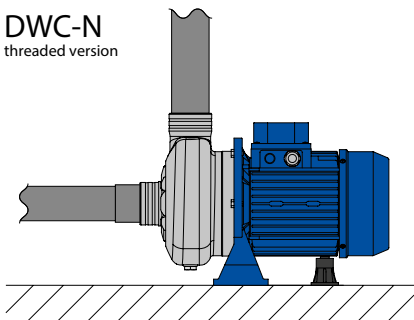


#### Mechanical seal

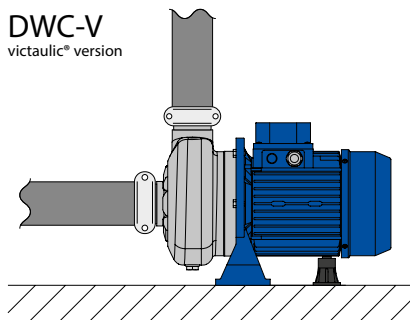
Page 389 - **H, HS, HW, HSW, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG**

### Installation

DWC-N  
threaded version



DWC-V  
victaulic® version

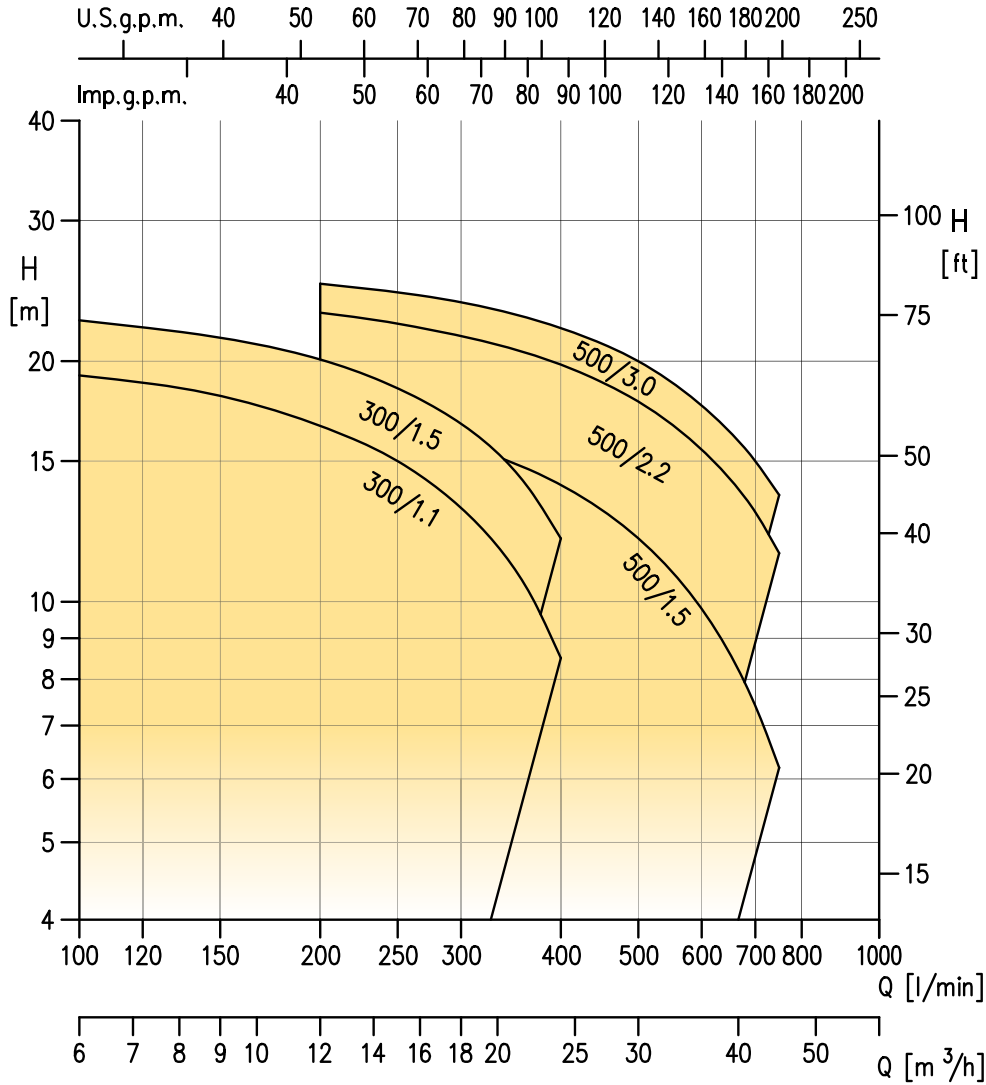


DWC centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.



# DWC

## Closed impeller centrifugal pumps in AISI 304 stainless steel



Three phase 230/400V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A]	DNA	DNM	Weight [kg]	
					l/min	150	200	350	500	600					700
					m³/h	9	12	21	30	36					42
H=Total head [m]															
DWC-V/I 300/1,1	2180070004I	1.012,00	1,5	1,1	18,1	16,6	11,0	-	-	-	5,8	3,3	G2	G2	15,4
DWC-V/I 300/1,5	2180080004I	1.067,00	2	1,5	21,4	20,1	14,6	-	-	-	6,6	3,8	G2	G2	16,9
DWC-N/I 300/1,1	2181070004I	1.002,00	1,5	1,1	18,1	16,6	11,0	-	-	-	5,8	3,3	G2	G2	15,4
DWC-N/I 300/1,5	2181080004I	1.059,00	2	1,5	21,4	20,1	14,6	-	-	-	6,6	3,8	G2	G2	16,9
DWC-V/I 500/1,5	2190080004I	1.038,00	2	1,5	-	-	14,9	12,0	9,8	7,4	6,6	3,8	G2	G2	17,4
DWC-V/I 500/2,2	2190100004I	1.113,00	3	2,2	-	-	20,7	17,8	15,5	13,0	8,2	4,7	G2	G2	20,3
DWC-V/I 500/3,0	2190110004I	1.189,00	4	3	-	-	22,9	20,0	17,6	15,0	11,1	6,4	G2	G2	22,3
DWC-N/I 500/1,5	2191080004I	1.029,00	2	1,5	-	-	14,9	12,0	9,8	7,4	6,6	3,8	G2	G2	17,4
DWC-N/I 500/2,2	2191100004I	1.102,00	3	2,2	-	-	20,7	17,8	15,5	13,0	8,2	4,7	G2	G2	20,3
DWC-N/I 500/3,0	2191110004I	1.188,00	4	3	-	-	22,9	20,0	17,6	15,0	11,1	6,4	G2	G2	22,3

"V" version (Victaulic connections) is supplied with insulation casing.

# CMA - B - C - D



## Single impeller centrifugal pumps in cast iron

Cast iron single-impeller centrifugal pumps suitable for domestic water system boosting, small-scale irrigation, handling non-aggressive liquids for residential, commercial and industrial use, washing systems and vehicle washing.



Available with brass impeller

## Technical data

Max. working pressure	6 bar for	CMA 0.50-0.75-1.00 CMB 0.75-1.00-1.50-2.00-3.00 CMC, CMD
	8 bar for	CMA 1.50-2.00-3.00 CMB 4.00-5.50
Max. temperature of the liquid	40°C for	CMA 0.50-0.75-1.00
	90°C for	the rest of the range
MEI	> 0,4	
Poles	2	
Insulation class	F	
Protection degree	IP44	
Voltage	Single phase	230V ±10%
	Three phase	230/400V ±10%

## Materials

Pump body	Cast iron
Impeller	- in PPE+PS reinforced with fibreglass for CMA 0.50-0.75-1.00
	- in brass for CMA 1.50-2.00-3.00 CMB 2.00-3.00-4.00-5.50
	- in cast iron for CMB 0.75-1.00-1.50, CMC, CMD
Shaft	- in AISI 416 (integral) for CMA 0.50
	- in AISI 303 (part in contact with the liquid) for CMA 0.75-1.00-1.50-2.00-3.00 CMB 0.75-1.00-1.50-2.00-3.00 CMC 0.75-1.00, CMD 1.50-2.00-3.00
	- in AISI 304 (part in contact with the liquid) for CMB 4.00-5.50
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	- in aluminium for CMA 0.50-0.75-1.00 CMB 0.75-1.00 CMC 0.75-1.00
	- in cast iron for the rest of the range

## Accessories



### Tanks

Page 382 - **8/10 bar 5/10 litres tanks**



### Pressure switches

Page 377 - **1,3÷12 bar pressure switches**



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart

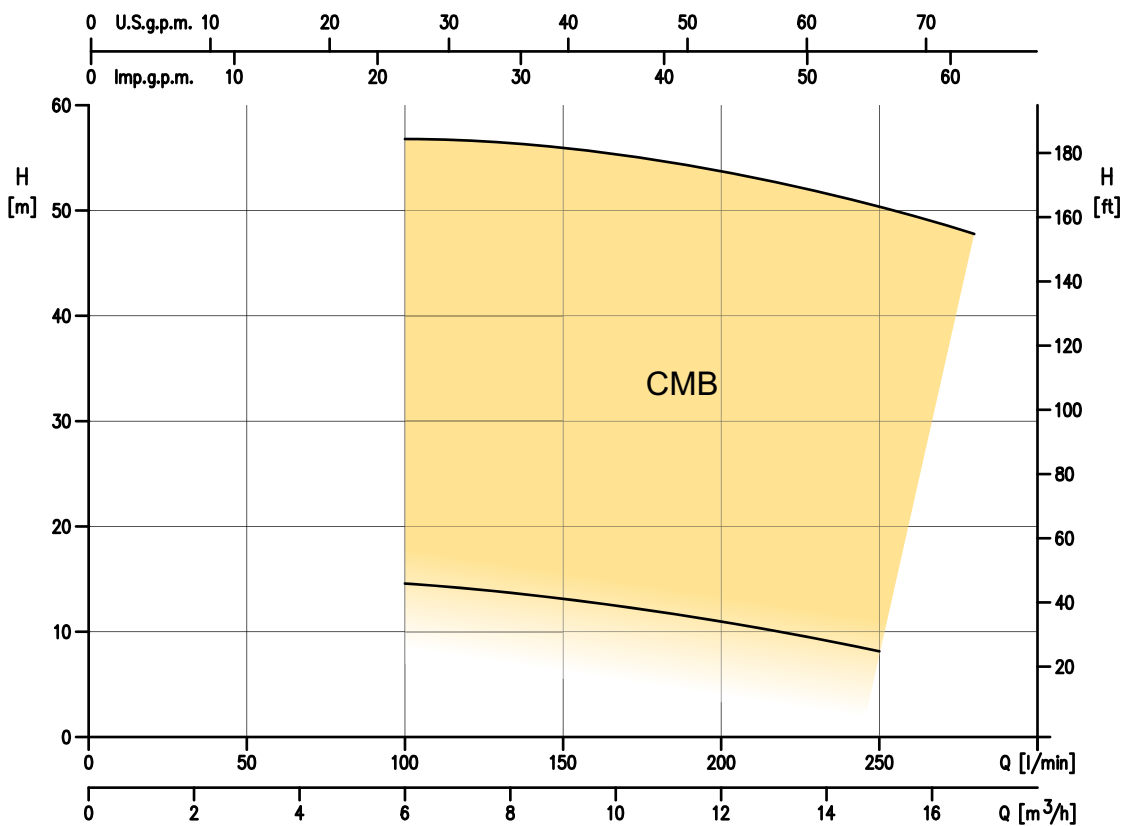
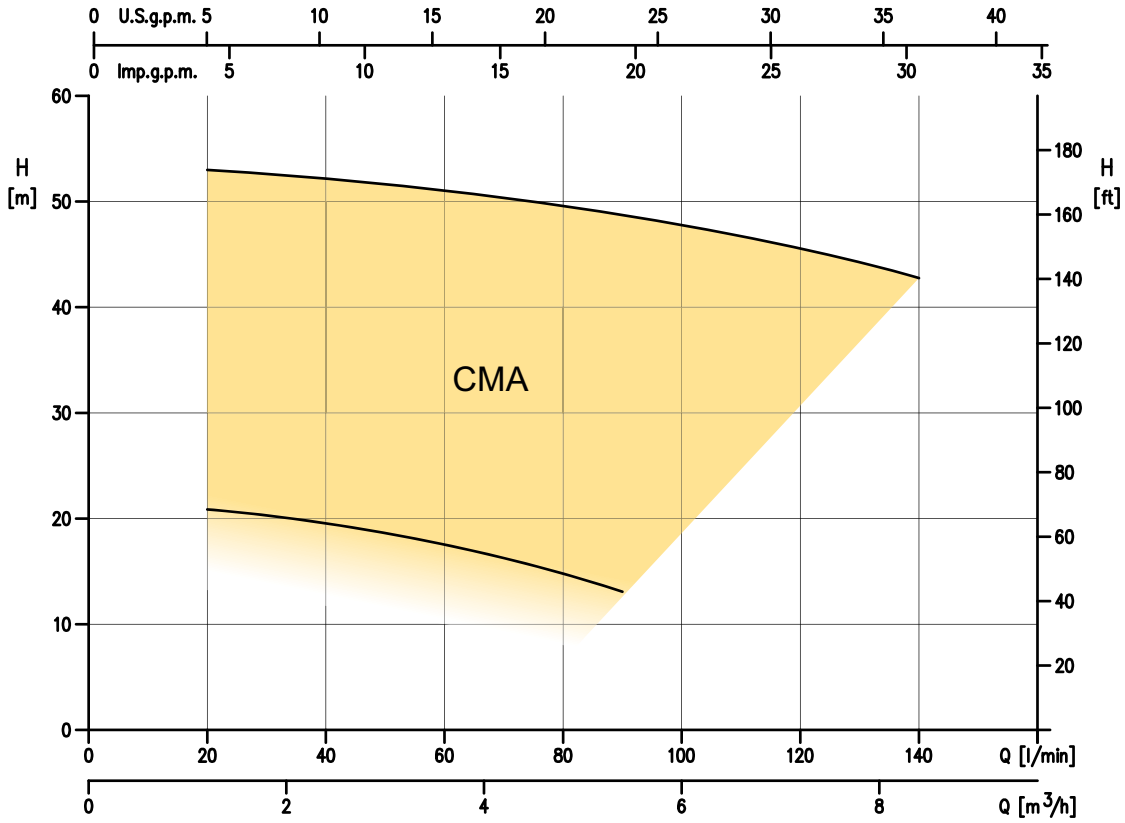


### Floats

Page 377 - **5/10 m key floats with counterweight**

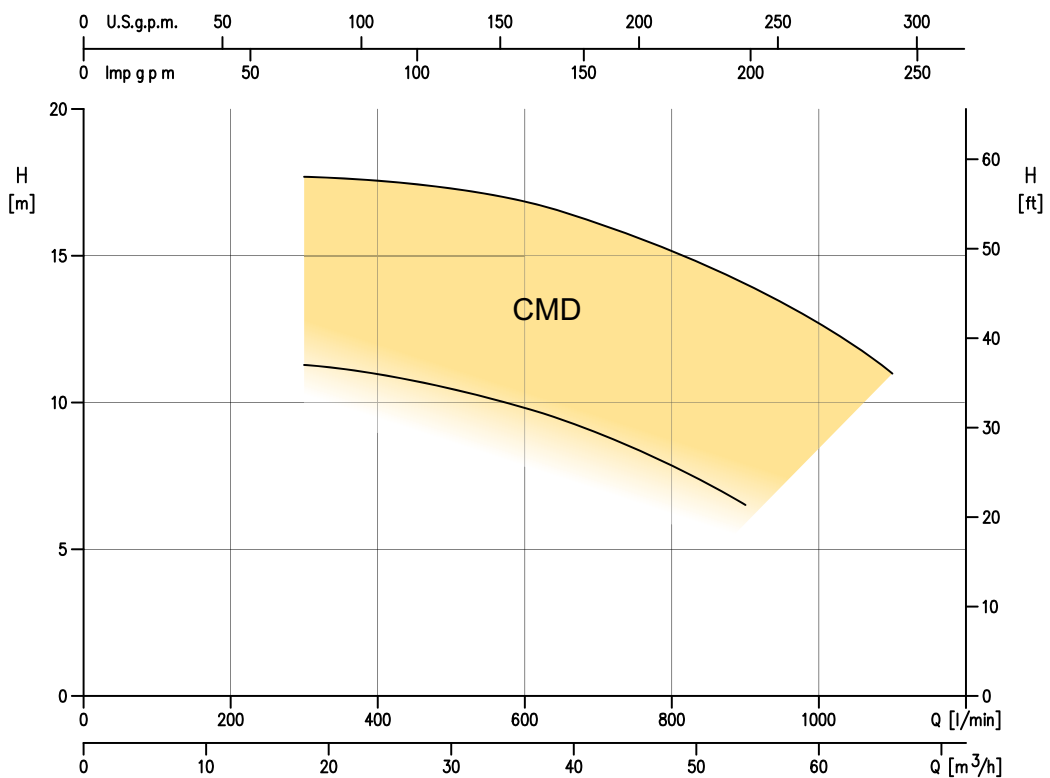
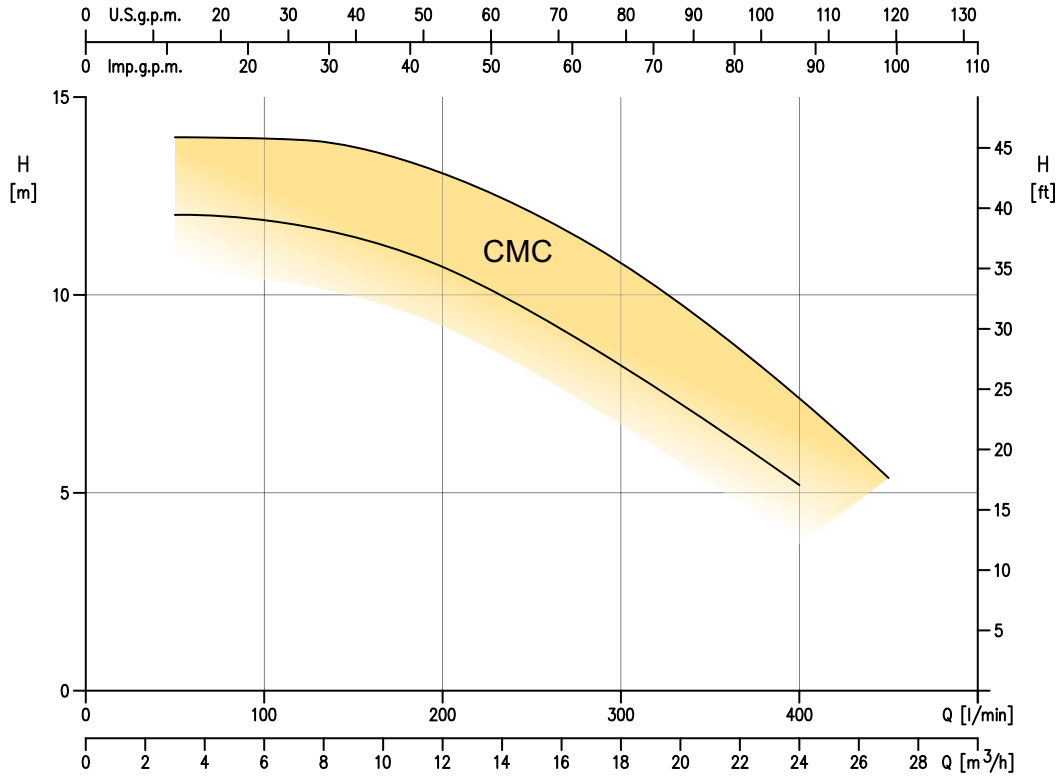
# CMA - B - C - D

Single impeller centrifugal pumps in cast iron



# CMA - B - C - D

Single impeller centrifugal pumps in cast iron

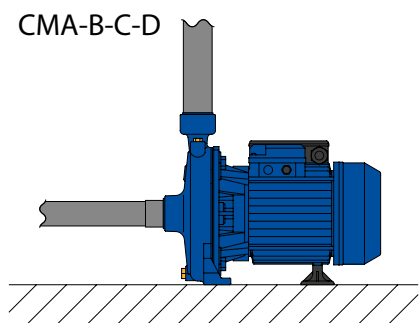


# CMA - B - C - D

Single impeller centrifugal pumps in cast iron



## Installation



CM series centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

Single phase 230V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
					l/min	20	40	60	80	85	90	110					120
					m <sup>3</sup> /h	1,2	2,4	3,6	4,8	5,1	5,4	6,6	7,2				
					H=Total head [m]												
CMA 0,50 M	1160050000	238,00	0,5	0,37	20,9	19,5	17,6	14,9	14,0	13,1	-	-	3,2	G1	G1	7,2	
CMA 0,50 M GO	1160050100	286,00	0,5	0,37	20,9	19,5	17,6	14,9	14,0	13,1	-	-	3,2	G1	G1	7,2	
CMA/A 0,75 M	1160090000A	314,00	0,75	0,55	29,7	27,8	24,9	21,1	20,2	-	-	-	4,7	G1	G1	10,3	
CMA/A 0,75 M GO	1160090100A	362,00	0,75	0,55	29,7	27,8	24,9	21,1	20,2	-	-	-	4,7	G1	G1	10,3	
CMA 1,00 M	1160100000	306,00	1	0,75	33,0	31,9	29,9	26,6	25,6	24,6	-	-	6,2	G1	G1	11,5	
CMA 1,00 M GO	1160100100	361,00	1	0,75	33,0	31,9	29,9	26,6	25,6	24,6	-	-	6,2	G1	G1	11,5	
CMA/B 1,50 M	1160150000B	532,00	1,5	1,1	39,5	39,0	38,3	37,0	36,5	36,1	34,5	-	8	G1¼	G1	19,5	
CMA/A 2,00 M	1160200000A	621,00	2	1,5	47,5	47,0	46,0	45,0	45,0	44,5	43,0	42,0	10,3	G1¼	G1	22,8	

GO= Version with brass impeller

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate					Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]		
					l/min	100	150	200	250					280	
					m <sup>3</sup> /h	6	9	12	15,1	16,9					
					H=Total head [m]										
CMB 0,75 M	1170090000	386,00	0,75	0,55	14,6	13,2	10,9	81,0	-	4,5	G2	G1¼	11,6		
CMB 1,00 M	1170100000	407,00	1	0,75	18,6	17,5	15,7	13,1	-	6	G2	G1¼	13,7		
CMB/B 1,50 M	1170150000B	532,00	1,5	1,1	22,5	21,6	20,0	17,8	16,2	8,2	G2	G1¼	19,9		
CMB/A 2,00 M	1170200000A	621,00	2	1,5	30,8	29,7	28,0	25,4	23,6	10,3	G2	G1¼	21,0		

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	50	100	200	300	400	450				
					m <sup>3</sup> /h	3	6	12	18,1	24,1	27,1				
					H=Total head [m]										
CMC 0,75 M	1180090000	366,00	0,75	0,55	12,0	11,9	10,7	8,3	5,2	-	4,2	G2	G2	11,6	
CMC 1,00 M	1180100000	423,00	1	0,75	14,0	14,0	13,1	10,8	7,4	5,4	5,3	G2	G2	13,0	

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	250	400	600	800	900	950	1000				
					m <sup>3</sup> /h	18	24	36	48	54	57	60				
					H=Total head [m]											
CMD/B 1,50 M	1190150000B	592,00	1,5	1,1	11,3	11,0	9,8	7,8	6,5	-	-	8,5	G2½	G2½	21,3	
CMD/A 2,00 M	1190200000A	627,00	2	1,5	13,1	12,9	12,0	10,2	9,0	8,4	-	10,3	G2½	G2½	23,0	

# CMA - B - C - D

Single impeller centrifugal pumps in cast iron



Three phase 230/400V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]	DNA	DNM	Weight [kg]	
					l/min	20	40	60	80	85	90	110					120
					m <sup>3</sup> /h	1,2	2,4	3,6	4,8	5,1	5,4	6,6					7,2
H=Total head [m]																	
CMA 0,50 T	1160050004	<b>238,00</b>	0,5	0,37	20,9	19,5	17,6	14,9	14,0	13,1	-	-	2,4	1,4	G1	G1	7,1
CMA 0,50 T GO	1160050104	<b>286,00</b>	0,5	0,37	20,9	19,5	17,6	14,9	14,0	13,1	-	-	2,4	1,4	G1	G1	7,1
CMA/A 0,75 T	1160090004A	<b>314,00</b>	0,75	0,55	29,7	27,8	24,9	21,1	20,2	-	-	-	3,2	1,8	G1	G1	10,2
CMA/A 0,75 T GO	1160090104A	<b>362,00</b>	0,75	0,55	29,7	27,8	24,9	21,1	20,2	-	-	-	3,2	1,8	G1	G1	10,2
CMA/I 1,00 T	1160100004I	<b>344,00</b>	1	0,75	33,0	31,9	29,9	26,6	25,6	24,6	-	-	3,3	1,9	G1	G1	11,6
CMA/I 1,00 T GO	1160100104I	<b>372,00</b>	1	0,75	33,0	31,9	29,9	26,6	25,6	24,6	-	-	3,3	1,9	G1	G1	11,6
CMA/I 1,50 T	1160150004I	<b>564,00</b>	1,5	1,1	39,5	39,0	38,3	37,0	36,5	36,1	34,5	-	3,3	1,9	G1½	G1	20,8
CMA/I 2,00 T	1160200004I	<b>691,00</b>	2	1,5	47,5	47,0	46,0	45,0	45,0	44,5	43,0	42,0	5,8	3,3	G1½	G1	24,3
CMA/I 3,00 T	1160300004I	<b>714,00</b>	3	2,2	53,0	52,5	51,0	49,5	49,0	49,0	46,5	45,5	7,6	4,4	G1½	G1	24,3

GO= Version with brass impeller

Three phase 230/400V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A]	DNA	DNM	Weight [kg]			
					l/min	100	150	200	250	280							
					m <sup>3</sup> /h	6	9	12	15,1	16,9							
H=Total head [m]																	
CMB 0,75 T	1170090004	<b>386,00</b>	0,75	0,55	14,6	13,2	10,9	8,1	8,1	-	-	8,5	4,9	G2	G1½	11,6	
CMB/I 1,00 T	1170100004I	<b>433,00</b>	1	0,75	18,6	17,5	15,7	13,1	13,1	-	-	3,0	1,7	G2	G1½	13,7	
CMB/I 1,50 T	1170150004I	<b>564,00</b>	1,5	1,1	22,5	21,6	20,0	17,8	17,8	16,2	-	-	3,5	2,0	G2	G1½	20,4
CMB/I 2,00 T	1170200004I	<b>691,00</b>	2	1,5	30,8	29,7	28,0	25,4	25,4	23,6	-	-	5,8	3,3	G2	G1½	22,9
CMB/I 3,00 T	1170300004I	<b>742,00</b>	3	2,2	35,4	34,4	32,7	30,2	30,2	28,5	-	-	7,1	4,1	G2	G1½	22,2
CMB/I 4,00 T	1170400004I	<b>942,00</b>	4	3	45,5	44,0	42,0	37,8	37,8	36,2	-	-	8,2	4,7	G2	G1½	37,7
CMB/I 5,50 T	1170550004I	<b>1.099,00</b>	5,5	4	57,0	56,0	53,5	50,5	50,5	48,0	-	-	15,6	9	G2	G1½	43,4

Three phase 230/400V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A]	DNA	DNM	Weight [kg]		
					l/min	50	100	200	300	400	450						
					m <sup>3</sup> /h	3	6	12	18,1	24,1	27,1						
H=Total head [m]																	
CMC 0,75 T	1180090004	<b>386,00</b>	0,75	0,55	12,0	11,9	10,7	8,3	8,3	5,2	-	-	2,8	1,6	G2	G2	11,6
CMC/I 1,00 T	1180100004I	<b>449,00</b>	1	0,75	14,0	14,0	13,1	10,8	10,8	7,4	5,4	-	3,0	1,7	G2	G2	13,8

Three phase 230/400V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]	DNA	DNM	Weight [kg]	
					l/min	250	400	600	800	900	950	1000					
					m <sup>3</sup> /h	18	24	36	48	54	57	60					
H=Total head [m]																	
CMD/I 1,50 T	1190150004I	<b>627,00</b>	1,5	1,1	11,3	11,0	9,8	7,8	6,5	-	-	-	5,8	3,3	G2½	G2½	23,1
CMD/I 2,00 T	1190200004I	<b>664,00</b>	2	1,5	13,1	12,9	12,0	10,2	9,0	8,4	-	-	7,1	4,1	G2½	G2½	24,2
CMD/I 3,00 T	1190300004I	<b>779,00</b>	3	2,2	16,1	15,8	15,0	13,1	11,9	11,2	10,4	-	8,2	4,7	G2½	G2½	23,9

# CDA

## Twin impeller centrifugal pumps in cast iron

Cast iron twin impeller centrifugal pumps suitable for domestic water system boosting, small-scale irrigation, handling non-aggressive liquids for residential, commercial and industrial use, washing systems and vehicle washing. They can be installed in complex machinery for industrial use.

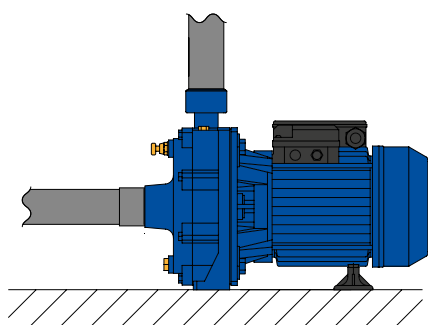


Available with brass impeller

### Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	- in PPE+PS reinforced with fibreglass for CDA 0.75 - 1.00, - in brass for the rest of the range
<b>Shaft</b>	- in AISI 303 for CDA 0.75 - 1.00 - 1.50 - 2.00 - 3.00, - in AISI 304 for CDA 4.00 - 5.50
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	- in aluminium for CDA 0.75 - 1.00 - in cast iron for the rest of the range

### Installation



CDA centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

### Technical data

<b>Max. working pressure</b>	6 bar for CDA 0.75-1.00 10 bar for the rest of the range
<b>Max. temperature of the liquid</b>	40°C for CDA 0.75-1.00, 90°C for the rest of the range
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10%

### Accessories



**Tanks**  
Page 382 - 8/10 bar 5/10 litres tanks



**Pressure switches**  
Page 377 - 1,3÷12 bar pressure switches



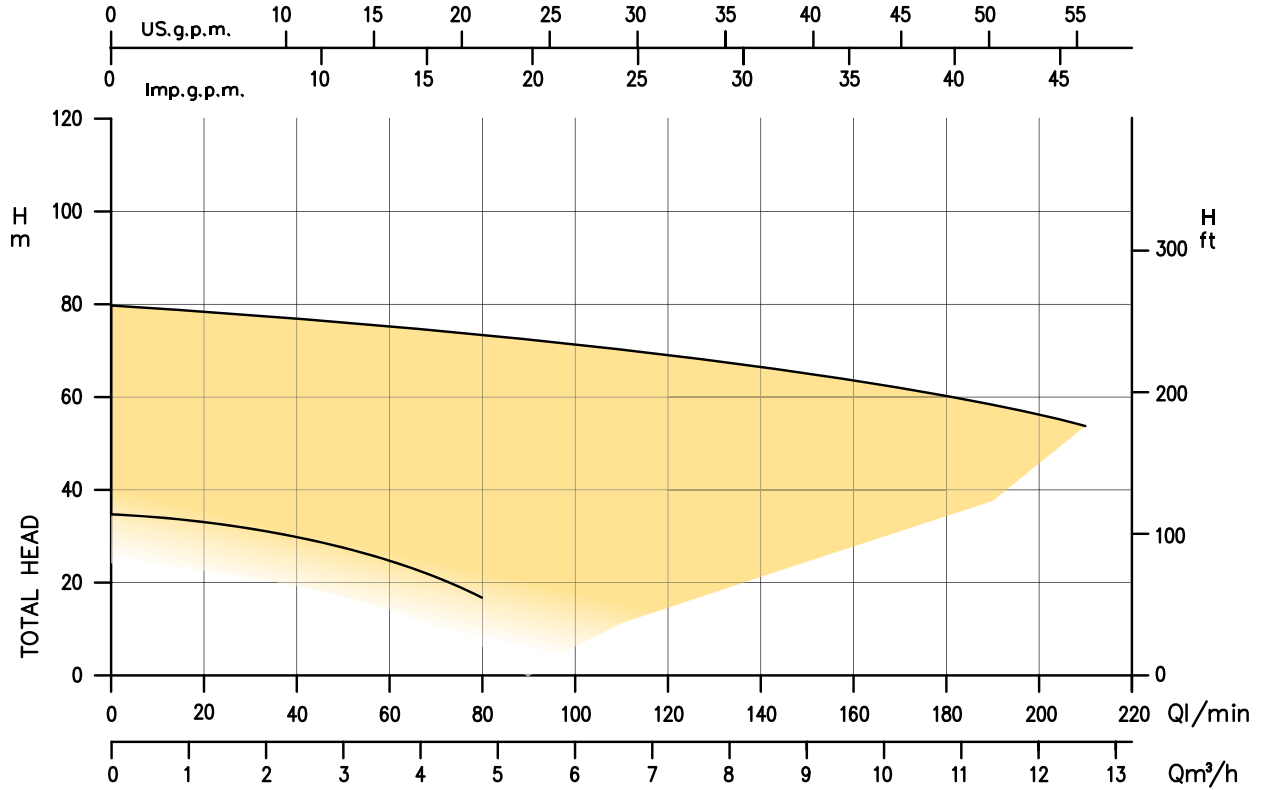
**Control panels and Control systems**  
Page 363 - **Presscomfort/Servopress**  
Pressure regulator  
Page 362 - **E-power**  
Variable speed control systems  
Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
1EP-E - QA50/B - QA60/C - Smart



**Floats**  
Page 377 - 5/10 m key floats with counterweight

# CDA

## Twin impeller centrifugal pumps in cast iron



### Single phase 230V

### 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min m³/h	20 1,2	40 2,4	50 3	80 4,8	90 5,4	100 6	110 6,6				
H=Total head [m]																
CDA/A 0.75 M	1210090000A	386,00	0,75	0,55	33,0	30,2	27,9	17,0	-	-	-	5	G1	G1	13,8	
CDA/A 0.75 M GO	1210090100A	457,00	0,75	0,55	33,0	30,2	27,9	17,0	-	-	-	5	G1	G1	13,8	
CDA 1.00 M	12101000000	410,00	1	0,75	39,5	37,0	35,2	27,0	21,0	-	-	6,1	G1	G1	15,0	
CDA 1.00 M GO	1210100100	479,00	1	0,75	39,5	37,0	35,2	27,0	21,0	-	-	6,1	G1	G1	15,0	
CDA/B 1.50 M	1210150000B	602,00	1,5	1,1	50,8	48,8	47,1	38,4	33,4	27,5	-	8,6	G1¼	G1	24,2	
CDA/A 2.00 M	1210200000A	666,00	2	1,5	60,5	58,6	56,9	49,8	46,5	40,3	32,5	10,8	G1¼	G1	26,0	

GO= Version with brass impeller

### Three phase 230/400V

### 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min m³/h	40 1,2	50 2,4	80 3	110 4,8	140 6,6	170 8,4	230V	400V				
H=Total head [m]																	
CDA/A 0.75 T	1210090004A	386,00	0,75	0,55	33,0	30,2	27,9	17,0	-	-	-	3,4	2,0	G1	G1	13,8	
CDA/I 1.00 T	1210100004I	402,00	1	0,75	39,5	37,0	35,2	27,0	-	-	-	3,3	1,9	G1	G1	15,0	
CDA/I 1.00 T GO	1210100104I	504,00	1	0,75	39,5	37,0	35,2	27,0	-	-	-	5,8	3,3	G1	G1	15,0	
CDA/I 1.50 T	1210150004I	640,00	1,5	1,1	50,8	48,8	47,1	38,4	-	-	-	5,8	3,3	G1¼	G1	25,8	
CDA/I 2.00 T	1210200004I	738,00	2	1,5	60,5	58,6	56,9	49,8	32,5	-	-	7,9	4,6	G1¼	G1	28	
CDA/I 3.00 T	1210300004I	835,00	3	2,2	-	60,5	59,3	54,1	44,6	32,0	-	8,5	4,9	G1¼	G1	26,7	
CDA/I 4.00 T	1210400004I	1.185,00	4	3	-	-	67,0	64,8	62,0	58,0	53,5	11,7	6,8	G1½	G1¼	46,8	
CDA/I 5.50 T	1210550004I	1.254,00	5,5	4	-	-	76,5	73,9	70,5	66,8	62,0	15,1	8,7	G1½	G1¼	52	

GO= Version with brass impeller



# PRA - PRN

## Peripheral pumps in cast iron

Cast iron motor-driven peripheral pumps particularly suitable for domestic uses, supplying boilers, pressure vessel units etc.



Nickel-plated version available



Lightweight and easy to transport



Practical and easy to use

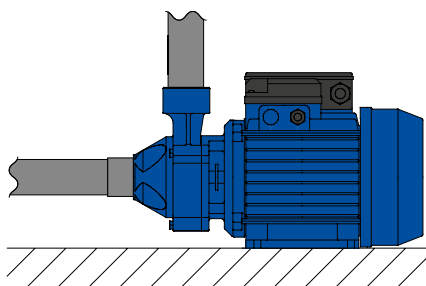


Low noise

## Materials

Pump body	Cast iron
Impeller	Brass
Shaft	AVZ for PRA 0.50 AISI 303 for the rest of the range
Mechanical seal	Carbon/Ceramic/NBR (standard)
Motor support	Cast iron

## Installation



PRA centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

## Technical data

Max. working pressure	6 bar PRA/PRN 0.50 7,5 bar PRA 0.80 12 bar for the rest of the range
Max. temperature of the liquid	80°C
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



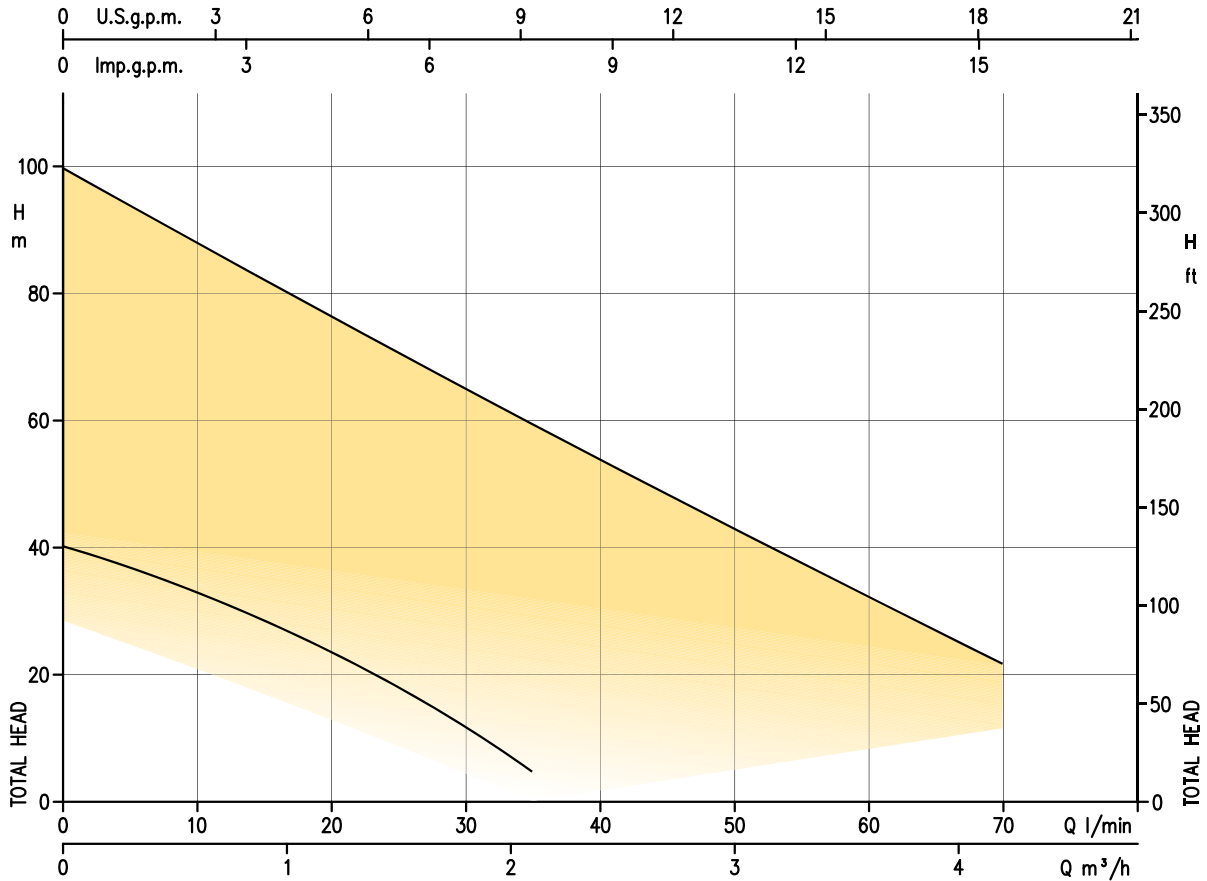
**Floats**  
Page 377 - 5/10 m key floats with counterweight



**Control panels**  
Page 364 - Control panels QA50/B, QA60/C

# PRA - PRN

Peripheral pumps in cast iron



Single phase 230V										2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]	DNA	DNM	Weight [kg]
					l/min	5	10	15	20	35	50	65				
					H=Total head [m]								230V			
PRA 0,50 M	1150050000	185,00	0,5	0,37	37,0	33,3	28,7	23,7	5,0	-	-	2,6	G1	G1	5,6	
PRA 0,80 M	1150080000	284,00	0,8	0,6	56,0	50,7	45,1	39,8	25,0	12,0	-	4,9	G1	G1	9,2	
PRA 1,00 M	1150100000	315,00	1	0,75	62,0	54,4	47,0	40,4	24,3	13,0	-	5,6	G1	G1	9,7	
PRA/B 1,50 M	1150150000B	458,00	1,5	1,1	-	81,0	76,9	71,9	55,8	37,9	18,0	10	G1	G1	14,5	
PRA/A 2,00 M	1150200000A	556,00	2	1,5	-	88,0	82,9	77,0	59,8	43,3	27,4	10,9	G1	G1	15,8	
PRN 0,50 M *	1150050100	217,00	0,5	0,37	37,0	33,3	28,7	23,7	5,0	-	-	2,6	G1	G1	5,6	

\* Nickel-plated version

Three phase 230/400V										2 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	5	10	15	20	35	50	65	230V	400V			
					H=Total head [m]												
PRA 0,50 T	1150050004	185,00	0,5	0,37	37,0	33,3	28,7	23,7	5,0	-	-	1,7	1	G1	G1	5,6	
PRA 0,80 T	1150080004	293,00	0,8	0,6	56,0	50,7	45,1	39,8	25,0	12,0	-	3,6	2,1	G1	G1	9,2	
PRA/I 1,00 T	1150100004I	335,00	1	0,75	62,0	54,4	47,0	40,4	24,3	13,0	-	3	1,7	G1	G1	10,5	
PRA/I 1,50 T	1150150004I	461,00	1,5	1,1	-	81,0	76,9	71,9	55,8	37,9	18,0	5,8	3,3	G1	G1	16,4	
PRA/I 2,00 T	1150200004I	498,00	2	1,5	-	88,0	82,9	77,0	59,8	43,3	27,4	6,6	3,8	G1	G1	17,3	

# DWO



## Open impeller centrifugal pumps in AISI 304 stainless steel

Open-impeller centrifugal pumps. DWO pumps are particularly suitable for washing vegetables, meat, fish, shellfish. Suitable for industrial end of cycle washing systems, washing and surface finishing systems for metal parts, cans, washing systems for bottles, jars, glass containers, crates, baskets etc. Dishwashers, glasswashers, cup washers for communities, hospitals etc., spray booths, and handling, removal and transfer of liquids, including liquids containing solids.



Small dimensions



Sturdy hydraulic frame



Low noise

## Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium

## Open impeller



## Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-5°C ÷ +90°C for std, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG versions -5°C ÷ +110°C for H, HS, HW, HSW versions
Max. solids passage size	19 mm
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



### Control panels

Page 364 - **Control panels**  
1EP-E - QA50/B - QA60/C - Smart

## Options



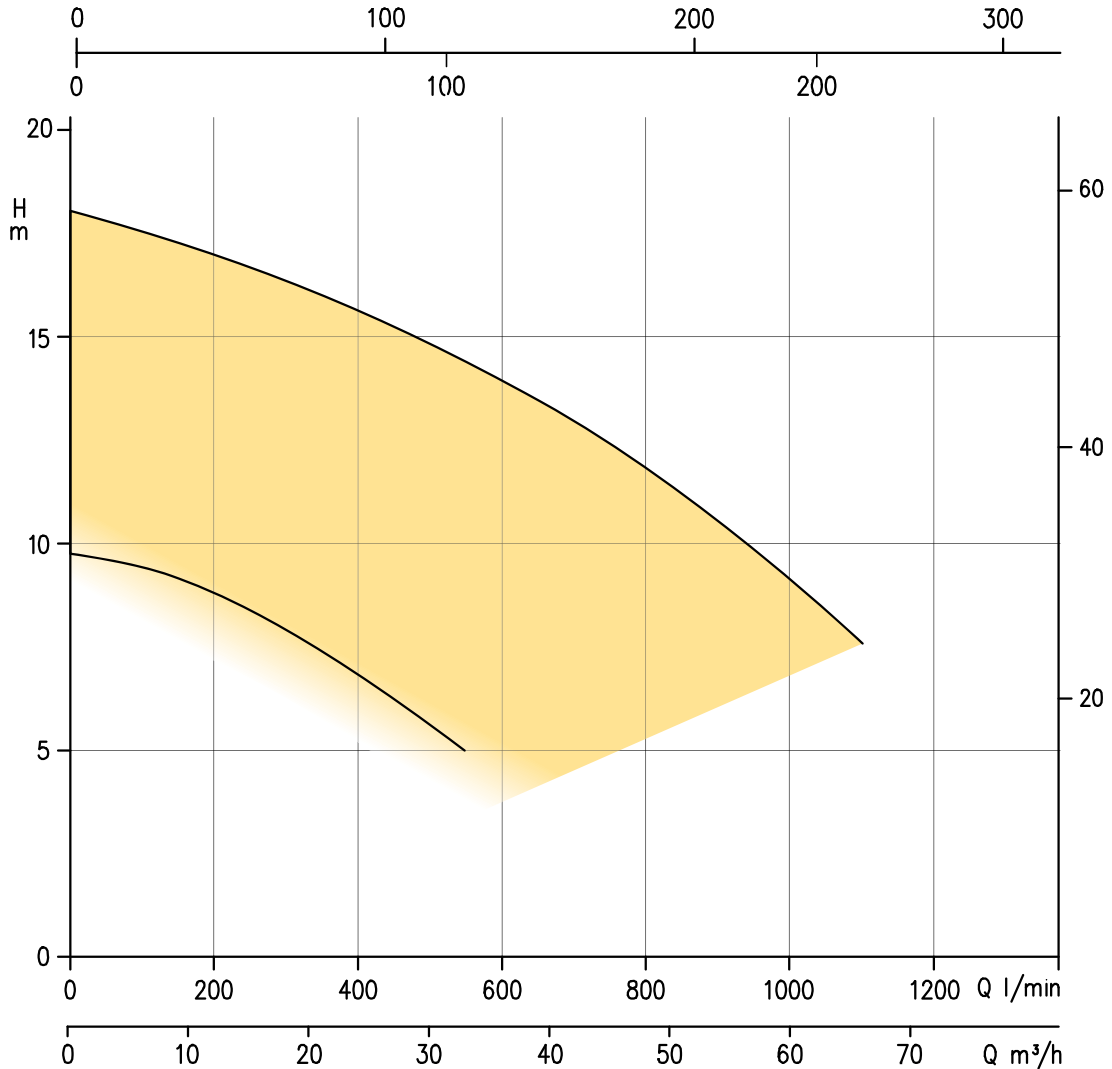
### Mechanical seal

Page 389 - H, HS, HW, HSW, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG

# DWO



Open impeller centrifugal pumps in AISI 304 stainless steel



## Single phase 230V

**2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
					I/min	100	200	300	400	550	750					
					m³/h	6	12	18	24	33	42					
					H=Total head [m]											
DWO/A 150 M	1579070000A	388,00	1,5	1,1	9,5	8,9	7,9	6,9	5,1	-	6,8	G2	G2	14,4		
DWO 200 M	1579080000	761,00	2	1,5	12,7	12,3	11,5	10,5	8,6	5,8	9	G2	G2	15,7		

## Three phase 230/400V

**2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					I/min	200	300	400	550	750	950	1100	230V	400V			
					m³/h	12	18	24	33	42	57	66					
					H=Total head [m]												
DWO/I 150	1579070004I	718,00	1,5	1,1	8,9	7,9	6,9	5,1	-	-	-	5,8	3,3	G2	G2	15,4	
DWO/I 200	1579080004I	752,00	2	1,5	12,3	11,5	10,5	8,6	5,8	-	-	6,6	3,8	G2	G2	17,1	
DWO/I 300	1579100004I	813,00	3	2,2	14,5	13,8	12,9	11,7	9,7	7,5	-	8,2	4,7	G2½	G2	19,4	
DWO/I 400	1579110004I	970,00	4	3	16,9	16,3	15,6	14,3	12,4	9,8	7,6	11,1	6,4	G2½	G2	22,4	

# CMR



## Open impeller centrifugal pumps in cast iron

Cast iron single-impeller centrifugal pumps suitable for domestic water system boosting, small-scale irrigation, handling non-aggressive liquids for residential, commercial and industrial use, washing systems and vehicle washing. They can be installed in complex machinery for industrial use.



Available with brass impeller



Possibility to install in machinery for industrial use

### Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Brass
<b>Shaft</b>	in AISI 303 (part in contact with the liquid)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Aluminium

### Technical data

<b>Max. working pressure</b>	6 bar
<b>Max. temperature of the liquid</b>	90°C
<b>MEI</b>	> 0,4
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10%

### Accessories



**Tanks**  
Page 382 - 8/10 bar 5/10 litres tanks



**Pressure switches**  
Page 377 - 1,3÷12 bar pressure switches



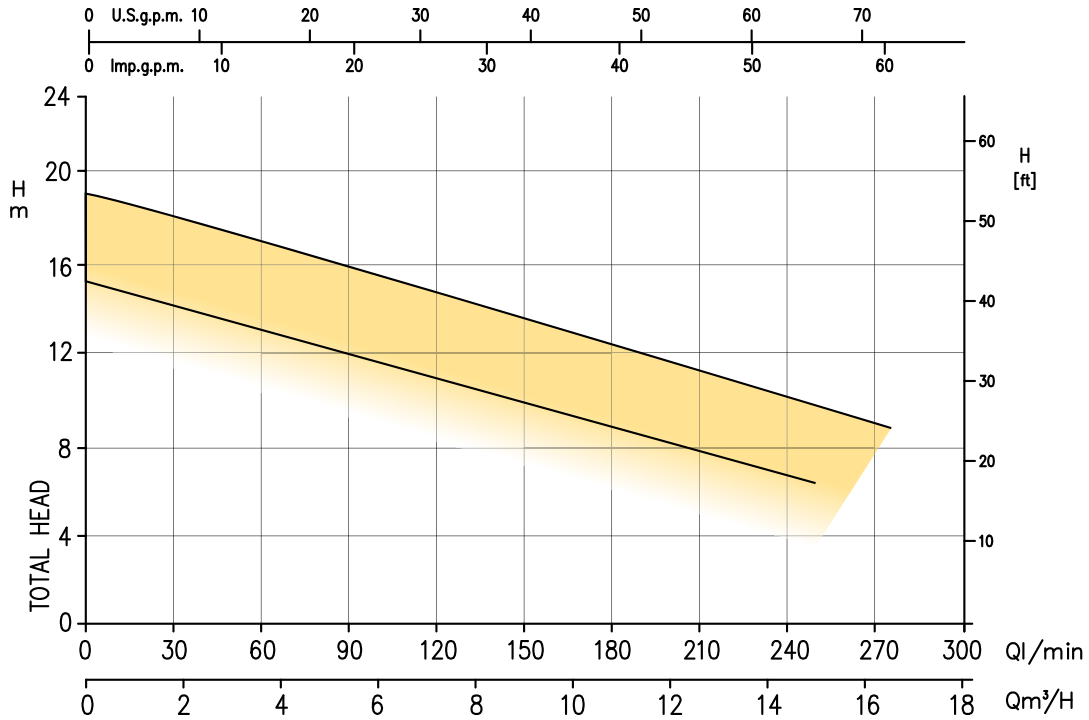
**Control panels and Control systems**  
Page 363 - **Presscomfort/Servopress**  
Pressure regulator  
Page 362 - **E-power**  
Variable speed control systems  
Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
1EP-E - QA50/B - QA60/C - Smart



**Floats**  
Page 377 - 5/10 m key floats with counterweight

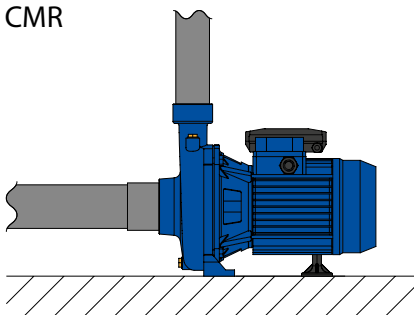
# CMR

Open impeller centrifugal pumps in cast iron



## Installation

CMR



CMR series centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

### Single phase 230V

2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate					Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
					l/min	50	100	200	250					275
					m³/h	3	6	12	15					17,5
					H=Total head [m]									
CMR 0,75 M	1200090000	388,00	0,75	0,55	13,6	11,4	8,1	6,3	-	3,8	G1½	G1½	10,7	
CMR 1,00 M	1200100000	375,00	1	0,75	17,3	15,4	11,5	9,6	8,7	4,85	G1½	G1½	11,9	

### Three phase 230/400V

2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate					Abs. Curr. [A] 230V/400V	DNA	DNM	Weight [kg]	
					l/min	50	100	200	250					275
					m³/h	3	6	12	15					17,5
					H=Total head [m]									
CMR 0,75 T	1200090004	349,00	0,75	0,55	13,6	11,4	8,1	6,3	-	2,8	1,6	G1½	G1½	10,7
CMR/I 1,00 T	1200100004I	397,00	1	0,75	17,3	15,4	11,5	9,6	8,7	3	1,7	G1½	G1½	12,7

# SWS - SWT



## Self priming pumps for swimming pool

Centrifugal self-priming electric pumps for pools. Filtration systems for private and public pools.



Motor protect from water inlet



Large-size incorporated pre-filter



Practical and easy to use

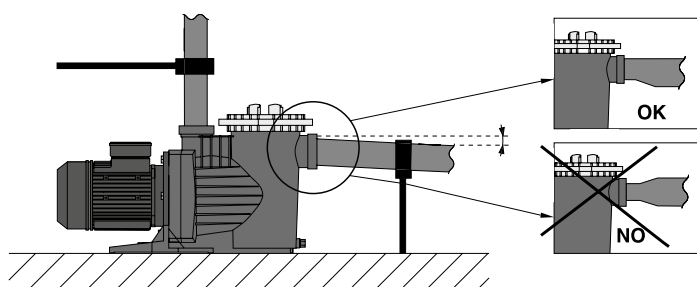


Easy maintenance

## Materials

Pump body	Polypropylene reinforced with fibreglass and resistant to chemical substances
Impeller	Noryl
Shaft	AISI 316
Mechanical seal	Graphite/ceramic
Pre-filter cover	Transparent polycarbonate

## Installation



## Technical data

Max. ambient temperature	+40°C
Max. temperature of the liquid	+40°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP55
Connections	SWS: - 1"½ female thread - connection for Ø50mm PVC pipe to be glued on SWT: - 2" female thread
Voltage	Single phase 230V Three phase 230/400V (SWT only)

## Accessories



**Floats**  
Page 377 - 5/10 m key floats with counterweight



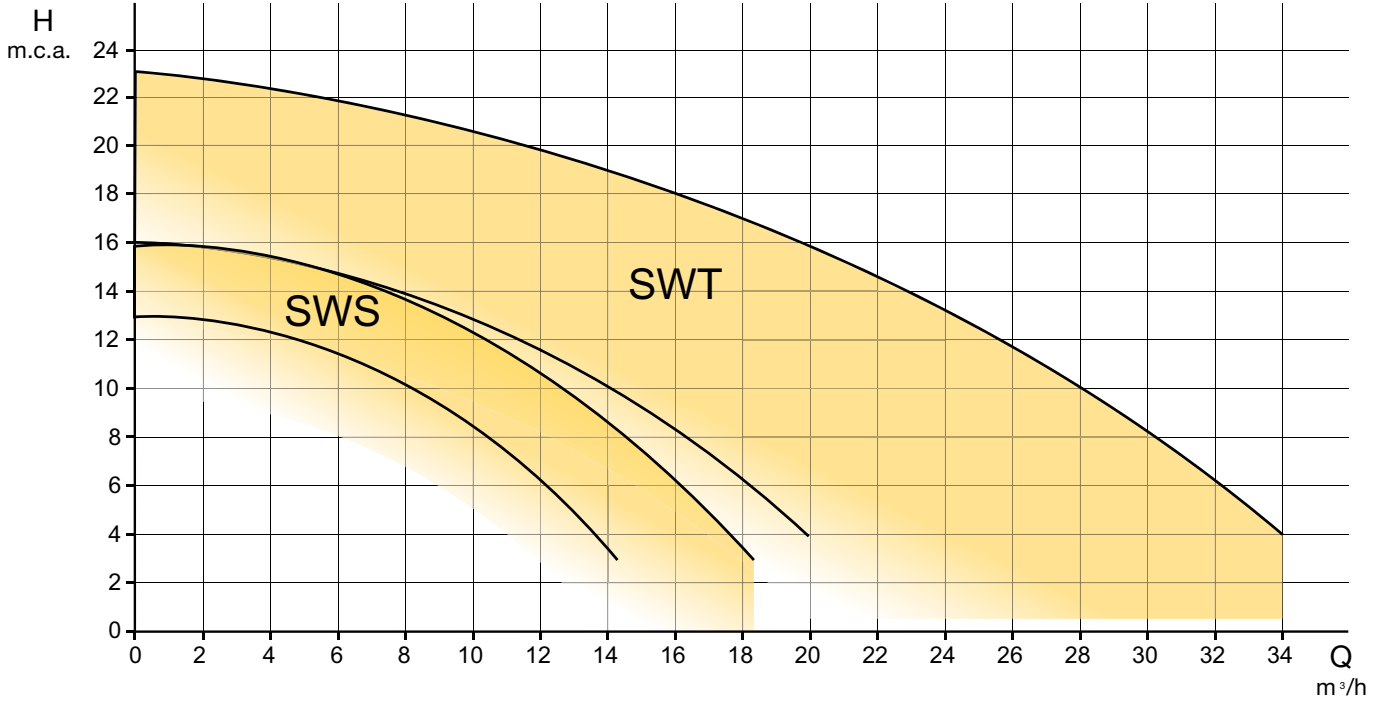
**Control panels and Control systems**  
Page 364 - **Control panels**  
1EP-E - QA50/B - QA60/C - Smart

SWS - SWT centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the swimming pools application, where a long - life working without a demanding maintenance is essential

# SWS - SWT



Self priming pumps for swimming pool



## Single phase 230V

2 Poles

Model	Code	£ Stg	HP	kW	H=Total head [m]								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					4	6	8	10	12	14	16	20				
SWS 50 M	1542002001	383,00	0,5	0,33	14,0	12,0	10,0	7,0	5,0	-	-	-	3,5	1"½	1"½	11,6
SWS 75 M	1542002002	395,00	0,75	0,55	16,0	15,0	12,5	10,0	8,0	4,2	-	-	4,3	1"½	1"½	12,6
SWS 100 M	1542002003	402,00	1	0,75	18,0	16,0	15,3	13,0	10,5	7,6	-	-	5,5	1"½	1"½	12,6
SWT 75 M	1542002004	454,00	0,75	0,55	19,5	18,0	15,7	13,5	10,8	7,9	-	-	4,75	2"	2"	13,0
SWT 100 M	1542002006	500,00	1	0,75	23,2	21,1	19,7	18,0	15,0	12,3	8,7	-	5,5	2"	2"	14,0
SWT 150 M	1542002008	543,00	1,5	1,1	27,0	25,0	23,0	21,0	19,0	17,0	14,0	-	7,3	2"	2"	17,0
SWT 200 M	1542002010	602,00	2	1,5	30,0	28,0	26,0	24,0	21,0	18,0	14,0	-	9,2	2"	2"	18,5
SWT 300 M	1542002012	745,00	3	2,2	34,0	32,0	30,0	29,0	27,0	23,0	20,0	12,0	12,2	2"	2"	22,0

## Three phase 230/400V

2 Poles

Model	Code	£ Stg	HP	kW	H=Total head [m]								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					4	6	8	10	12	14	16	20	230V	400V			
SWT 75	1542002005	454,00	0,75	0,55	19,5	18,0	15,7	13,5	10,8	7,9	-	-	3,1	1,8	2"	2"	12,5
SWT 100	1542002007I	500,00	1	0,75	23,2	21,1	19,7	18,0	15,0	12,3	8,7	-	3,8	2,2	2"	2"	14,0
SWT 150	1542002009I	543,00	1,5	1,1	27,0	25,0	23,0	21,0	19,0	17,0	14,0	-	5	2,9	2"	2"	15,5
SWT 200	1542002011I	602,00	2	1,5	30,0	28,0	26,0	24,0	21,0	18,0	14,0	-	6	3,5	2"	2"	17,0
SWT 300	1542002013I	745,00	3	2,2	34,0	32,0	30,0	29,0	27,0	23,0	20,0	12,0	8,6	5	2"	2"	19,0



# Single stage centrifugal pumps

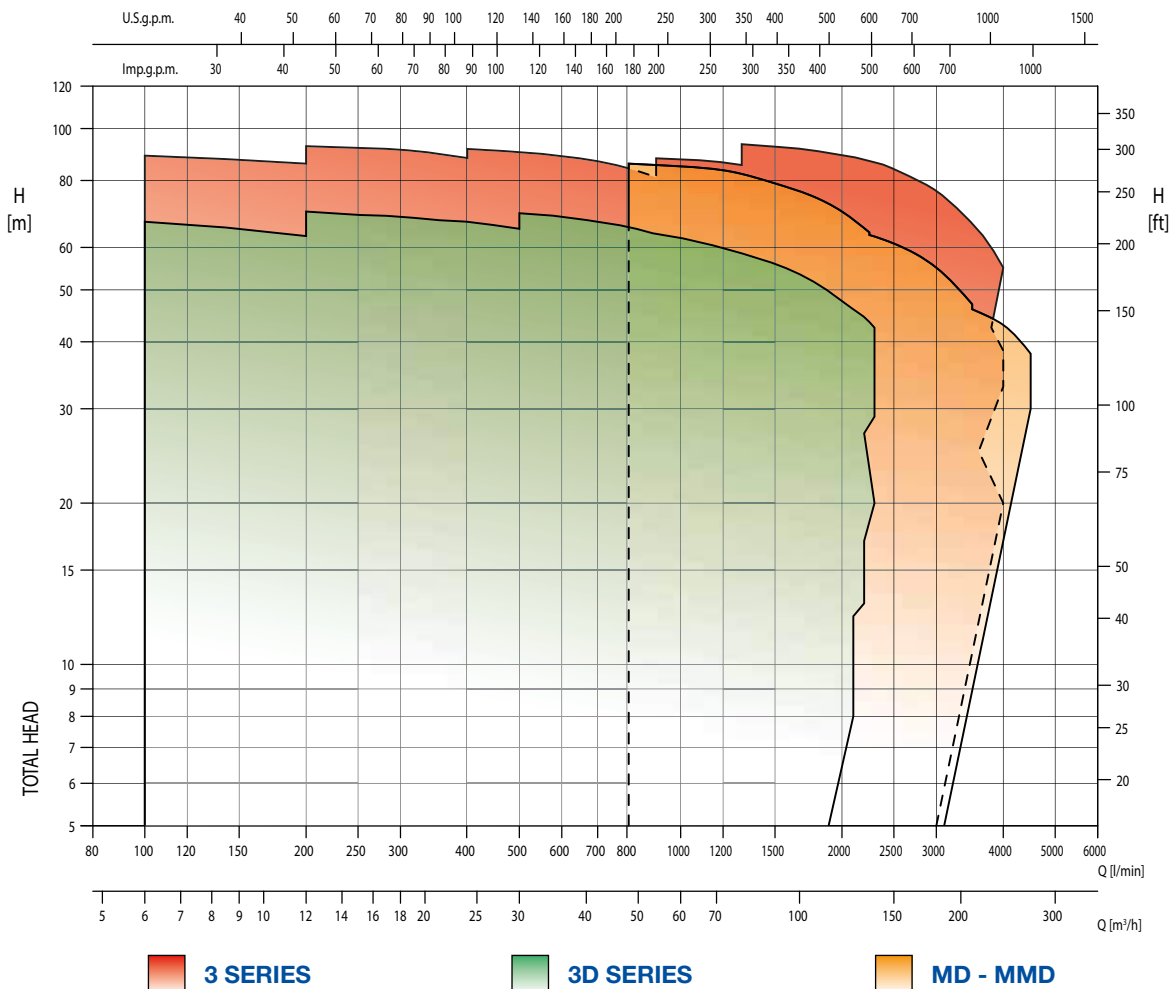
According to EN 733

Single stage centrifugal pumps

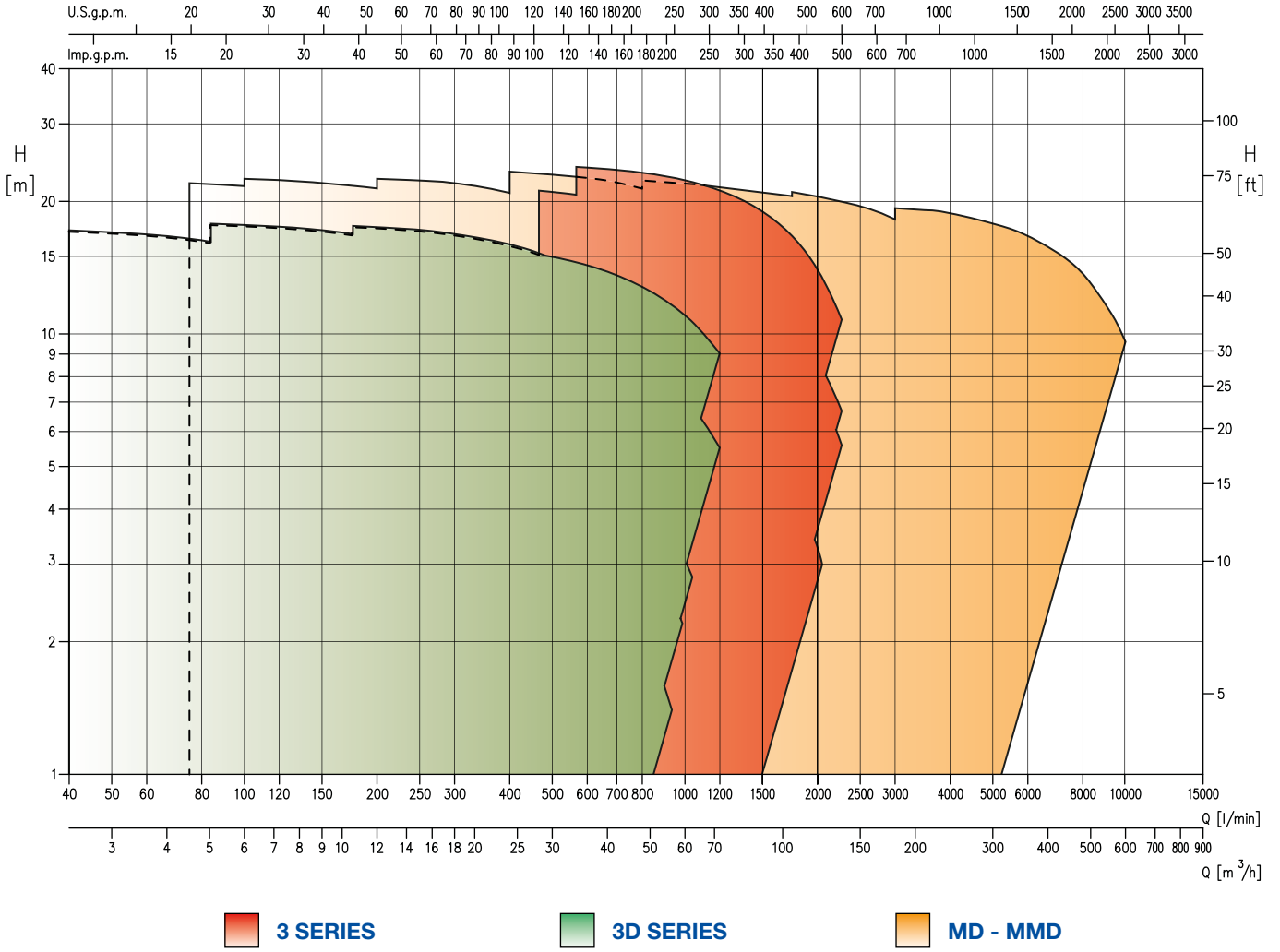
	Closed coupled motor connection 	With rigid coupling 	With flexible coupling 	Hydraulic only 
<b>AISI 304</b>	3M SERIES	3S SERIES	3P SERIES	3PF SERIES
<b>AISI 316L<sup>1</sup></b>	3LM SERIES	3LS SERIES	3LP SERIES	3LPF SERIES
<b>Cast iron</b>	3D SERIES	3DS SERIES	3DP SERIES	GS
	MD - MMD		GS	

<sup>1</sup> AISI 316 microcasted for 3L 65-250 80-160/200/250

## 2 POLES



### 4 POLES



	<b>3M SERIES</b>	<b>52</b>
	Pumps with closed coupled motor (extended shaft) in AISI 304	
	<b>3S SERIES</b>	<b>57</b>
	Pumps with IEC standard motor and rigid coupling (stub shaft) in AISI 304	
	<b>3P SERIES</b>	<b>61</b>
	Pumps on base with IEC standard motor and flexible coupling in AISI 304	
	<b>3PF SERIES</b>	<b>65</b>
	Pumps in AISI 304 (hydraulic only)	
	<b>3LM SERIES</b>	<b>67</b>
	Pumps with closed coupled motor (extended shaft) in AISI 316/AISI 316L	
	<b>3LS SERIES</b>	<b>72</b>
	Pumps with IEC standard motor and rigid coupling (stub shaft) in AISI 316/AISI 316L	
	<b>3LP SERIES</b>	<b>78</b>
	Pumps on base with IEC standard motor and flexible coupling in AISI 316/AISI 316L	
	<b>3LPF SERIES</b>	<b>84</b>
	Pumps in AISI 316/AISI 316L (hydraulic only)	
	<b>3D SERIES - MD/MMD</b>	<b>86</b>
	Pumps with closed coupled motor (extended shaft) in cast iron	
	<b>3DS SERIES</b>	<b>94</b>
	Pumps with IEC standard motor and rigid coupling (stub shaft) in cast iron	
	<b>3DP SERIES</b>	<b>98</b>
	Pumps on base with IEC standard motor and flexible coupling in cast iron	
	<b>GS Model</b>	<b>102</b>
	Standardised end suction pumps	

# 3M(4) SERIES



## Centrifugal pumps in AISI 304 with normalized motor

Standardized centrifugal pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available for 3ME version



Available in AISI 316



Sturdy construction



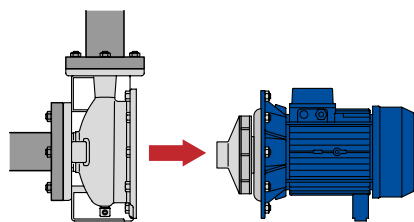
Volute obtained with hydro-forming process



High performances

## Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium - cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 360 - E-drive

Variable speed control systems

Page 364 - Control panels

1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

## Standard Motors

IEC Standard motor is used.

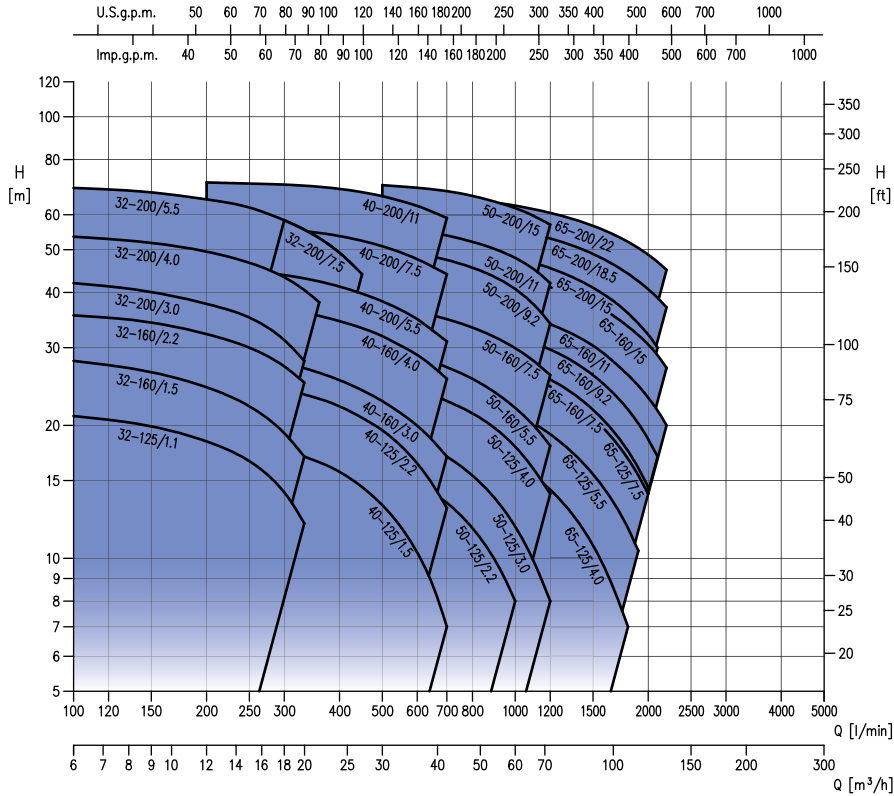
This makes easier to find a replacement motor, in case of necessity

# 3M(4) SERIES

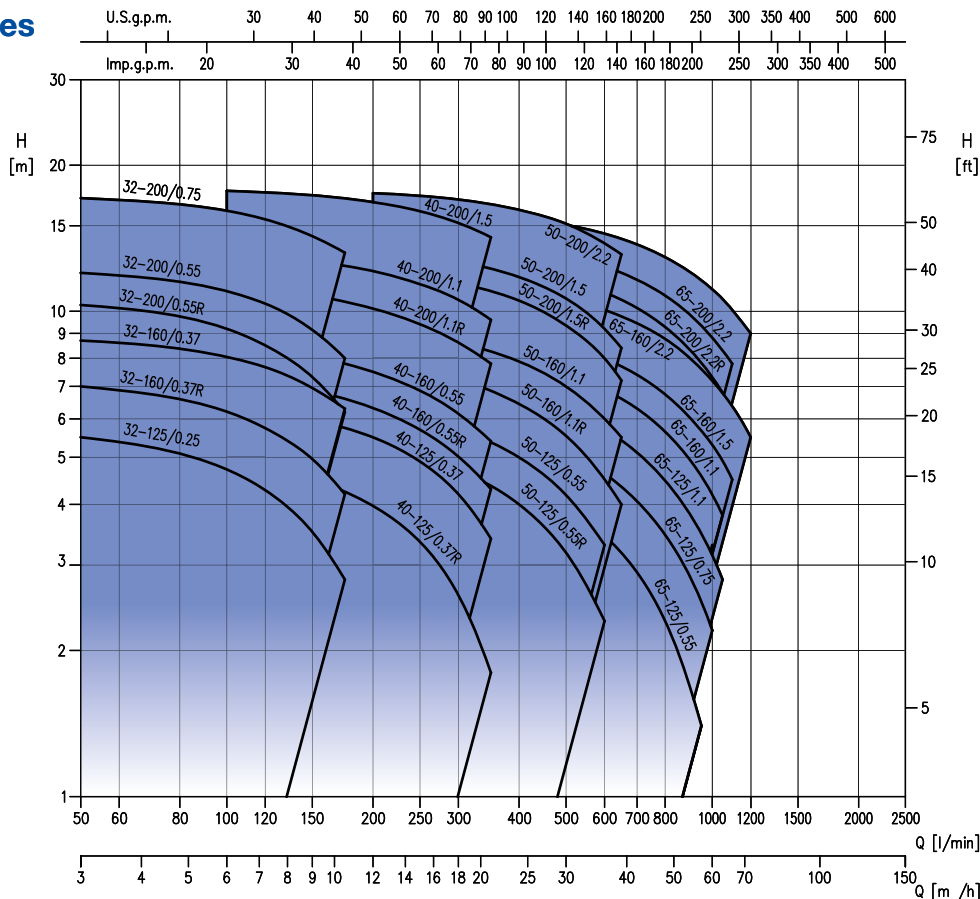
Centrifugal pumps in AISI 304 with normalized motor



## 2 poles



## 4 poles



Single stage centrifugal pumps

# 3M SERIES

Centrifugal pumps in AISI 304 with normalized motor



Single phase 230V														2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					I/min	100	150	200	333	400	500	700	1000				
					m³/h	6	9	12	20	24	30	42	60				
H=Total head [m]																	
3M 32-125/1,1 M	1300200000	<b>1.063,00</b>	1,5	1,1		21,0	19,9	18,4	12,0	-	-	-	-	6,7	50	32	19,6
3M 32-160/1,5 M	1300202400	<b>1.173,00</b>	2	1,5		28,0	26,5	24,5	17,0	-	-	-	-	9,6	50	32	22,5
3M 32-160/2,2 M	1300300000	<b>1.218,00</b>	3	2,2		35,5	34,0	32,0	25,0	-	-	-	-	13,3	50	32	27,7
3M 40-125/1,5 M	1320370000	<b>1.193,00</b>	2	1,5		-	-	19,0	17,0	15,7	13,2	7,0	-	9,6	65	40	20,1
3M 40-125/2,2 M	1320270000	<b>1.220,00</b>	3	2,2		-	-	25,5	23,5	22,0	19,5	13,0	-	13,3	65	40	25,8
3M 50-125/2,2 M	1330500000	<b>1.478,00</b>	3	2,2		-	-	-	-	17,5	16,3	13,4	8,0	13,3	65	50	29,4

Pumps supplied without counterflanges  
 See counterflanges kit on page 387  
 Pumps available in AISI 316, see page 67

Three phase 230/400/690V														2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]
					I/min	100	150	200	300	400	500	600	800	1000	230V	400V	690V			
					m³/h	6	9	12	18	24	30	36	48	60						
H=Total head [m]																				
3M/I 32-125/1,1	1300200004I	<b>1.026,00</b>	1,5	1,1		21,0	19,9	18,4	14,1	-	-	-	-	-	5,8	3,3	-	50	32	24,1
3M/I 32-160/1,5	1300202404I	<b>1.138,00</b>	2	1,5		28,0	26,5	24,5	19,2	-	-	-	-	-	5,8	3,3	-	50	32	27,0
3M/I 32-160/2,2	1300300004I	<b>1.184,00</b>	3	2,2		35,5	34,0	32,0	27,0	-	-	-	-	-	8,2	4,7	-	50	32	28,0
3M/I 32-200/3,0	1310402404I	<b>1.339,00</b>	4	3		42,0	40,0	37,5	31,0	-	-	-	-	-	11,1	6,4	-	50	32	35,1
3M/I 32-200/4,0	1310550004I	<b>1.576,00</b>	5,5	4		53,5	52,0	49,5	43,5	-	-	-	-	-	15,1	8,7	-	50	32	38,2
3M/I 32-200/5,5	1310750006I	<b>1.767,00</b>	7,5	5,5		69,0	67,5	65,0	58,5	-	-	-	-	-	10,6	6,1	50	32	52,2	
3M/I 32-200/7,5	1310900004I	<b>1.984,00</b>	10	7,5		69,0	67,5	65,0	58,5	49,0	-	-	-	-	13,6	7,9	50	32	60,1	
3M/I 40-125/1,5	1320370004I	<b>1.138,00</b>	2	1,5				19,0	17,6	15,7	13,2	10,3	-	-	5,8	3,3	-	65	40	24,6
3M/I 40-125/2,2	1320270004I	<b>1.155,00</b>	3	2,2				25,5	24,0	22,0	19,5	16,4	-	-	8,2	4,7	-	65	40	26,1
3M/I 40-160/3,0	1320402404I	<b>1.518,00</b>	4	3				29,5	27,5	25,5	22,5	20,0	-	-	11,1	6,4	-	65	40	26,6
3M/I 40-160/4,0	1320550004I	<b>1.714,00</b>	5,5	4				38,5	37,0	34,5	32,0	29,0	-	-	15,1	8,7	-	65	40	40,8
3M/I 40-200/5,5	1330752404I	<b>1.966,00</b>	7,5	5,5				45,5	44,0	41,0	38,0	35,0	-	-	10,6	6,1	65	40	52,5	
3M/I 40-200/7,5	1330900004I	<b>2.291,00</b>	10	7,5				57,0	55,5	53,5	51,0	47,5	-	-	13,6	7,9	65	40	59,3	
3M/I 40-200/11	1330910006I	<b>3.053,00</b>	15	11				71,0	70,0	68,5	66,0	63,0	-	-	21,3	12,3	65	40	69,6	
3M/I 50-125/2,2	1330500004I	<b>1.188,00</b>	3	2,2						17,5	16,3	14,9	11,7	8,0	8,2	4,7	-	65	50	32,0
3M/I 50-125/3,0	1330550004I	<b>1.371,00</b>	4	3						20,5	19,6	18,4	15,4	11,8	11,1	6,4	-	65	50	30,9
3M/I 50-125/4,0	1330400004I	<b>1.435,00</b>	5,5	4						26,0	25,0	24,0	21,5	17,9	15,1	8,7	-	65	50	40,9
3M/I 50-160/5,5	1330900006I	<b>1.887,00</b>	7,5	5,5						31,0	30,0	28,5	25,5	22,0	-	10,6	6,1	65	50	46,5
3M/I 50-160/7,5	1330890006I	<b>2.198,00</b>	10	7,5						38,5	37,5	36,0	33,5	30,0	-	13,6	7,9	65	50	58,6
3M/I 50-200/9,2	1330970006I	<b>2.507,00</b>	12,5	9,2						-	50,0	49,0	45,5	40,5	-	17,2	10	65	50	63,9
3M/I 50-200/11	1330960006I	<b>2.873,00</b>	15	11						-	56,0	55,0	52,0	48,0	-	21,3	12,3	65	50	69,6
3M/I 50-200/15	1330980006I	<b>3.562,00</b>	20	15						-	70,0	69,0	66,0	62,0	-	30,0	17,3	65	50	105,1

Pumps supplied without counterflanges  
 See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 Pumps available in AISI 316, see page 67



# 3M SERIES



Centrifugal pumps in AISI 304 with normalized motor

Three phase 230/400/690V														2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]
					l/min	700	900	1300	1500	1700	1900	2100	2200	2300	[A]					
					m <sup>3</sup> /h	42	54	78	90	102	114	126	132	138	230V	400V	690V			
H=Total head [m]																				
3M/I 65-125/4,0	1344120004I	<b>1.987,00</b>	5,5	4		19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	15,1	8,7	-	80	65	37,7
3M/I 65-125/5,5	1344130004I	<b>2.311,00</b>	7,5	5,5		24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	10,6	6,1	80	65	48,7
3M/I 65-125/7,5	1344140004I	<b>2.560,00</b>	10	7,5		29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	13,6	7,9	80	65	52,1
3M/I 65-160/7,5	1345140004I	<b>2.658,00</b>	10	7,5		30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	13,6	7,9	80	65	55,3
3M/I 65-160/9,2	1345150004I	<b>3.106,00</b>	12,5	9,2		34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	17,2	10	80	65	61,0
3M/I 65-160/11	1345160004I	<b>3.273,00</b>	15	11		38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	21,3	12,3	80	65	67,4
3M/I 65-160/15	1345170004I	<b>5.066,00</b>	20	15		45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	27,7	17,3	80	65	107,1
3M/I 65-200/15	1346170004I	<b>5.289,00</b>	20	15		51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	27,7	17,3	80	65	110,1
3M/I 65-200/18,5	1346180004I	<b>5.593,00</b>	25	18,5		58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	35	20,3	80	65	125,3
3M/I 65-200/22	1346190004I	<b>6.166,00</b>	30	22		65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	39,7	23,6	80	65	136,1

Pumps supplied without counterflanges

See counterflanges kit on page 387

"SCA" version with drain plug available with a 5% increase on the price list.

Pumps available in AISI 316, see page 67

# 3M4 SERIES

Centrifugal pumps in AISI 304 with normalized motor (4 poles)



Three phase 230/400V																4 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]	
					l/min	50	100	150	200	250	300	350	400	500	650							
					m <sup>3</sup> /h	3	6	9	12	15	18	21	24	30	39	230V	400V					
					H=Total head [m]																	
3M4 32-125/0,25	1270010004	1.014,00	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,9	1,1	50	32	15,0	
3M4 32-160/0,37R	1279020004	1.086,00	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,6	1,5	50	32	19,7	
3M4 32-160/0,37	1270020004	1.086,00	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,6	1,5	50	32	19,9	
3M4 32-200/0,55R	1279030004	1.183,00	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,6	1,5	50	32	24,5	
3M4 32-200/0,55	1270030004	1.183,00	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,6	1,5	50	32	24,5	
3M4/I 32-200/0,75	1270050004I	1.223,00	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	4,6	2,7	50	32	28,1	
3M4 40-125/0,37R	1289020004	1.103,00	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	1,9	1,1	65	40	15,6	
3M4 40-125/0,37	1280020004	1.103,00	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	1,9	1,1	65	40	15,7	
3M4 40-160/0,55R	1289030004	1.163,00	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,6	1,5	65	40	20,2	
3M4 40-160/0,55	1280030004	1.163,00	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,6	1,5	65	40	20,6	
3M4/I 40-200/1,1R	1289070004I	1.717,00	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,6	2,7	65	40	28,5	
3M4/I 40-200/1,1	1280070004I	1.717,00	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,6	2,7	65	40	28,6	
3M4/I 40-200/1,5	1280080004I	1.862,00	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	30,3	
3M4 50-125/0,55R	1299030004	1.128,00	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,6	1,5	65	50	20,4	
3M4 50-125/0,55	1290030004	1.128,00	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,6	1,5	65	50	20,5	
3M4/I 50-160/1,1R	1299070004I	1.712,00	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,6	2,7	65	50	28,6	
3M4/I 50-160/1,1	1290070004I	1.712,00	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,6	2,7	65	50	28,7	
3M4/I 50-200/1,5R	1299080004I	1.952,00	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	30,5	
3M4/I 50-200/1,5	1290080004I	1.952,00	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	31,6	
3M4/I 50-200/2,2	1290100004I	2.041,00	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	7,8	4,5	65	50	30,0	

Pumps supplied without counterflanges  
 See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 Pumps available in AISI 316, see page 67

Three phase 230/400V																4 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]	
					l/min	300	350	500	600	800	1000	1050	1100	1200								
					m <sup>3</sup> /h	18	21	30	36	48	60	63	66	72	230V	400V						
					H=Total head [m]																	
3M4 65-125/0,55	1344030004	2.124,00	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	2,6	1,5	80	65	21,9		
3M4/I 65-125/0,75	1344040004I	2.124,00	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	4,6	2,7	80	65	20,0		
3M4/I 65-125/1,1	1344070004I	2.208,00	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	2,8	-	-	-	4,6	2,7	80	65	20,0		
3M4/I 65-160/1,1	1345070004I	2.398,00	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	3,8	-	-	-	4,6	2,7	80	65	28,5		
3M4/I 65-160/1,5	1345080004I	2.804,00	2	1,5		-	9,2	8,5	8,0	6,7	5,3	4,9	4,5	-	-	6,2	3,6	80	65	30,0		
3M4/I 65-160/2,2	1345100004I	2.898,00	3	2,2		-	11,3	10,6	10,1	8,8	7,2	6,8	6,4	5,5	-	7,8	4,5	80	65	32,0		
3M4/I 65-200/2,2 R	1346100104I	3.771,00	3	2,2		-	12,4	11,6	10,9	9,3	7,3	6,8	-	-	-	7,8	4,5	80	65	30,0		
3M4/I 65-200/2,2	1346100004I	3.771,00	3	2,2		-	13,9	13,0	12,4	10,8	8,8	8,3	7,8	-	-	7,8	4,5	80	65	30,0		
3M4/I 65-200/3,0	1346110004I	3.990,00	4	3		-	15,8	15,1	14,4	12,9	11,1	10,6	10,1	9,0	-	11,8	6,8	80	65	38,0		

Pumps supplied without counterflanges  
 See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 Pumps available in AISI 316, see page 67



# 3S(4) SERIES



## Centrifugal pumps in AISI 304 with normalized motor and rigid coupling

Standardized centrifugal pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available in AISI 316



Sturdy construction



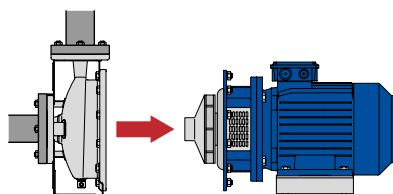
Volute obtained with hydro-forming process



High performances

## Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 360 - E-drive

Variable speed control systems

Page 364 - Control panels

1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

## Standard Motors

IEC Standard motor is used.

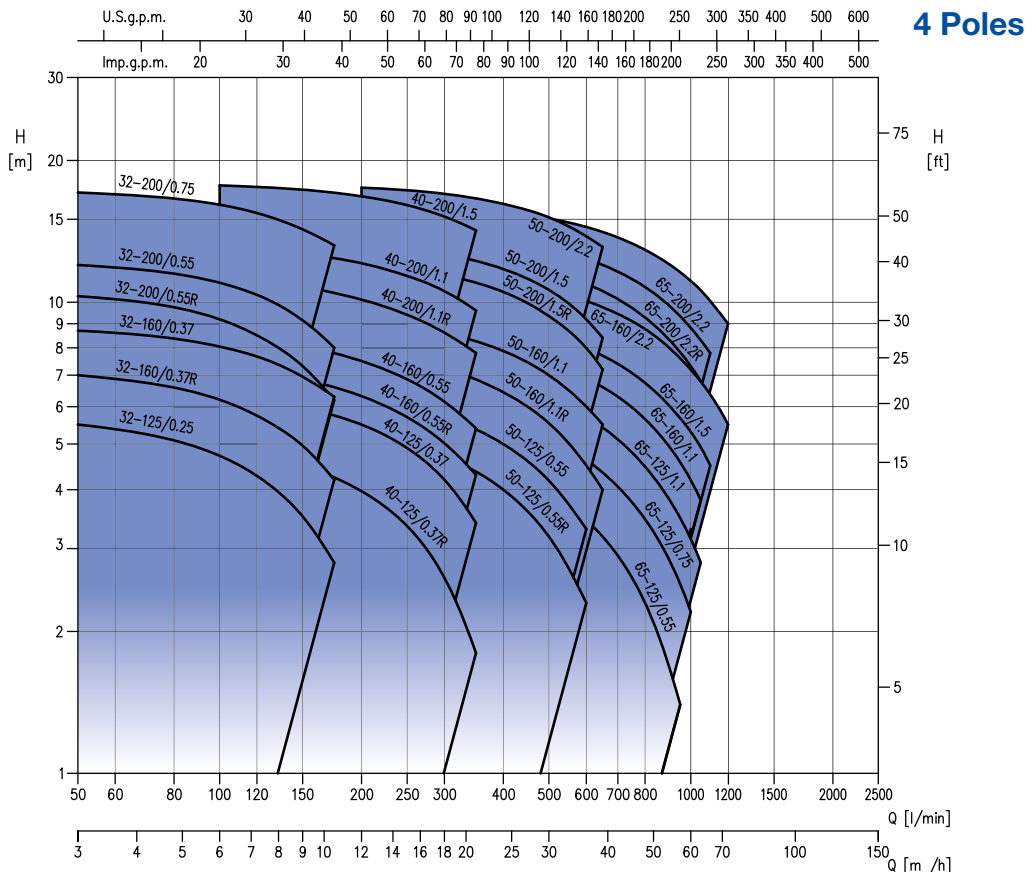
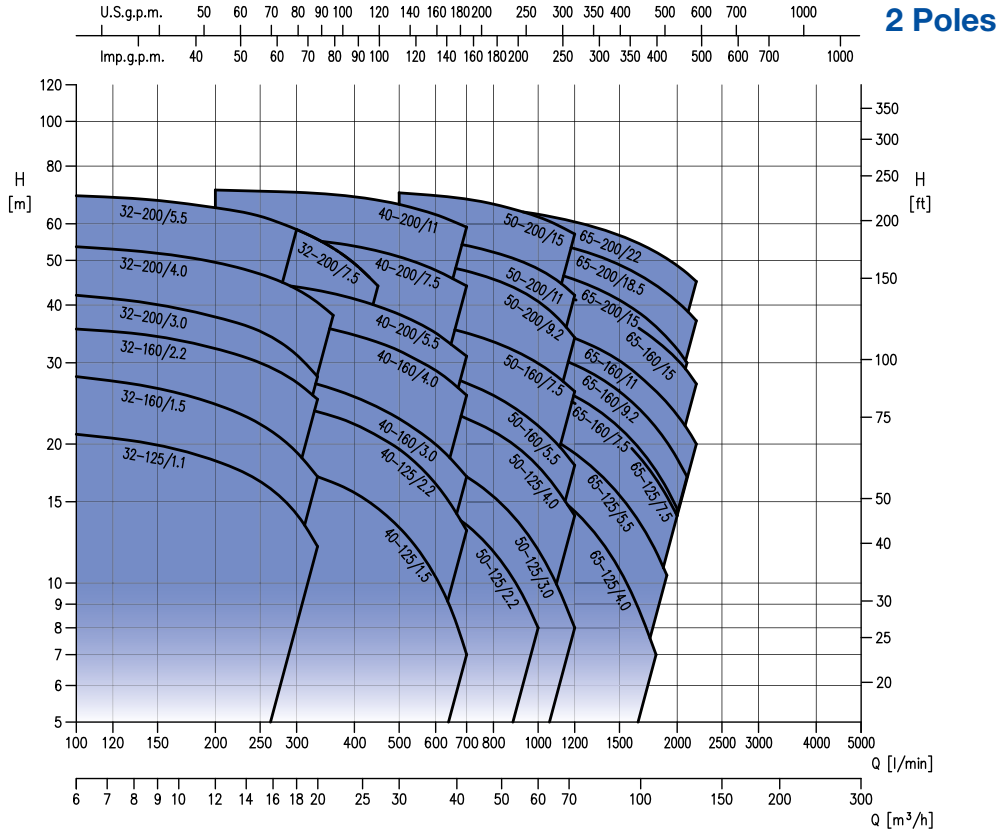
This makes easier to find a replacement motor, in case of necessity

# 3S(4) SERIES

Centrifugal pumps in AISI 304 with normalized motor and rigid coupling



Single stage centrifugal pumps





# 3S SERIES



Centrifugal pumps in AISI 304 with normalized motor and rigid coupling

Single stage centrifugal pumps

Three phase 230/400/690V															2 Poles								
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
					l/min	100	200	300	360	450	600	700	800	1000	1200	[A]							
					m³/h	6	12	18	22	27	36	42	48	60	72	230V	400V	690V					
H=Total head [m]																							
3S/I 32-125/1,1	1308200004I	1.134,00	1,5	1,1		21,0	18,4	14,1	-	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	24,7
3S/I 32-160/1,5	1308202404I	1.164,00	2	1,5		28,0	24,5	19,2	-	-	-	-	-	-	-	-	-	5,2	3,0	-	50	32	29,8
3S/I 32-160/2,2	1308300004I	1.245,00	3	2,2		35,5	32,0	27,0	-	-	-	-	-	-	-	-	-	8,0	4,6	-	50	32	32,4
3S/I 32-200/3,0	1318402404I	1.421,00	4	3		42,0	37,5	31,0	-	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	46,9
3S/I 32-200/4,0	1318550004I	1.553,00	5,5	4		53,5	49,5	43,5	38,0	-	-	-	-	-	-	-	-	12,1	7,0	-	50	32	49,0
3S/I 32-200/5,5	1318750006I	1.825,00	7,5	5,5		69,0	65,0	58,5	-	-	-	-	-	-	-	-	-	-	10,0	5,8	50	32	71,8
3S/I 32-200/7,5	1318750004I	1.959,00	10	7,5		69,0	65,0	58,5	53,0	44,0	-	-	-	-	-	-	-	-	13,1	7,6	50	32	87,0
3S/I 40-125/1,5	1328370004I	1.152,00	2	1,5		-	19,0	17,6	16,5	14,5	10,3	7,0	-	-	-	-	-	5,2	3,0	-	65	40	26,5
3S/I 40-125/2,2	1328270004I	1.156,00	3	2,2		-	25,5	24,0	23,0	21,0	16,4	13,0	-	-	-	-	-	8,0	4,6	-	65	40	29,6
3S/I 40-160/3,0	1328402404I	1.504,00	4	3		-	29,5	27,5	26,5	24,0	20,0	17,0	-	-	-	-	-	9,7	5,6	-	65	40	42,5
3S/I 40-160/4,0	1328550004I	1.585,00	5,5	4		-	38,5	37,0	35,5	33,0	29,0	25,5	-	-	-	-	-	12,1	7,0	-	65	40	44,6
3S/I 40-200/5,5	1338752404I	1.825,00	7,5	5,5		-	45,5	44,0	42,5	39,5	35,0	31,0	-	-	-	-	-	-	10,0	5,8	65	40	72,2
3S/I 40-200/7,5	1338900004I	2.094,00	10	7,5		-	57,0	55,5	54,5	52,5	47,5	44,0	-	-	-	-	-	-	13,1	7,6	65	40	82,0
3S/I 40-200/11,0	1338910006I	3.010,00	15	11		-	71,0	70,0	69,5	67,5	63,0	59,0	-	-	-	-	-	-	19,7	11,4	65	40	117,8
3S/I 50-125/2,2	1338200004I	1.305,00	3	2,2		-	-	-	-	17,0	14,9	13,4	11,7	8,0	-	-	-	8,0	4,6	-	65	50	32,9
3S/I 50-125/3,0	1338550004I	1.457,00	4	3		-	-	-	-	20,0	18,4	17,0	15,4	11,8	8,0	-	-	9,7	5,6	-	65	50	35,5
3S/I 50-125/4,0	1338400004I	1.525,00	5,5	4		-	-	-	-	25,5	24,0	22,5	21,5	17,9	14,0	-	-	12,1	7,0	-	65	50	45,6
3S/I 50-160/5,5	1338900006I	1.765,00	7,5	5,5		-	-	-	-	30,5	28,5	27,0	25,5	22,0	18,0	-	-	-	10,0	5,8	65	50	63,8
3S/I 50-160/7,5	1338890006I	1.851,00	10	7,5		-	-	-	-	38,0	36,0	35,0	33,5	30,0	26,0	-	-	-	13,1	7,6	65	50	91,0
3S/I 50-200/9,2	1338970006I	2.695,00	12,5	9,2		-	-	-	-	-	49,0	47,5	45,5	40,5	34,0	-	-	-	16,5	9,5	65	50	90,7
3S/I 50-200/11,0	1338960006I	2.870,00	15	11		-	-	-	-	-	55,0	54,0	52,0	48,0	42,0	-	-	-	19,7	11,4	65	50	117,8
3S/I 50-200/15,0	1338980006I	3.595,00	20	15		-	-	-	-	-	69,0	68,0	66,0	62,0	57,0	-	-	-	26,7	15,4	65	50	147,9

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.  
 Pumps available in AISI 316, see page 72  
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

Three phase 230/400/690V															2 Poles								
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
					l/min	700	900	1300	1500	1700	1900	2100	2200	2300	[A]								
					m³/h	42	54	78	90	102	114	126	132	138	230V	400V	690V						
H=Total head [m]																							
3S/I 65-125/4,0	1362120004I	1.881,00	5,5	4		19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	-	-	-	12,1	7,0	-	80	65	50,1
3S/I 65-125/5,5	1362130004I	2.014,00	7,5	5,5		24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	-	-	-	10,0	5,8	80	65	60,0
3S/I 65-125/7,5	1362140004I	2.321,00	10	7,5		29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	-	-	-	13,1	7,6	80	65	79,4
3S/I 65-160/7,5	1363140004I	2.321,00	10	7,5		30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	-	-	-	13,1	7,6	80	65	82,4
3S/I 65-160/9,2	1363150004I	2.691,00	12,5	9,2		34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	-	-	-	16,5	9,5	80	65	88,0
3S/I 65-160/11,0	1363160004I	3.191,00	15	11		38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	-	-	-	19,7	11,4	80	65	86,8
3S/I 65-160/15,0	1363170004I	3.534,00	20	15		45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	-	-	-	26,7	15,4	80	65	120,9
3S/I 65-200/15,0	1364170004I	3.785,00	20	15		51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	-	-	-	26,7	15,4	80	65	138,0
3S/I 65-200/18,5	1364180004I	4.462,00	25	18,5		58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	-	-	-	33,0	19,1	80	65	137,0
3S/I 65-200/22,0	1364190004I	5.139,00	30	22		65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	-	-	-	38,0	22,0	80	65	175,0

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.  
 Pumps available in AISI 316, see page 72  
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

# 3S4 SERIES



Centrifugal pumps in AISI 304 with normalized motor and rigid coupling (4 poles)

Single stage centrifugal pumps

Three phase 230/400V															4 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.		DNA	DNM	Weight [kg]
					l/min	50	100	150	200	250	300	350	400	500	650	[A]					
					m³/h	3	6	9	12	15	18	21	24	30	39	230V	400V				
H=Total head [m]																					
3S4 32-125/0,25	1278010004	<b>1.063,00</b>	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,6	0,9	50	32	15,4
3S4 32-160/0,37R	1278020104	<b>1.102,00</b>	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,5
3S4 32-160/0,37	1278020004	<b>1.102,00</b>	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,7
3S4 32-200/0,55R	1278030104	<b>1.197,00</b>	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,8	1,6	50	32	28,0
3S4 32-200/0,55	1278030004	<b>1.197,00</b>	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,8	1,6	50	32	33,0
3S4/I 32-200/0,75	1278050004I	<b>1.357,00</b>	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	3,1	1,8	50	32	29,5
3S4 40-125/0,37R	1288020104	<b>1.100,00</b>	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	2,1	1,2	65	40	16,2
3S4 40-125/0,37	1288020004	<b>1.100,00</b>	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	2,1	1,2	65	40	16,2
3S4 40-160/0,55R	1288030104	<b>1.173,00</b>	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,8	1,6	65	40	23,5
3S4 40-160/0,55	1288030004	<b>1.173,00</b>	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,8	1,6	65	40	23,5
3S4/I 40-200/1,1R	1288070104I	<b>2.079,00</b>	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,3	2,5	65	40	32,1
3S4/I 40-200/1,1	1288070004I	<b>2.079,00</b>	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,3	2,5	65	40	32,1
3S4/I 40-200/1,5	1288080004I	<b>1.563,00</b>	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	32,9
3S4 50-125/0,55R	1298030104	<b>1.188,00</b>	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,8	1,6	65	50	23,7
3S4 50-125/0,55	1298030004	<b>1.188,00</b>	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,8	1,6	65	50	23,7
3S4/I 50-160/1,1R	1298070104I	<b>1.465,00</b>	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,3	2,5	65	50	31,8
3S4/I 50-160/1,1	1298070004I	<b>1.465,00</b>	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,3	2,5	65	50	31,8
3S4/I 50-200/1,5R	1298080104I	<b>1.636,00</b>	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	34,5
3S4/I 50-200/1,5	1298080004I	<b>1.636,00</b>	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	34,5
3S4/I 50-200/2,2	1298100004I	<b>2.152,00</b>	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	10,2	5,9	65	50	43,4

Pumps supplied without counterflanges, see counterflanges kit on page 387

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Pumps available in AISI 316, see page 72

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

Three phase 230/400V															4 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.		DNA	DNM	Weight [kg]
					l/min	300	350	500	600	800	1000	1050	1100	1200	[A]						
					m³/h	18	21	30	36	48	60	63	66	72	230V	400V					
H=Total head [m]																					
3S4 65-125/0,55	1362030004	<b>1.526,00</b>	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	2,8	1,6	80	65	21,5
3S4/I 65-125/0,75	1362040004I	<b>1.607,00</b>	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	3,1	1,8	80	65	30,0
3S4/I 65-125/1,1	1362070004I	<b>1.648,00</b>	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	2,8	-	-	-	-	4,3	2,5	80	65	27,8
3S4/I 65-160/1,1	1363070004I	<b>1.722,00</b>	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	3,8	-	-	-	-	4,3	2,5	80	65	28,8
3S4/I 65-160/1,5	1363080004I	<b>1.746,00</b>	2	1,5		-	9,2	8,5	8,0	6,7	5,3	4,9	4,5	-	-	-	6,2	3,6	80	65	40,4
3S4/I 65-160/2,2	1363100004I	<b>1.917,00</b>	3	2,2		-	11,3	10,6	10,1	8,8	7,2	6,8	6,4	5,5	-	-	10,2	5,9	80	65	46,4
3S4/I 65-200/2,2R	1364100104I	<b>2.299,00</b>	3	2,2		-	12,4	11,6	10,9	9,3	7,3	6,8	-	-	-	-	10,2	5,9	80	65	42,9
3S4/I 65-200/2,2	1364100004I	<b>2.300,00</b>	3	2,2		-	13,9	13,0	12,4	10,8	8,8	8,3	7,8	-	-	-	10,2	5,9	80	65	43,4
3S4/I 65-200/3,0	1364110004I	<b>2.346,00</b>	4	3		-	15,8	15,1	14,4	12,9	11,1	10,6	10,1	9,0	-	-	11,8	6,8	80	65	48,5

Pumps supplied without counterflanges, see counterflanges kit on page 387

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Pumps available in AISI 316, see page 72

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

# 3P(4) SERIES



## Centrifugal pumps on base with Standardized motor and flexible coupling in AISI 304

Standardized centrifugal pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available in AISI 316



Sturdy construction



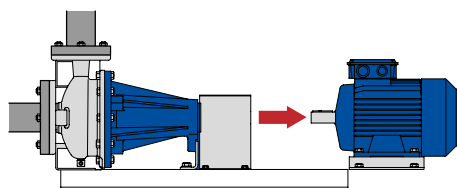
Volute obtained with hydro-forming process



High performances

## Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



**Counterflanges kit**  
Page 387 - Galvanized, AISI 304 and AISI 316 counterflanges kit



**Control systems**  
Page 360 - E-drive  
Variable speed control systems  
Page 364 - Control panels  
1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



**Mechanical seal**  
Page 389 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

## Standard Motors

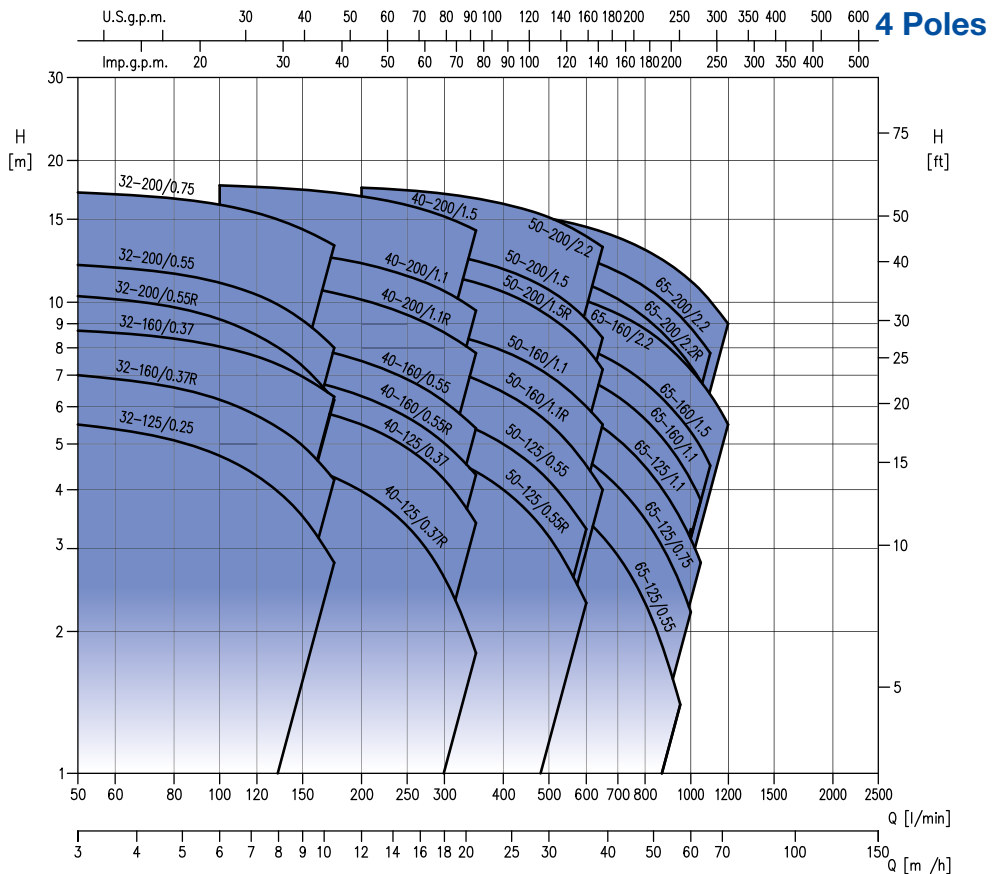
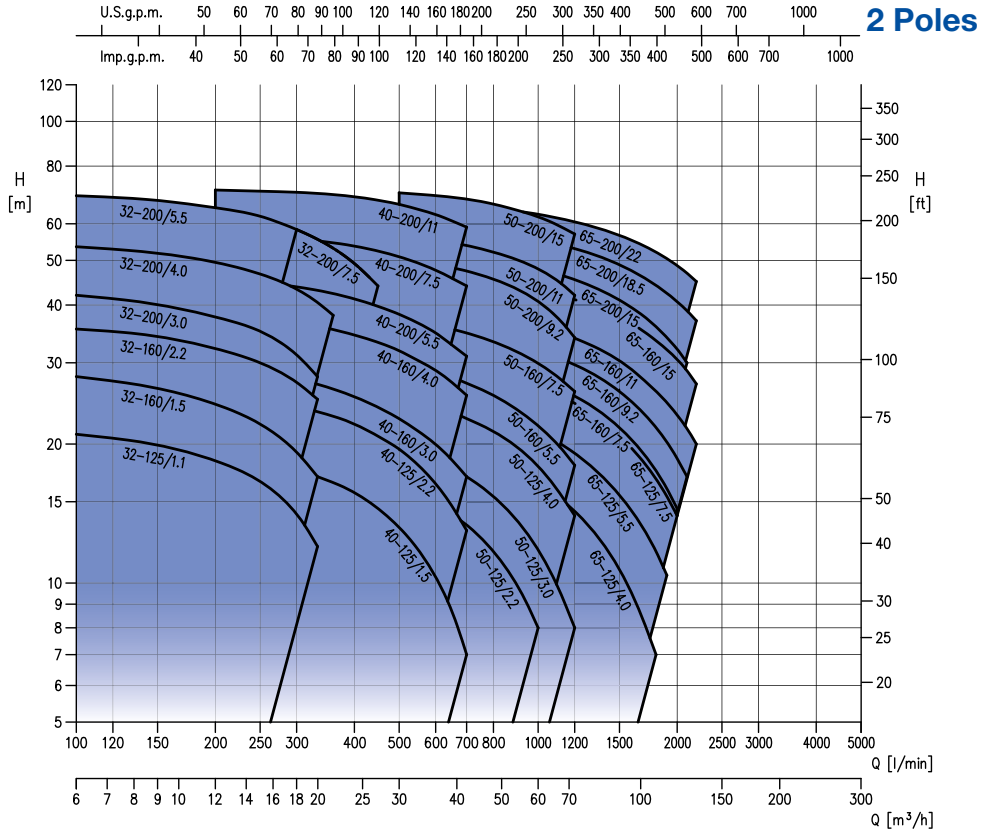
IEC Standard motor is used.  
This makes easier to find a replacement motor, in case of necessity

# 3P(4) SERIES

Centrifugal pumps on base with Standardized motor and flexible coupling in AISI 304



Single stage centrifugal pumps





# 3P SERIES



Centrifugal pumps on base with Standardized motor and flexible coupling in AISI 304

Single stage centrifugal pumps

Three phase 230/400/690V																	2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]	
					l/min	100	150	200	300	400	500	600	800	1000	[A]						
					m³/h	6	9	12	18	24	30	36	48	60	230V	400V	690V				
H=Total head [m]																					
3P/I 32-125/1,1	1848070004I	2.320,00	1,5	1,1		21,0	19,9	18,4	14,1	-	-	-	-	-	-	4,2	2,4	-	50	32	46,7
3P/I 32-160/1,5	1848080004I	2.501,00	2	1,5		28,0	26,5	24,5	19,2	-	-	-	-	-	-	5,2	3,0	-	50	32	52,3
3P/I 32-160/2,2	1848100004I	2.537,00	3	2,2		35,5	34,0	32,0	27,0	-	-	-	-	-	-	8,0	4,6	-	50	32	53,5
3P/I 32-200/3,0	1848110004I	2.917,00	4	3		42,0	40,0	37,5	31,0	-	-	-	-	-	-	9,7	5,6	-	50	32	71,5
3P/I 32-200/4,0	1848120004I	2.934,00	5,5	4		53,5	52,0	49,5	43,5	-	-	-	-	-	-	12,1	7,0	-	50	32	75,1
3P/I 32-200/5,5	1848130004I	3.687,00	7,5	5,5		69,0	67,5	65,0	58,5	-	-	-	-	-	-	-	10,0	5,8	50	32	97,0
3P/I 32-200/7,5	1848140004I	3.830,00	10	7,5		69,0	67,5	65,0	58,5	49,0	-	-	-	-	-	-	13,1	7,6	50	32	112,2
3P/I 40-125/1,5	1858080004I	2.537,00	2	1,5		-	-	19,0	17,6	15,7	13,2	10,3	-	-	-	5,2	3,0	-	65	40	49,8
3P/I 40-125/2,2	1858100004I	2.613,00	3	2,2		-	-	25,5	24,0	22,0	19,5	16,4	-	-	-	8,0	4,6	-	65	40	51,0
3P/I 40-160/3,0	1858110004I	2.754,00	4	3		-	-	29,5	27,5	25,5	22,5	20,0	-	-	-	9,7	5,6	-	65	40	81,0
3P/I 40-160/4,0	1858120004I	2.830,00	5,5	4		-	-	38,5	37,0	34,5	32,0	29,0	-	-	-	12,1	7,0	-	65	40	67,6
3P/I 40-200/5,5	1858130004I	3.766,00	7,5	5,5		-	-	45,5	44,0	41,0	38,0	35,0	-	-	-	-	10,0	5,8	65	40	98,0
3P/I 40-200/7,5	1858140004I	3.933,00	10	7,5		-	-	57,0	55,5	53,5	51,0	47,5	-	-	-	-	13,1	7,6	65	40	106,9
3P/I 40-200/11,0	1858160004I	4.719,00	15	11		-	-	71,0	70,0	68,5	66,0	63,0	-	-	-	-	19,7	11,4	65	40	127,8
3P/I 50-125/2,2	1868090004I	2.662,00	3	2,2		-	-	-	-	17,5	16,3	14,9	11,7	8,0	8,0	4,6	-	65	50	75,0	
3P/I 50-125/3,0	1868110004I	2.754,00	4	3		-	-	-	-	20,5	19,6	18,4	15,4	11,8	9,7	5,6	-	65	50	82,5	
3P/I 50-125/4,0	1868120004I	2.847,00	5,5	4		-	-	-	-	26,0	25,0	24,0	21,5	17,9	12,1	7,0	-	65	50	84,6	
3P/I 50-160/5,5	1868130004I	3.840,00	7,5	5,5		-	-	-	-	31,0	30,0	28,5	25,5	22,0	-	10,0	5,8	65	50	98,0	
3P/I 50-160/7,5	1868140004I	4.001,00	10	7,5		-	-	-	-	38,5	37,5	36,0	33,5	30,0	-	13,1	7,6	65	50	106,9	
3P/I 50-200/9,2	1868150004I	4.039,00	12,5	9,2		-	-	-	-	-	50,0	49,0	45,5	40,5	-	16,5	9,5	65	50	111,0	
3P/I 50-200/11,0	1868160004I	4.524,00	15	11		-	-	-	-	-	56,0	55,0	52,0	48,0	-	19,7	11,4	65	50	128,3	
3P/I 50-200/15,0	1868170004I	4.989,00	20	15		-	-	-	-	-	70,0	69,0	66,0	62,0	-	26,7	15,4	65	50	135,4	

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 Pumps available in AISI 316, see page 78

Three phase 230/400/690V																	2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]
					l/min	700	900	1300	1500	1700	1900	2100	2200	2300	[A]					
					m³/h	42	54	78	90	102	114	126	132	138	230V	400V	690V			
H=Total head [m]																				
3P/I 65-125/4,0	1872120004I	3.208,00	5,5	4		19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	12,1	7,0	-	80	65	85,1
3P/I 65-125/5,5	1872130004I	3.996,00	7,5	5,5		24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	10,0	5,8	80	65	99,0
3P/I 65-125/7,5	1872140004I	4.195,00	10	7,5		29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	13,1	7,6	80	65	109,4
3P/I 65-160/7,5	1872240004I	4.374,00	10	7,5		30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	13,1	7,6	80	65	115,4
3P/I 65-160/9,2	1872150004I	4.407,00	12,5	9,2		34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	16,5	9,5	80	65	118,0
3P/I 65-160/11,0	1872160004I	4.814,00	15	11		38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	19,7	11,4	80	65	124,8
3P/I 65-160/15,0	1872170004I	5.231,00	20	15		45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	26,7	15,4	80	65	129,0
3P/I 65-200/15,0	1872270004I	5.491,00	20	15		51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	26,7	15,4	80	65	137,0
3P/I 65-200/18,5	1872180004I	6.173,00	25	18,5		58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	33,0	19,1	80	65	135,2
3P/I 65-200/22,0	1872190004I	6.540,00	30	22		65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	38,0	22,0	80	65	189,0

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 Pumps available in AISI 316, see page 78

# 3P4 SERIES



Centrifugal pumps on base with Standardized motor and flexible coupling in AISI 304 (4 poles)

Single stage centrifugal pumps

Three phase 230/400V																	4 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.		DNA	DNM	Weight [kg]	
					l/min	50	100	150	200	250	300	350	400	500	650	[A]						
					m <sup>3</sup> /h	3	6	9	12	15	18	21	24	30	39	230V	400V					
					H=Total head [m]																	
3P4 32-125/0,25	1848010004	2.181,00	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	-	1,6	0,9	50	32	37,0
3P4 32-160/0,37R	1849020004	2.224,00	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0
3P4 32-160/0,37	1848020004	2.224,00	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0
3P4 32-200/0,55R	1849030004	2.382,00	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5
3P4 32-200/0,55	1848030004	2.382,00	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5
3P4/I 32-200/0,75	1848050004I	2.662,00	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	-	3,1	1,8	50	32	54,5
3P4 40-125/0,37R	1859020004	2.239,00	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	-	2,1	1,2	65	40	46,5
3P4 40-125/0,37	1858020004	2.239,00	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	-	2,1	1,2	65	40	46,5
3P4 40-160/0,55R	1859030004	2.243,00	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	-	2,8	1,6	65	40	44,5
3P4 40-160/0,55	1858030004	2.243,00	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	-	2,8	1,6	65	40	44,5
3P4/I 40-200/1,1R	1859070004I	2.729,00	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	-	4,3	2,5	65	40	59,3
3P4/I 40-200/1,1	1858070004I	2.729,00	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	-	4,3	2,5	65	40	59,3
3P4/I 40-200/1,5	1859080004I	2.830,00	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	-	6,2	3,6	65	40	61,4
3P4 50-125/0,55R	1869030004	2.226,00	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	-	2,8	1,6	65	50	45,0
3P4 50-125/0,55	1868030004	2.226,00	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	-	2,8	1,6	65	50	45,0
3P4/I 50-160/1,1R	1869070004I	2.785,00	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	-	4,3	2,5	65	50	50,3
3P4/I 50-160/1,1	1868070004I	2.785,00	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	-	4,3	2,5	65	50	50,3
3P4/I 50-200/1,5R	1869080004I	2.815,00	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	-	6,2	3,6	65	50	61,4
3P4/I 50-200/1,5	1868080004I	2.815,00	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	-	6,2	3,6	65	50	61,4
3P4/I 50-200/2,2	1868100004I	3.091,00	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	-	10,2	5,9	65	50	70,4

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 Pumps available in AISI 316, see page 78

Three phase 230/400V																	4 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.		DNA	DNM	Weight [kg]	
					l/min	300	350	500	600	800	1000	1050	1100	1200	[A]							
					m <sup>3</sup> /h	18	21	30	36	48	60	63	66	72	230V	400V						
					H=Total head [m]																	
3P4 65-125/0,55	1878430004	2.715,00	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	-	2,8	1,6	80	65	48,5
3P4/I 65-125/0,75	1878450004I	2.825,00	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	-	3,1	1,8	80	65	48,5
3P4/I 65-125/1,1	1878470004I	2.903,00	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	2,8	-	-	-	-	-	4,3	2,5	80	65	53,8
3P4/I 65-160/1,1	1877470004I	3.083,00	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	3,8	-	-	-	-	-	4,3	2,5	80	65	60,3
3P4/I 65-160/1,5	1877480004I	3.109,00	2	1,5		-	9,2	8,5	8,0	6,7	5,3	4,9	4,5	-	-	-	-	6,2	3,6	80	65	60,9
3P4/I 65-160/2,2	1877500004I	3.538,00	3	2,2		-	11,3	10,6	10,1	8,8	7,2	6,8	6,4	5,5	-	-	-	10,2	5,9	80	65	71,9
3P4/I 65-200/2,2R	1876500104I	3.538,00	3	2,2		-	12,4	11,6	10,9	9,3	7,3	6,8	-	-	-	-	-	10,2	5,9	80	65	74,4
3P4/I 65-200/2,2	1876500004I	3.538,00	3	2,2		-	13,9	13,0	12,4	10,8	8,8	8,3	7,8	-	-	-	-	10,2	5,9	80	65	74,4
3P4/I 65-200/3,0	1876510004I	3.616,00	4	3		-	15,8	15,1	14,4	12,9	11,1	10,6	10,1	9,0	-	-	-	11,8	6,8	80	65	77,5

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 Pumps available in AISI 316, see page 78



# 3PF(4) SERIES



## Centrifugal pumps in AISI 304 (hydraulic only)

Bare shaft pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available in AISI 316



Sturdy construction



Volute obtained with hydro-forming process



High performances

## Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55

## Accessories



### Counterflanges kit

Page 387 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

# 3PF(4) SERIES

Centrifugal pumps in AISI 304 (hydraulic only)



3PF SERIES		2 Poles
Model	Code	£ Stg
3PF 32-125/1,1	1848000000	<b>1.331,00</b>
3PF 32-160/1,5R	1848000001	<b>1.442,00</b>
3PF 32-160/2,2	1848000002	<b>1.442,00</b>
3PF 32-200/3,0R	1848000003	<b>1.616,00</b>
3PF 32-200/4,0	1848000004	<b>1.616,00</b>
3PF 32-200/5,5L	1848000005	<b>1.616,00</b>
3PF 32-200/7,5L	1848000005	<b>1.616,00</b>
3PF 40-125/1,5R	1858000000	<b>1.332,00</b>
3PF 40-125/2,2	1858000001	<b>1.332,00</b>
3PF 40-160/3,0R	1858000002	<b>1.439,00</b>
3PF 40-160/4,0	1858000003	<b>1.439,00</b>
3PF 40-200/5,5R	1858000004	<b>1.632,00</b>
3PF 40-200/7,5	1858000005	<b>1.632,00</b>
3PF 40-200/11L	1858000006	<b>1.632,00</b>
3PF 50-125/2,2S	1868000007	<b>1.390,00</b>
3PF 50-125/3,0R	1868000000	<b>1.390,00</b>
3PF 50-125/4,0	1868000001	<b>1.390,00</b>
3PF 50-160/5,5R	1868000002	<b>1.531,00</b>
3PF 50-160/7,5	1868000003	<b>1.531,00</b>
3PF 50-200/9,2R	1868000004	<b>1.650,00</b>
3PF 50-200/11	1868000005	<b>1.650,00</b>
3PF 50-200/15L	1868000006	<b>1.650,00</b>
3PF 65-125/4,0R	1872000000	<b>1.656,00</b>
3PF 65-125/5,5	1872000001	<b>1.656,00</b>
3PF 65-125/7,5L	1872000002	<b>1.656,00</b>
3PF 65-160/7,5S	1872000009	<b>1.827,00</b>
3PF 65-160/9,2R	1872000003	<b>1.827,00</b>
3PF 65-160/11	1872000004	<b>1.827,00</b>
3PF 65-160/15L	1872000005	<b>1.827,00</b>
3PF 65-200/15R	1872000006	<b>2.095,00</b>
3PF 65-200/18,5	1872000007	<b>2.095,00</b>
3PF 65-200/22L	1872000008	<b>2.095,00</b>

Pumps supplied without counterflanges, see counterflanges kit on page 387  
Pumps available in AISI 316, see page 84

3PF4 SERIES		4 Poles
Model	Code	£ Stg
3PF4 32-125/0,25	1848000000	<b>1.331,00</b>
3PF4 32-160/0,37R	1848000001	<b>1.442,00</b>
3PF4 32-160/0,37	1848000002	<b>1.442,00</b>
3PF4 32-200/0,55R	1848000003	<b>1.616,00</b>
3PF4 32-200/0,55	1848000004	<b>1.616,00</b>
3PF4 32-200/0,75	1848000005	<b>1.616,00</b>
3PF4 40-125/0,37R	1858000000	<b>1.332,00</b>
3PF4 40-125/0,37	1858000001	<b>1.332,00</b>
3PF4 40-160/0,55R	1858000002	<b>1.439,00</b>
3PF4 40-160/0,55	1858000003	<b>1.439,00</b>
3PF4 40-200/1,1R	1858000004	<b>1.632,00</b>
3PF4 40-200/1,1	1858000005	<b>1.632,00</b>
3PF4 40-200/1,5	1858000006	<b>1.632,00</b>
3PF4 50-125/0,55R	1868000000	<b>1.390,00</b>
3PF4 50-125/0,55	1868000001	<b>1.390,00</b>
3PF4 50-160/1,1R	1868000002	<b>1.531,00</b>
3PF4 50-160/1,1	1868000003	<b>1.531,00</b>
3PF4 50-200/1,5R	1868000004	<b>1.650,00</b>
3PF4 50-200/1,5	1868000005	<b>1.650,00</b>
3PF4 50-200/2,2	1868000006	<b>1.650,00</b>
3PF4 65-125/0,55	1872000000	<b>1.656,00</b>
3PF4 65-125/0,75	1872000001	<b>1.656,00</b>
3PF4 65-125/1,1	1872000002	<b>1.656,00</b>
3PF4 65-160/1,1R	1872000003	<b>1.827,00</b>
3PF4 65-160/1,5	1872000004	<b>1.827,00</b>
3PF4 65-160/2,2L	1874400005	<b>1.827,00</b>
3PF4 65-200/2,2R	1874400006	<b>2.095,00</b>
3PF4 65-200/2,2	1874400007	<b>2.095,00</b>
3PF4 65-200/3,0L	1874400008	<b>2.095,00</b>

Pumps supplied without counterflanges, see counterflanges kit on page 387  
Pumps available in AISI 316, see page 84

# 3LM(4) SERIES



## Centrifugal pumps in AISI 316 with normalized motor

Standardized centrifugal pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



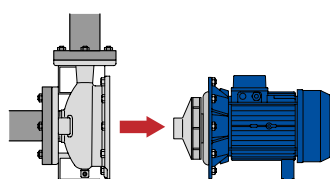
Volute obtained with hydro-forming process



High performances

## Materials

<b>Pump body</b>	- AISI 316L - AISI 316 microcasted steel for 3L SERIES 65-250 80-160/200/250
<b>Impeller</b>	- AISI 316L for 3L SERIES 32, 45, 50 - AISI 316 microcasted steel for 3L SERIES 65, 80
<b>Shaft</b>	AISI 316L stainless steel
<b>Mechanical seal</b>	SiC/SiC/FPM (standard)
<b>Motor support</b>	Aluminium - cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid</b>	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Single phase 230V ±10% Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

## Standard Motors

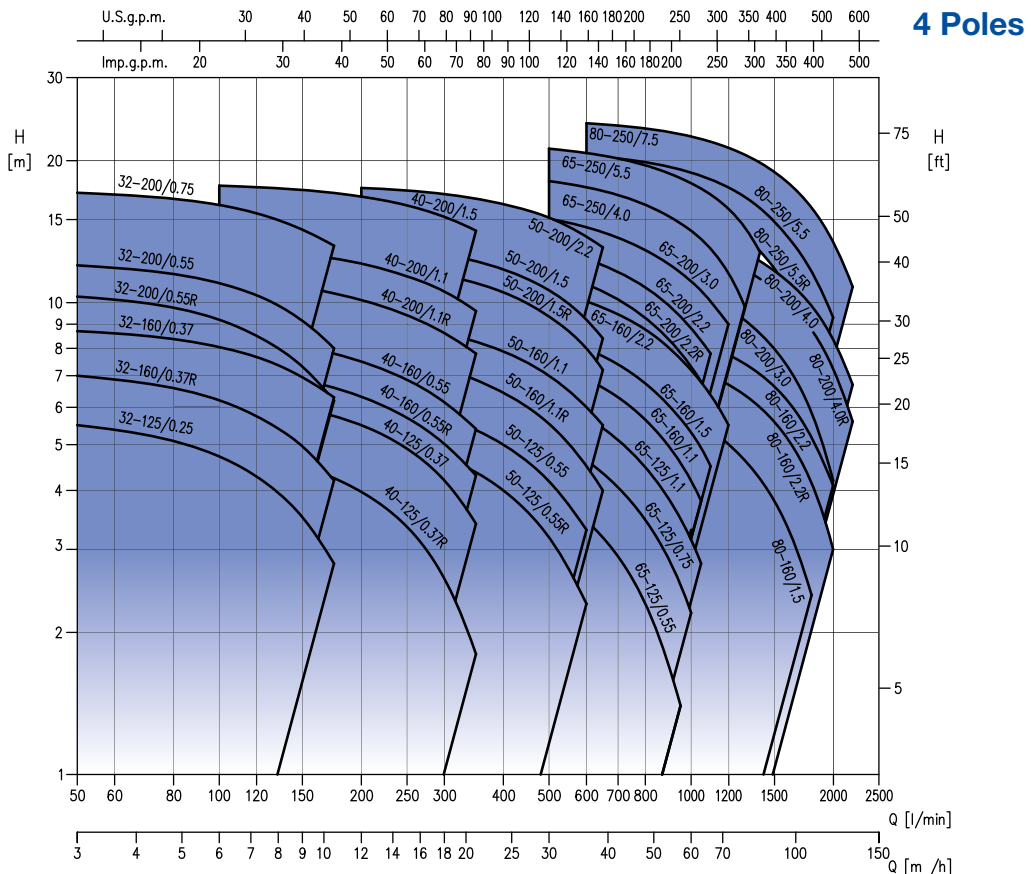
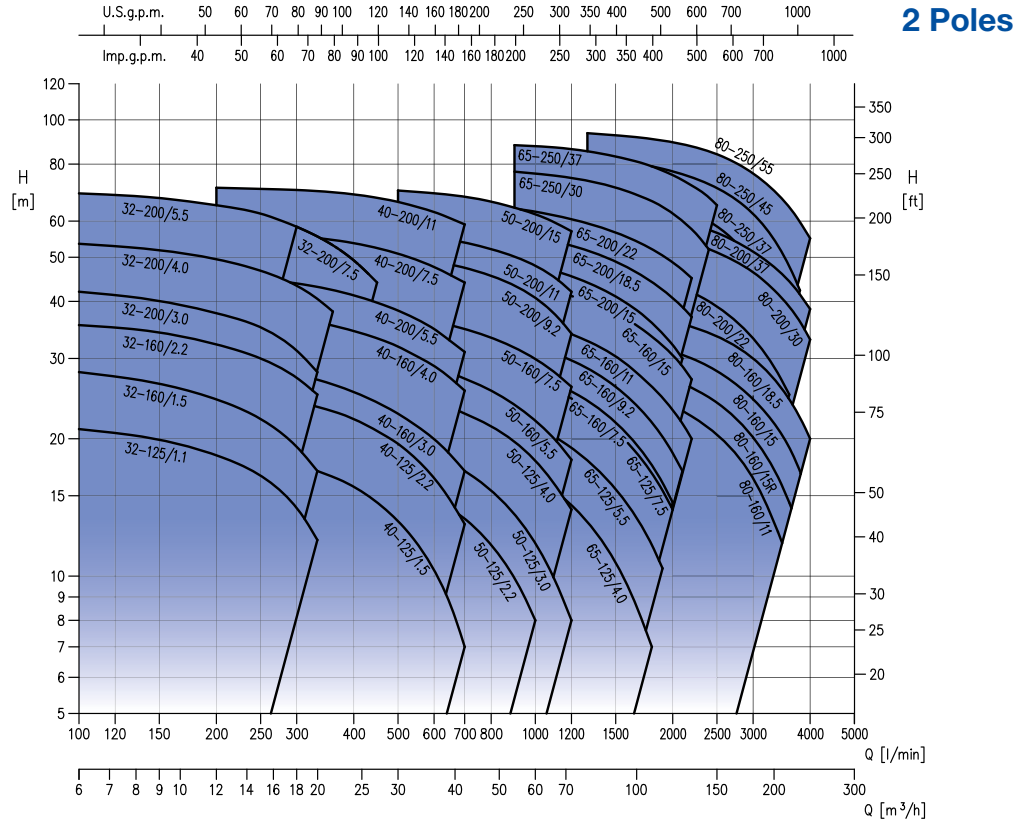
IEC Standard motor is used. This makes easier to find a replacement motor, in case of necessity

# 3LM(4) SERIES

Centrifugal pumps in AISI 316 with normalized motor



Single stage centrifugal pumps





# 3LM SERIES

Centrifugal pumps in AISI 316 with normalized motor



Single stage centrifugal pumps

Single phase 230V														2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	100	150	200	333	400	500	700	1000					
					m³/h	6	9	12	20	24	30	42	60					
H=Total head [m]																		
3LM 32-125/1,1M	1302200000	1.535,00	1,5	1,1		21,0	19,9	18,4	12,0	-	-	-	-	6,7	50	32	19,6	
3LM 32-160/1,5M	1302202400	1.385,00	2	1,5		28,0	26,5	24,5	17,0	-	-	-	-	9,6	50	32	22,5	
3LM 32-160/2,2M	1302300000	1.439,00	3	2,2		35,5	34,0	32,0	25,0	-	-	-	-	13,3	50	32	27,7	
3LM 40-125/1,5M	1322370000	1.408,00	2	1,5		-	-	19,0	17,0	15,7	13,2	7,0	-	9,6	65	40	20,1	
3LM 40-125/2,2M	1322270000	1.441,00	3	2,2		-	-	25,5	23,5	22,0	19,5	13,0	-	13,3	65	40	25,8	
3LM 50-125/2,2M	1332500000	1.438,00	3	2,2		-	-	-	-	17,5	16,3	13,4	8,0	13,3	65	50	29,4	

Pumps supplied without counterflanges, see counterflanges kit on page 387

Three phase 230/400/690V														2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]
					l/min	100	150	200	300	400	500	600	800	1000	230V	400V	690V			
					m³/h	6	9	12	18	24	30	36	48	60						
H=Total head [m]																				
3LM/I 32-125/1,1	1302200004I	1.213,00	1,5	1,1		21,0	19,9	18,4	14,1	-	-	-	-	5,8	3,3	-	50	32	24,1	
3LM/I 32-160/1,5	1302202404I	1.342,00	2	1,5		28,0	26,5	24,5	19,2	-	-	-	-	5,8	3,3	-	50	32	27,0	
3LM/I 32-160/2,2	1302300004I	1.394,00	3	2,2		35,5	34,0	32,0	27,0	-	-	-	-	8,2	4,7	-	50	32	28,0	
3LM/I 32-200/3,0	1312402404I	1.603,00	4	3		42,0	40,0	37,5	31,0	-	-	-	-	11,1	6,4	-	50	32	35,1	
3LM/I 32-200/4,0	1312550004I	1.861,00	5,5	4		53,5	52,0	49,5	43,5	-	-	-	-	15,1	8,7	-	50	32	38,2	
3LM/I 32-200/5,5	1312750006I	2.077,00	7,5	5,5		69,0	67,5	65,0	58,5	-	-	-	-	10,6	6,1	50	32	52,2		
3LM/I 32-200/7,5	1312900004I	2.252,00	10	7,5		69,0	67,5	65,0	58,5	49,0	-	-	-	13,6	7,9	50	32	60,1		
3LM/I 40-125/1,5	1322370004I	1.342,00	2	1,5		-	-	19,0	17,6	15,7	13,2	10,3	-	5,8	3,3	-	65	40	24,6	
3LM/I 40-125/2,2	1322270004I	1.363,00	3	2,2		-	-	25,5	24,0	22,0	19,5	16,4	-	8,2	4,7	-	65	40	26,1	
3LM/I 40-160/3,0	1322402404I	1.791,00	4	3		-	-	29,5	27,5	25,5	22,5	20,0	-	11,1	6,4	-	65	40	26,6	
3LM/I 40-160/4,0	1322550004I	2.025,00	5,5	4		-	-	38,5	37,0	34,5	32,0	29,0	-	15,1	8,7	-	65	40	40,8	
3LM/I 40-200/5,5	1332752404I	2.321,00	7,5	5,5		-	-	45,5	44,0	41,0	38,0	35,0	-	10,6	6,1	65	40	52,5		
3LM/I 40-200/7,5	1332900004I	2.600,00	10	7,5		-	-	57,0	55,5	53,5	51,0	47,5	-	13,6	7,9	65	40	59,3		
3LM/I 40-200/11,0	1332910006I	3.466,00	15	11		-	-	71,0	70,0	68,5	66,0	63,0	-	21,3	12,3	65	40	69,6		
3LM/I 50-125/2,2	1332500004I	1.401,00	3	2,2		-	-	-	-	17,5	16,3	14,9	11,7	8,2	4,7	-	65	50	32,0	
3LM/I 50-125/3,0	1332550004I	1.628,00	4	3		-	-	-	-	20,5	19,6	18,4	15,4	11,1	6,4	-	65	50	30,9	
3LM/I 50-125/4,0	1332400004I	1.696,00	5,5	4		-	-	-	-	26,0	25,0	24,0	21,5	15,1	8,7	-	65	50	40,9	
3LM/I 50-160/5,5	1332900006I	2.228,00	7,5	5,5		-	-	-	-	31,0	30,0	28,5	25,5	10,6	6,1	65	50	46,5		
3LM/I 50-160/7,5	1332890006I	2.597,00	10	7,5		-	-	-	-	38,5	37,5	36,0	33,5	13,6	7,9	65	50	58,6		
3LM/I 50-200/9,2	1332970006I	2.996,00	12,5	9,2		-	-	-	-	-	50,0	49,0	45,5	17,2	10	65	50	63,9		
3LM/I 50-200/11,0	1332960006I	3.290,00	15	11		-	-	-	-	-	56,0	55,0	52,0	21,3	12,3	65	50	69,6		
3LM/I 50-200/15,0	1332980006I	4.203,00	20	15		-	-	-	-	-	70,0	69,0	66,0	30,0	17,3	65	50	105,1		

Pumps supplied without counterflanges, see counterflanges kit on page 387

# 3LM SERIES

Centrifugal pumps in AISI 316 with normalized motor



Three phase 230/400/690V														2 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]	
					l/min	600	900	1500	1900	2200	2400	3000	3600	4000	230V	400V	690V				
					m <sup>3</sup> /h	36	54	90	114	132	144	180	216	240							
H=Total head [m]																					
3LM/I 65-125/4,0	1347120004I	<b>2.347,00</b>	5,5	4		19,8	17,3	11,0	6,3	-	-	-	-	-	-	15,1	8,7	-	80	65	37,7
3LM/I 65-125/5,5	1347130004I	<b>2.728,00</b>	7,5	5,5		-	22,2	15,7	10,8	-	-	-	-	-	-	-	10,6	6,1	80	65	48,7
3LM/I 65-125/7,5	1347140004I	<b>3.034,00</b>	10	7,5		-	27,8	21,1	16,1	12,0	-	-	-	-	-	-	13,6	7,9	80	65	52,1
3LM/I 65-160/7,5	1348140004I	<b>3.135,00</b>	10	7,5		-	28,6	22,5	17,1	-	-	-	-	-	-	-	13,6	7,9	80	65	55,3
3LM/I 65-160/9,2	1348150004I	<b>2.599,00</b>	12,5	9,2		-	32,8	26,5	21,1	16,8	-	-	-	-	-	-	17,2	10	80	65	61,0
3LM/I 65-160/11,0	1348160004I	<b>3.811,00</b>	15	11		-	37,1	30,9	25,8	21,5	-	-	-	-	-	-	21,3	12,3	80	65	67,4
3LM/I 65-160/15,0	1348170004I	<b>5.981,00</b>	20	15		-	44,0	37,8	32,6	28,0	-	-	-	-	-	-	27,7	17,3	80	65	107,1
3LM/I 65-200/15,0	1349170004I	<b>6.321,00</b>	20	15		-	49,0	41,5	35,3	30,0	-	-	-	-	-	-	27,7	17,3	80	65	110,1
3LM/I 65-200/18,5	1349180004I	<b>6.706,00</b>	25	18,5		-	56,5	49,0	43,0	38,0	-	-	-	-	-	-	35,0	20,3	80	65	125,3
3LM/I 65-200/22,0	1349190004I	<b>7.044,00</b>	30	22		-	64,0	57,0	51,0	46,5	-	-	-	-	-	-	39,7	23,6	80	65	136,1
3LM/I 80-160/11,0	1393160104I	<b>6.122,00</b>	15	11		-	-	26,4	24,2	22,4	21,1	16,4	-	-	-	-	21,3	12,3	100	80	100,0
3LM/I 80-160/15R	1393260104I	<b>7.414,00</b>	20	15		-	-	29,7	27,7	25,9	24,6	20,1	14,5	-	-	-	27,7	17,3	100	80	130,1
3LM/I 80-160/15,0	1393170104I	<b>7.414,00</b>	20	15		-	-	33,3	31,5	30,0	28,8	24,4	19,1	-	-	-	27,7	17,3	100	80	131,1
3LM/I 80-160/18,5	1393180104I	<b>7.604,00</b>	25	18,5		-	-	38,4	36,7	35,2	34,1	30,0	24,4	20,0	-	-	35,0	20,3	100	80	145,3

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 3 65-250 SERIES and 3 80 SERIES in microcasted steel  
 "SCA" version with drain plug available with a 5% increase on the price list.



# 3LS(4) SERIES



## Centrifugal pumps in AISI 316 with normalized motor and rigid coupling

Standardized centrifugal pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



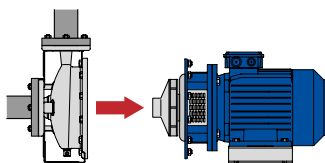
Volute obtained with hydro-forming process



High performances

## Materials

<b>Pump body</b>	- AISI 316L - AISI 316 microcasted steel for 3L SERIES 65-250, 80-160/200/250
<b>Impeller</b>	- AISI 316L for 3L SERIES 32, 45, 50 - AISI 316 microcasted steel for 3L SERIES 65, 80
<b>Shaft</b>	- AISI 316L stainless steel - Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250
<b>Mechanical seal</b>	SiC/SiC/FPM (standard)
<b>Motor support</b>	Aluminium - cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid</b>	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - **Galvanized, AISI 304 and AISI 316 counterflanges kit**



### Control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA60/C - Smart - QT1 - QS1

## Options



### Mechanical seal

Page 389 - **H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG**

## Standard Motors

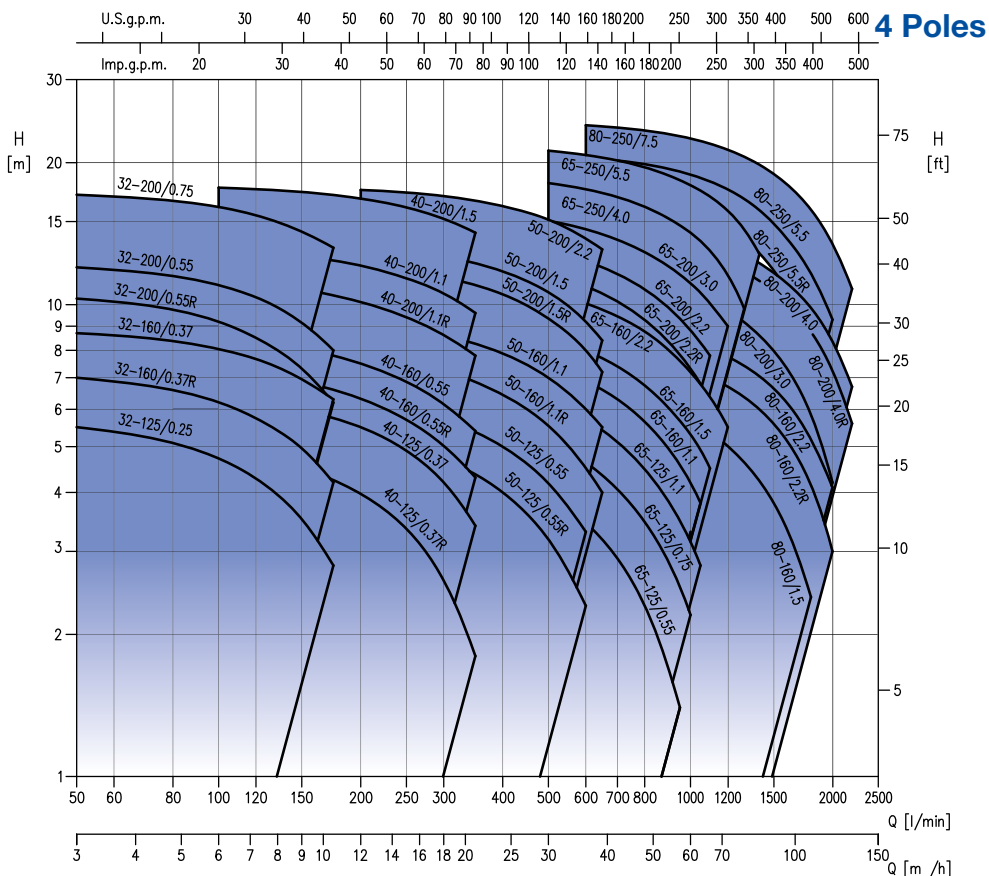
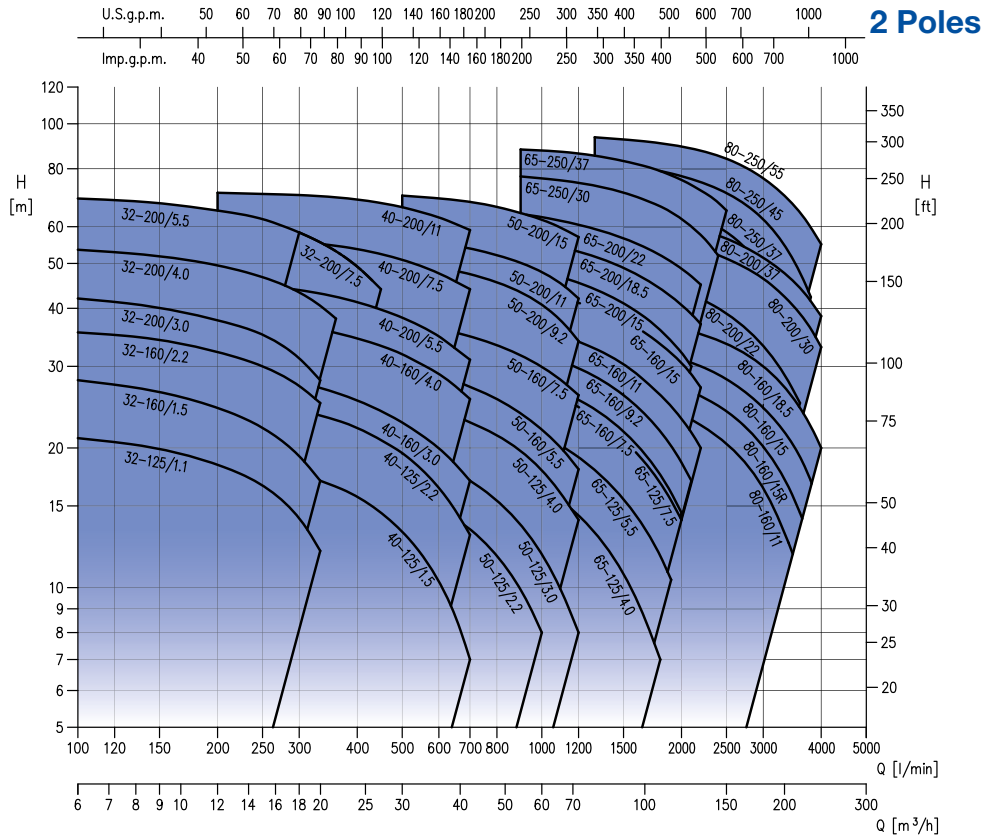
IEC Standard motor is used.

This makes easier to find a replacement motor, in case of necessity



# 3LS(4) SERIES

Centrifugal pumps in AISI 316 with normalized motor and rigid coupling



Single stage centrifugal pumps

# 3LS SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling

Single stage centrifugal pumps

Three phase 230/400/690V																	2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]
					l/min	100	200	300	360	450	600	700	800	1000	1200	[A]						
					m3/h	6	12	18	22	27	36	42	48	60	72	230V	400V	690V				
H=Total head [m]																						
3LS/I 32-125/1,1	1307200004I	<b>1.349,00</b>	1,5	1,1		21,0	18,4	14,1	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	24,7
3LS/I 32-160/1,5	1307202404I	<b>1.388,00</b>	2	1,5		28,0	24,5	19,2	-	-	-	-	-	-	-	-	5,2	3	-	50	32	29,8
3LS/I 32-160/2,2	1307300004I	<b>1.483,00</b>	3	2,2		35,5	32,0	27,0	-	-	-	-	-	-	-	-	8	4,6	-	50	32	32,4
3LS/I 32-200/3,0	1317402404I	<b>1.697,00</b>	4	3		42,0	37,5	31,0	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	46,9
3LS/I 32-200/4,0	1317550004I	<b>1.854,00</b>	5,5	4		53,5	49,5	43,5	38,0	-	-	-	-	-	-	-	12,1	7	-	50	32	49,0
3LS/I 32-200/5,5	1317750006I	<b>2.177,00</b>	7,5	5,5		69,0	65,0	58,5	-	-	-	-	-	-	-	-	-	10	5,8	50	32	71,8
3LS/I 32-200/7,5	1317750004I	<b>2.312,00</b>	10	7,5		69,0	65,0	58,5	53,0	44,0	-	-	-	-	-	-	-	13,1	7,6	50	32	87,0
3LS/I 40-125/1,5	1327370004I	<b>1.372,00</b>	2	1,5		-	19,0	17,6	16,5	14,5	10,3	7,0	-	-	-	-	5,2	3	-	65	40	26,5
3LS/I 40-125/2,2	1327270004I	<b>1.429,00</b>	3	2,2		-	25,5	24,0	23,0	21,0	16,4	13,0	-	-	-	-	8,0	4,6	-	65	40	29,6
3LS/I 40-160/3,0	1327402404I	<b>1.792,00</b>	4	3		-	29,5	27,5	26,5	24,0	20,0	17,0	-	-	-	-	9,7	5,6	-	65	40	42,5
3LS/I 40-160/4,0	1327550004I	<b>1.894,00</b>	5,5	4		-	38,5	37,0	35,5	33,0	29,0	25,5	-	-	-	-	12,1	7	-	65	40	44,6
3LS/I 40-200/5,5	1337752404I	<b>2.178,00</b>	7,5	5,5		-	45,5	44,0	42,5	39,5	35,0	31,0	-	-	-	-	-	10	5,8	65	40	72,2
3LS/I 40-200/7,5	1337900004I	<b>2.485,00</b>	10	7,5		-	57,0	55,5	54,5	52,5	47,5	44,0	-	-	-	-	-	13,1	7,6	65	40	82,0
3LS/I 40-200/11,0	1337910006I	<b>3.552,00</b>	15	11		-	71,0	70,0	69,5	67,5	63,0	59,0	-	-	-	-	-	19,7	11,4	65	40	117,8
3LS/I 50-125/2,2	1337200004I	<b>1.555,00</b>	3	2,2		-	-	-	-	17,0	14,9	13,4	11,7	8,0	-	-	8,0	4,6	-	65	50	32,9
3LS/I 50-125/3,0	1337550004I	<b>1.737,00</b>	4	3		-	-	-	-	20,0	18,4	17,0	15,4	11,8	8,0	-	9,7	5,6	-	65	50	35,5
3LS/I 50-125/4,0	1337400004I	<b>1.817,00</b>	5,5	4		-	-	-	-	25,5	24,0	22,5	21,5	17,9	14,0	-	12,1	7	-	65	50	45,6
3LS/I 50-160/5,5	1337900006I	<b>2.105,00</b>	7,5	5,5		-	-	-	-	30,5	28,5	27,0	25,5	22,0	18,0	-	-	10	5,8	65	50	63,8
3LS/I 50-160/7,5	1337890006I	<b>2.183,00</b>	10	7,5		-	-	-	-	38,0	36,0	35,0	33,5	30,0	26,0	-	-	13,1	7,6	65	50	91,0
3LS/I 50-200/9,2	1337970006I	<b>3.181,00</b>	12,5	9,2		-	-	-	-	-	49,0	47,5	45,5	40,5	34,0	-	-	16,5	9,5	65	50	90,7
3LS/I 50-200/11,0	1337960006I	<b>3.386,00</b>	15	11		-	-	-	-	-	55,0	54,0	52,0	48,0	42,0	-	-	19,7	11,4	65	50	117,8
3LS/I 50-200/15,0	1337980006I	<b>4.242,00</b>	20	15		-	-	-	-	-	69,0	68,0	66,0	62,0	57,0	-	-	26,7	15,4	65	50	147,9

Pumps supplied without counterflanges, see counterflanges kit on page 387

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

# 3LS SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling

Three phase 230/400/690V															2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]
					l/min	600	900	1500	1900	2200	2400	3000	3600	4000	[A]					
					m³/h	36	54	90	114	132	144	180	216	240	230V	400V	690V			
H=Total head [m]																				
3LS/I 65-125/4,0	1365120004I	<b>2.242,00</b>	5,5	4		19,8	17,3	11,0	6,3	-	-	-	-	-	12,1	7	-	80	65	50,1
3LS/I 65-125/5,5	1365130004I	<b>2.399,00</b>	7,5	5,5		-	22,2	15,7	10,8	-	-	-	-	-	-	10	5,8	80	65	60,0
3LS/I 65-125/7,5	1365140004I	<b>2.738,00</b>	10	7,5		-	27,8	21,1	16,1	12,0	-	-	-	-	-	13,1	7,6	80	65	79,4
3LS/I 65-160/7,5	1366140004I	<b>2.846,00</b>	10	7,5		-	28,6	22,5	17,1	-	-	-	-	-	-	13,1	7,6	80	65	82,4
3LS/I 65-160/9,2	1366150004I	<b>3.178,00</b>	12,5	9,2		-	32,8	26,5	21,1	16,8	-	-	-	-	-	16,5	9,5	80	65	88,0
3LS/I 65-160/11	1366160004I	<b>3.790,00</b>	15	11		-	37,1	30,9	25,8	21,5	-	-	-	-	-	19,7	11,4	80	65	86,8
3LS/I 65-160/15	1366170004I	<b>4.172,00</b>	20	15		-	44,0	37,8	32,6	28,0	-	-	-	-	-	26,7	15,4	80	65	120,9
3LS/I 65-200/15	1367170004I	<b>4.467,00</b>	20	15		-	49,0	41,5	35,3	30,0	-	-	-	-	-	26,7	15,4	80	65	138,0
3LS/I 65-200/18,5	1367180004I	<b>5.265,00</b>	25	18,5		-	56,5	49,0	43,0	38,0	-	-	-	-	-	33	19,1	80	65	137,0
3LS/I 65-200/22	1367190004I	<b>6.064,00</b>	30	22		-	64,0	57,0	51,0	46,5	-	-	-	-	-	38	22	80	65	175,0
3LS/I 65-250/30	1395200104I	<b>7.351,00</b>	40	30		-	77,0	71,0	64,5	57,5	52,0	-	-	-	-	51,8	30	80	65	303,0
3LS/I 65-250/37	1395250104I	<b>8.400,00</b>	50	37		-	88,0	83,0	77,5	72,0	67,5	-	-	-	-	62,5	36	80	65	320,0
3LS/I 80-160/11	1396160104I	<b>4.125,00</b>	15	11		-	-	26,4	24,2	22,4	21,1	16,4	-	-	-	19,7	11,4	100	80	145,8
3LS/I 80-160/15R	1396150104I	<b>4.650,00</b>	20	15		-	-	29,7	27,7	25,9	24,6	20,1	14,5	-	-	26,7	15,4	100	80	157,0
3LS/I 80-160/15	1396170104I	<b>4.650,00</b>	20	15		-	-	33,3	31,5	30,0	28,8	24,4	19,1	-	-	26,7	15,4	100	80	157,0
3LS/I 80-160/18,5	1396180104I	<b>5.186,00</b>	25	18,5		-	-	38,4	36,7	35,2	34,1	30,0	24,4	20,0	-	33	19,1	100	80	151,2
3LS/I 80-200/22	1397190104I	<b>6.113,00</b>	30	22		-	-	47,0	44,5	42,0	40,0	33,2	25,0	-	-	38	22	100	80	207,0
3LS/I 80-200/30	1397200104I	<b>6.950,00</b>	40	30		-	-	58,0	56,0	54,0	52,0	46,5	39,0	33,0	-	51,8	30	100	80	306,0
3LS/I 80-200/37	1397250104I	<b>7.840,00</b>	50	37		-	-	63,0	61,0	59,0	57,5	51,5	44,5	38,5	-	62,5	36	100	80	325,0
3LS/I 80-250/37	1398250104I	<b>8.190,00</b>	50	37		-	-	70,5	66,5	63,0	60,0	48,5	-	-	-	62,5	36	100	80	335,0
3LS/I 80-250/45	1398300104I	<b>9.308,00</b>	60	45		-	-	81,5	78,0	75,0	72,5	62,0	48,0	-	-	74,5	43	100	80	401,0
3LS/I 80-250/55	1398350104I	<b>10.679,00</b>	75	55		-	-	92,5	90,0	87,5	85,5	76,5	64,5	55,0	-	93,5	54	100	80	489,0

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.  
 3 SERIES 65-250 and 3 SERIES 80 in microcasted steel  
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

Single stage centrifugal pumps

# 3LS4 SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling (4 poles)

Single stage centrifugal pumps

Three phase 230/400/690V																4 Poles															
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]												
					I/min	50	100	150	200	250	300	350	400	500	650	[A]				230V	400V										
					m³/h	3	6	9	12	15	18	21	24	30	39																
																H=Total head [m]															
3LS4 32-125/0,25	1277010004	<b>1.250,00</b>	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,6	0,9	50	32	15,4										
3LS4 32-160/0,37R	1277020104	<b>1.298,00</b>	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,5										
3LS4 32-160/0,37	1277020004	<b>1.298,00</b>	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,7										
3LS4 32-200/0,55R	1277030104	<b>1.409,00</b>	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,8	1,6	50	32	28,0										
3LS4 32-200/0,55	1277030004	<b>1.409,00</b>	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,8	1,6	50	32	33,0										
3LS4/I 32-200/0,75	1277050004I	<b>1.659,00</b>	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	3,1	1,8	50	32	29,5										
3LS4 40-125/0,37R	1287020104	<b>1.295,00</b>	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	2,1	1,2	65	40	16,2										
3LS4 40-125/0,37	1287020004	<b>1.295,00</b>	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	2,1	1,2	65	40	16,2										
3LS4 40-160/0,55R	1287030104	<b>1.383,00</b>	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,8	1,6	65	40	23,5										
3LS4 40-160/0,55	1287030004	<b>1.383,00</b>	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,8	1,6	65	40	23,5										
3LS4/I 40-200/1,1R	1287070104I	<b>2.449,00</b>	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,3	2,5	65	40	32,1										
3LS4/I 40-200/1,1	1287070004I	<b>2.449,00</b>	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,3	2,5	65	40	32,1										
3LS4/I 40-200/1,5	1287080004I	<b>2.549,00</b>	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	32,9										
3LS4 50-125/0,55R	1297030104	<b>1.397,00</b>	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,8	1,6	65	50	23,7										
3LS4 50-125/0,55	1297030004	<b>1.397,00</b>	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,8	1,6	65	50	23,7										
3LS4/I 50-160/1,1R	1297070104I	<b>1.724,00</b>	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,3	2,5	65	50	31,8										
3LS4/I 50-160/1,1	1297070004I	<b>1.724,00</b>	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,3	2,5	65	50	31,8										
3LS4/I 50-200/1,5R	1297080104I	<b>1.926,00</b>	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	34,5										
3LS4/I 50-200/1,5	1297080004I	<b>1.926,00</b>	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	34,5										
3LS4/I 50-200/2,2	1297100004I	<b>2.532,00</b>	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	10,2	5,9	65	50	43,4										

Pumps supplied without counterflanges, see counterflanges kit on page 387

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request



# 3LS4 SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling (4 poles)

Three phase 230/400/690V															4 Poles								
Model	Code	£ Stg	HP	kW	Flow													Abs. Curr. [A]			DNA	DNM	Weight [kg]
					l/min	300	350	500	600	800	1000	1200	1400	1800	2200	230V	400V	690V					
					m³/h	18	21	30	36	48	60	72	84	108	132								
3LS4 65-125/0,55	1351330004	<b>1.802,00</b>	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	2,8	1,6	-	80	65	21,5		
3LS4/I 65-125/0,75	1351340004I	<b>1.891,00</b>	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	3,1	1,8	-	80	65	30,0		
3LS4/I 65-125/1,1	1351370004I	<b>1.939,00</b>	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	-	-	-	-	4,3	2,5	-	80	65	27,8		
3LS4/I 65-160/1,1	1352370004I	<b>2.029,00</b>	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	-	-	-	-	4,3	2,5	-	80	65	28,8		
3LS4/I 65-160/1,5	1352380004I	<b>2.056,00</b>	2	1,5		-	9,2	8,5	8,0	6,7	5,3	-	-	-	-	6,2	3,6	-	80	65	40,4		
3LS4/I 65-160/2,2	1352400004I	<b>2.255,00</b>	3	2,2		-	11,3	10,6	10,1	8,8	7,2	5,5	-	-	-	10,2	5,9	-	80	65	46,4		
3LS4/I 65-200/2,2R	1353400104I	<b>2.665,00</b>	3	2,2		-	12,4	11,6	10,9	9,3	7,3	-	-	-	-	10,2	5,9	-	80	65	42,9		
3LS4/I 65-200/2,2	1353400004I	<b>2.665,00</b>	3	2,2		-	13,9	13,0	12,4	10,8	8,8	-	-	-	-	10,2	5,9	-	80	65	43,4		
3LS4/I 65-200/3,0	1353420004I	<b>2.870,00</b>	4	3		-	15,8	15,1	14,4	12,9	11,1	9,0	-	-	-	11,8	6,8	-	80	65	48,5		
3LS4/I 65-250/4,0	1395120104I	<b>3.716,00</b>	5,5	4		-	-	18,1	17,6	16,1	14,2	11,6	-	-	-	14,2	8,2	-	80	65	90,6		
3LS4/I 65-250/5,5	1395130104I	<b>3.716,00</b>	7,5	5,5		-	-	21,2	20,8	19,6	17,9	15,8	12,8	-	-	10,6	6,1	100	80	118,0			
3LS4/I 80-160/1,5	1396080104I	<b>3.519,00</b>	2	1,5		-	-	-	6,8	6,3	5,7	5,0	4,2	2,4	-	6,2	3,6	-	100	80	57,9		
3LS4/I 80-160/2,2R	1396900104I	<b>3.619,00</b>	3	2,2		-	-	-	8,1	7,8	7,3	6,7	6,0	4,2	-	10,2	5,9	-	100	80	70,1		
3LS4/I 80-160/2,2	1396100104I	<b>3.619,00</b>	3	2,2		-	-	-	9,1	8,8	8,3	7,8	7,1	5,2	-	10,2	5,9	-	100	80	70,4		
3LS4/I 80-200/3,0	1397110104I	<b>3.989,00</b>	4	3		-	-	-	12,0	11,5	10,7	9,7	8,6	5,9	-	11,8	6,8	-	100	80	80,0		
3LS4/I 80-200/4R	1397130104I	<b>4.834,00</b>	5,5	4		-	-	-	14,4	13,9	13,2	12,2	11,2	8,8	5,6	14,2	8,2	-	100	80	89,6		
3LS4/I 80-200/4,0	1397120104I	<b>4.834,00</b>	5,5	4		-	-	-	15,4	14,9	14,1	13,2	12,3	9,9	6,7	14,2	8,2	-	100	80	95,6		
3LS4/I 80-250/5,5R	1398900104I	<b>5.540,00</b>	7,5	5,5		-	-	-	17,7	17,0	16,0	14,6	12,9	8,4	-	10,6	6,1	100	80	124,0			
3LS4/I 80-250/5,5	1398130104I	<b>5.608,00</b>	7,5	5,5		-	-	-	20,5	19,9	18,9	17,6	15,9	11,7	-	10,6	6,1	100	80	125,0			
3LS4/I 80-250/7,5	1398140104I	<b>5.727,00</b>	10	7,5		-	-	-	24,0	23,4	22,5	21,3	19,8	15,9	10,8	15,3	8,8	100	80	134,0			

Pumps supplied without counterflanges, see counterflanges kit on page 387

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

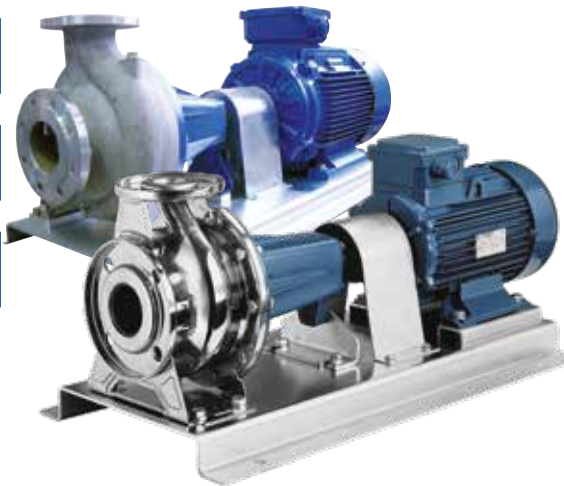
Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

# 3LP(4) SERIES



## Centrifugal pumps in AISI 316 on base with Standardized motor and flexible coupling

Standardized centrifugal pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



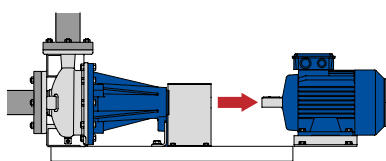
Volute obtained with hydro-forming process



High performances

## Materials

<b>Pump body</b>	- AISI 316L - AISI 316 microcasted steel for 3L SERIES 65-250, 80-160/200/250
<b>Impeller</b>	- AISI 316L for 3L SERIES 32, 45, 50 - AISI 316 microcasted steel for 3L SERIES 65, 80
<b>Shaft</b>	- AISI 316L stainless steel - Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250
<b>Mechanical seal</b>	SiC/SiC/FPM (standard)
<b>Motor support</b>	Aluminium - cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid</b>	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA60/C - Smart - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

## Standard Motors

IEC Standard motor is used.

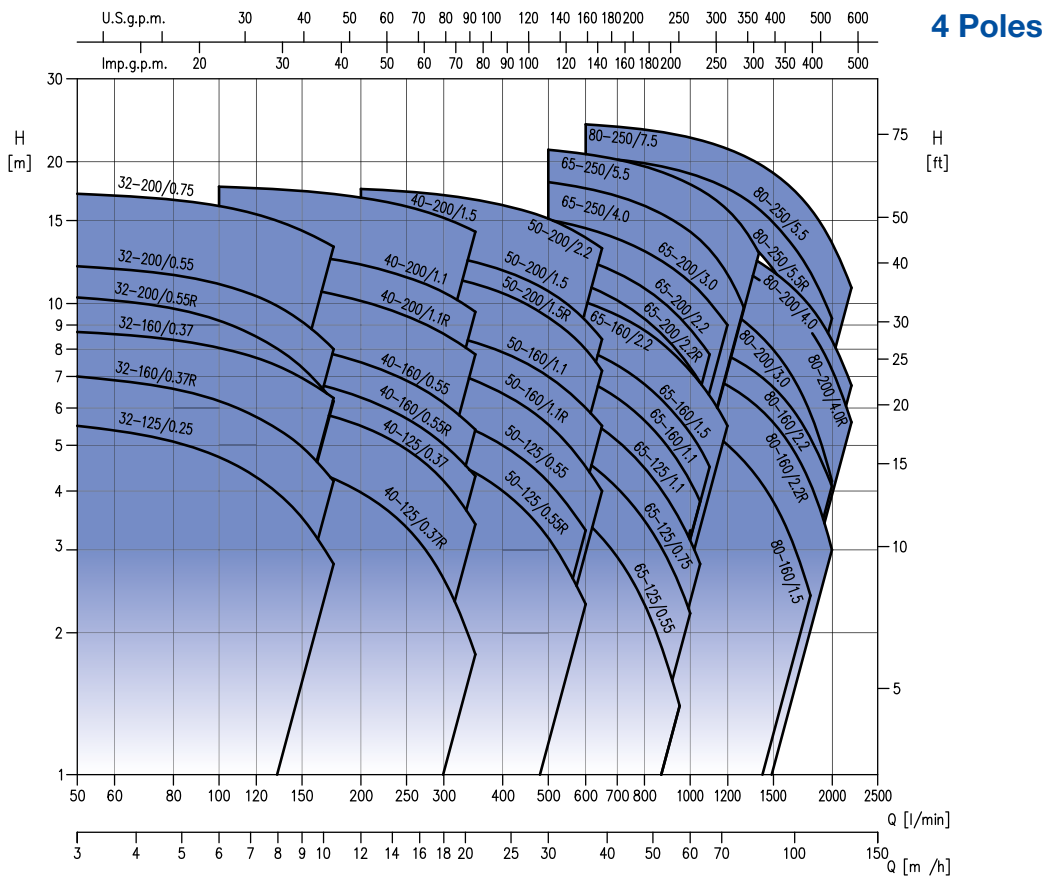
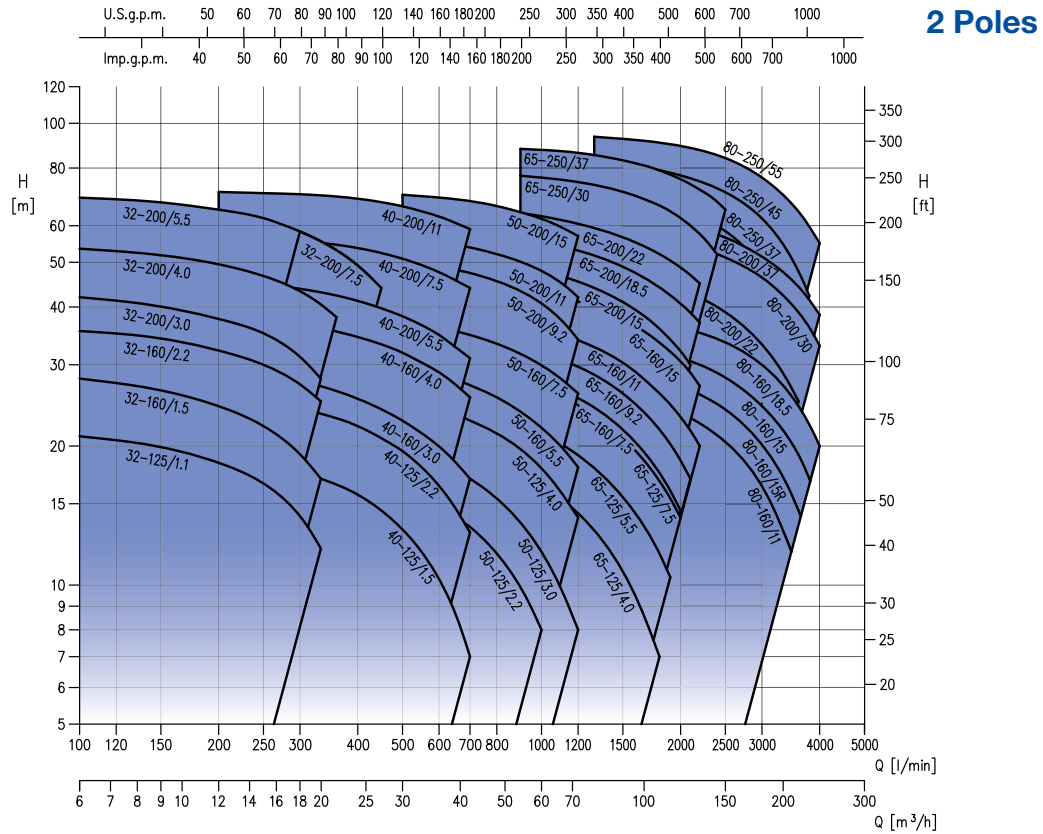
This makes easier to find a replacement motor, in case of necessity

# 3LP(4) SERIES

Centrifugal pumps in AISI 316 on base with Standardized motor and flexible coupling



Single stage centrifugal pumps



# 3LP SERIES



Centrifugal pumps in AISI 316 on base with Standardized motor and flexible coupling

Single stage centrifugal pumps

Three phase 230/400/690V														2 Poles									
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
					l/min	100	200	300	360	450	600	700	800	1000	1200	[A]							
					m <sup>3</sup> /h	6	12	18	22	27	36	42	48	60	72	230V	400V	690V					
H=Total head [m]																							
3LP/ 32-125/1,1	1843070004I	<b>2.487,00</b>	1,5	1,1	-	21,0	18,4	14,1	-	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	46,7
3LP/ 32-160/1,5	1843080004I	<b>2.699,00</b>	2	1,5	-	28,0	24,5	19,2	-	-	-	-	-	-	-	-	-	5,2	3	-	50	32	52,3
3LP/ 32-160/2,2	1843100004I	<b>2.749,00</b>	3	2,2	-	35,5	32,0	27,0	-	-	-	-	-	-	-	-	-	8	4,6	-	50	32	53,5
3LP/ 32-200/3,0	1843110004I	<b>3.220,00</b>	4	3	-	42,0	37,5	31,0	-	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	71,5
3LP/ 32-200/4,0	1843120004I	<b>3.270,00</b>	5,5	4	-	53,5	49,5	43,5	38,0	-	-	-	-	-	-	-	-	12,1	7	-	50	32	75,1
3LP/ 32-200/5,5	1843130004I	<b>3.966,00</b>	7,5	5,5	-	69,0	65,0	58,5	-	-	-	-	-	-	-	-	-	-	10	5,8	50	32	97,0
3LP/ 32-200/7,5	1843140004I	<b>4.174,00</b>	10	7,5	-	69,0	65,0	58,5	53,0	44,0	-	-	-	-	-	-	-	-	13,1	7,6	50	32	112,2
3LP/ 40-125/1,5	1853080004I	<b>2.930,00</b>	2	1,5	-	-	19,0	17,6	16,5	14,5	10,3	7,0	-	-	-	-	-	5,2	3,0	-	65	40	49,8
3LP/ 40-125/2,2	1853100004I	<b>3.008,00</b>	3	2,2	-	-	25,5	24,0	23,0	21,0	16,4	13,0	-	-	-	-	-	8	4,6	-	65	40	51,0
3LP/ 40-160/3,0	1853110004I	<b>3.116,00</b>	4	3	-	-	29,5	27,5	26,5	24,0	20,0	17,0	-	-	-	-	-	9,7	5,6	-	65	40	81,0
3LP/ 40-160/4,0	1853120004I	<b>3.180,00</b>	5,5	4	-	-	38,5	37,0	35,5	33,0	29,0	25,5	-	-	-	-	-	12,1	7	-	65	40	67,6
3LP/ 40-200/5,5	1853130004I	<b>4.271,00</b>	7,5	5,5	-	-	45,5	44,0	42,5	39,5	35,0	31,0	-	-	-	-	-	-	10	5,8	65	40	98,0
3LP/ 40-200/7,5	1853140004I	<b>4.454,00</b>	10	7,5	-	-	57,0	55,5	54,5	52,5	47,5	44,0	-	-	-	-	-	-	13,1	7,6	65	40	106,9
3LP/ 40-200/11,0	1853160004I	<b>5.056,00</b>	15	11	-	-	71,0	70,0	69,5	67,5	63,0	59,0	-	-	-	-	-	-	19,7	11,4	65	40	127,8
3LP/ 50-125/2,2	1863090004I	<b>2.892,00</b>	3	2,2	-	-	-	-	-	17,0	14,9	13,4	11,7	8,0	-	-	-	8	4,6	-	65	50	75,0
3LP/ 50-125/3,0	1863110004I	<b>2.967,00</b>	4	3	-	-	-	-	-	20,0	18,4	17,0	15,4	11,8	8,0	-	-	9,7	5,6	-	65	50	82,5
3LP/ 50-125/4,0	1863120004I	<b>3.145,00</b>	5,5	4	-	-	-	-	-	25,5	24,0	22,5	21,5	17,9	14,0	-	-	12,1	7	-	65	50	84,6
3LP/ 50-160/5,5	1863130004I	<b>4.121,00</b>	7,5	5,5	-	-	-	-	-	30,5	28,5	27,0	25,5	22,0	18,0	-	-	-	10	5,8	65	50	84,6
3LP/ 50-160/7,5	1863140004I	<b>4.305,00</b>	10	7,5	-	-	-	-	-	38,0	36,0	35,0	33,5	30,0	26,0	-	-	-	13,1	7,6	65	50	106,9
3LP/ 50-200/9,2	1863150004I	<b>4.361,00</b>	12,5	9,2	-	-	-	-	-	-	49,0	47,5	45,5	40,5	34,0	-	-	-	16,5	9,5	65	50	111,0
3LP/ 50-200/11,0	1863160004I	<b>4.843,00</b>	15	11	-	-	-	-	-	-	55,0	54,0	52,0	48,0	42,0	-	-	-	19,7	11,4	65	50	128,3
3LP/ 50-200/15,0	1863170004I	<b>5.327,00</b>	20	15	-	-	-	-	-	-	69,0	68,0	66,0	62,0	57,0	-	-	-	26,7	15,4	65	50	135,4

Pumps supplied without counterflanges, see counterflanges kit on page 387





# 3LP SERIES



Centrifugal pumps in AISI 316 on base with Standardized motor and flexible coupling

Three phase 230/400/690V															2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]	
					l/min	600	900	1500	1900	2200	2400	3000	3600	4000	[A]						
					m³/h	36	54	90	114	132	144	180	216	240	230V	400V	690V				
H=Total head [m]																					
3LP/I 65-125/4,0	1874120004I	<b>3.400,00</b>	5,5	4		19,8	17,3	11,0	6,3	-	-	-	-	-	-	12,1	7	-	80	65	50,1
3LP/I 65-125/5,5	1874130004I	<b>4.222,00</b>	7,5	5,5		-	22,2	15,7	10,8	-	-	-	-	-	-	-	10	5,8	80	65	60
3LP/I 65-125/7,5	1874140004I	<b>4.430,00</b>	10	7,5		-	27,8	21,1	16,1	12,0	-	-	-	-	-	-	13,1	7,6	80	65	79,4
3LP/I 65-160/7,5	1874240004I	<b>4.644,00</b>	10	7,5		-	28,6	22,5	17,1	-	-	-	-	-	-	-	13,1	7,6	80	65	82,4
3LP/I 65-160/9,2	1874150004I	<b>4.701,00</b>	12,5	9,2		-	32,8	26,5	21,1	16,8	-	-	-	-	-	-	16,5	9,5	80	65	88
3LP/I 65-160/11	1874160004I	<b>5.089,00</b>	15	11		-	37,1	30,9	25,8	21,5	-	-	-	-	-	-	19,7	11,4	80	65	86,8
3LP/I 65-160/15	1874170004I	<b>5.628,00</b>	20	15		-	44,0	37,8	32,6	28,0	-	-	-	-	-	-	26,7	15,4	80	65	120,9
3LP/I 65-200/15	1874270004I	<b>5.891,00</b>	20	15		-	49,0	41,5	35,3	30,0	-	-	-	-	-	-	26,7	15,4	80	65	138
3LP/I 65-200/18,5	1874180004I	<b>6.598,00</b>	25	18,5		-	56,5	49,0	43,0	38,0	-	-	-	-	-	-	33	19,1	80	65	137
3LP/I 65-200/22	1874190004I	<b>6.957,00</b>	30	22		-	64,0	57,0	51,0	46,5	-	-	-	-	-	-	38	22	80	65	175
3LP/I 65-250/30	1402200104I	<b>10.176,00</b>	40	30		-	77,0	71,0	64,5	57,5	52,0	-	-	-	-	-	51,8	30	80	65	303
3LP/I 65-250/37	1402250104I	<b>11.331,00</b>	50	37		-	88,0	83,0	77,5	72,0	67,5	-	-	-	-	-	62,5	36	80	65	320
3LP/I 80-160/11	1403160104I	<b>7.158,00</b>	15	11		-	-	26,4	24,2	22,4	21,1	16,4	-	-	-	-	19,7	11,4	100	80	145,8
3LP/I 80-160/15 R	1403140104I	<b>7.513,00</b>	20	15		-	-	29,7	27,7	25,9	24,6	20,1	14,5	-	-	-	26,7	15,4	100	80	157
3LP/I 80-160/15	1403170104I	<b>7.513,00</b>	20	15		-	-	33,3	31,5	30,0	28,8	24,4	19,1	-	-	-	26,7	15,4	100	80	157
3LP/I 80-160/18,5	1403180104I	<b>8.191,00</b>	25	18,5		-	-	38,4	36,7	35,2	34,1	30,0	24,4	20,0	-	-	33	19,1	100	80	151,2
3LP/I 80-200/22	1404190104I	<b>10.166,00</b>	30	22		-	-	47,0	44,5	42,0	40,0	33,2	25,0	-	-	-	38	22	100	80	207
3LP/I 80-200/30	1404200104I	<b>10.742,00</b>	40	30		-	-	58,0	56,0	54,0	52,0	46,5	39,0	33,0	-	-	51,8	30	100	80	306
3LP/I 80-200/37	1404250104I	<b>11.781,00</b>	50	37		-	-	63,0	61,0	59,0	57,5	51,5	44,5	38,5	-	-	62,5	36	100	80	325
3LP/I 80-250/37	1405250104I	<b>12.220,00</b>	50	37		-	-	70,5	66,5	63,0	60,0	48,5	-	-	-	-	62,5	36	100	80	335
3LP/I 80-250/45	1405300104I	<b>13.586,00</b>	60	45		-	-	81,5	78,0	75,0	72,5	62,0	48,0	-	-	-	74,5	43	100	80	401
3LP/I 80-250/55	1405550104I	<b>15.597,00</b>	75	55		-	-	92,5	90,0	87,5	85,5	76,5	64,5	55,0	-	-	93,5	54	100	80	489

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

Single stage centrifugal pumps

# 3LP4 SERIES



Centrifugal pumps in AISI 316 on base with Standardized motor and flexible coupling (4 poles)

Three phase 230/400/690V															4 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate													Abs. Curr.		DNA	DNM	Weight [kg]
					l/min m³/h	50	100	150	200	250	300	350	400	500	650	230V	400V					
						3	6	9	12	15	18	21	24	30	39							
H=Total head [m]																						
3LP4 32-125/0,25	1843010004	<b>2.413,00</b>	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,6	0,9	50	32	37,0	
3LP4 32-160/0,37R	1844020004	<b>2.462,00</b>	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0	
3LP4 32-160/0,37	1843020004	<b>2.462,00</b>	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0	
3LP4 32-200/0,55R	1844030004	<b>2.704,00</b>	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5	
3LP4 32-200/0,55	1843030004	<b>2.704,00</b>	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5	
3LP4/I 32-200/0,75	1843050004I	<b>2.907,00</b>	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	3,1	1,8	50	32	54,5	
3LP4 40-125/0,37R	1854020004	<b>2.488,00</b>	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	2,1	1,2	65	40	46,5	
3LP4 40-125/0,37	1853020004	<b>2.491,00</b>	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	2,1	1,2	65	40	46,5	
3LP4 40-160/0,55R	1854030004	<b>2.492,00</b>	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,8	1,6	65	40	44,5	
3LP4 40-160/0,55	1853030004	<b>2.492,00</b>	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,8	1,6	65	40	44,5	
3LP4/I 40-200/1,1R	1854070004I	<b>3.034,00</b>	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,3	2,5	65	40	59,3	
3LP4/I 40-200/1,1	1853070004I	<b>3.034,00</b>	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,3	2,5	65	40	59,3	
3LP4/I 40-200/1,5	1854080004I	<b>3.120,00</b>	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	61,4	
3LP4 50-125/0,55R	1864030004	<b>2.504,00</b>	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,8	1,6	65	50	45,0	
3LP4 50-125/0,55	1863030004	<b>2.504,00</b>	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,8	1,6	65	50	45,0	
3LP4/I 50-160/1,1R	1864070004I	<b>3.097,00</b>	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,3	2,5	65	50	50,3	
3LP4/I 50-160/1,1	1863070004I	<b>3.097,00</b>	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,3	2,5	65	50	50,3	
3LP4/I 50-200/1,5R	1864080004I	<b>3.121,00</b>	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	61,4	
3LP4/I 50-200/1,5	1863080004I	<b>3.121,00</b>	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	61,4	
3LP4/I 50-200/2,2	1863100004I	<b>3.397,00</b>	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	10,2	5,9	65	50	70,4	

Pumps supplied without counterflanges, see counterflanges kit on page 387



# 3LP4 SERIES



Centrifugal pumps in AISI 316 on base with Standardized motor and flexible coupling (4 poles)

Three phase 230/400/690V															4 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]
					I/min	300	350	500	600	800	1000	1200	1400	1800	2200	[A]						
					m³/h	18	21	30	36	48	60	72	84	108	132	230V	400V	690V				
H=Total head [m]																						
3LP4 65-125/0,55	1878330004	<b>2.901,00</b>	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	2,8	1,6	-	80	65	48,5
3LP4/I 65-125/0,75	1878350004I	<b>3.049,00</b>	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	3,1	1,8	-	80	65	48,5
3LP4/I 65-125/1,1	1878370004I	<b>3.127,00</b>	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	-	-	-	-	-	4,3	2,5	-	80	65	53,8
3LP4/I 65-160/1,1	1877370004I	<b>3.353,00</b>	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	-	-	-	-	-	4,3	2,5	-	80	65	60,3
3LP4/I 65-160/1,5	1877380004I	<b>3.372,00</b>	2	1,5		-	9,2	8,5	8,0	6,7	5,3	-	-	-	-	-	6,2	3,6	-	80	65	60,9
3LP4/I 65-160/2,2	1877400004I	<b>3.823,00</b>	3	2,2		-	11,3	10,6	10,1	8,8	7,2	5,5	-	-	-	-	10,2	5,9	-	80	65	71,9
3LP4/I 65-200/2,2R	1876400104I	<b>3.898,00</b>	3	2,2		-	12,4	11,6	10,9	9,3	7,3	-	-	-	-	-	10,2	5,9	-	80	65	74,4
3LP4/I 65-200/2,2	1876400004I	<b>3.923,00</b>	3	2,2		-	13,9	13,0	12,4	10,8	8,8	-	-	-	-	-	10,2	5,9	-	80	65	74,4
3LP4/I 65-200/3	1876410004I	<b>4.016,00</b>	4	3		-	15,8	15,1	14,4	12,9	11,1	9,0	-	-	-	-	11,8	6,8	-	80	65	77,5
3LP4/I 65-250/4	1402120104I	<b>4.838,00</b>	5,5	4		-	-	18,1	17,6	16,1	14,2	11,6	-	-	-	-	14,2	8,2	-	80	65	119,1
3LP4/I 65-250/5,5	1402130104I	<b>5.083,00</b>	7,5	5,5		-	-	21,2	20,8	19,6	17,9	15,8	12,8	-	-	-	10,6	6,1	100	80	140,0	
3LP4/I 80-160/1,5	1403080104I	<b>4.142,00</b>	2	1,5		-	-	-	6,8	6,3	5,7	5,0	4,2	2,4	-	-	6,2	3,6	-	100	80	77,4
3LP4/I 80-160/2,2R	1403090104I	<b>4.387,00</b>	3	2,2		-	-	-	8,1	7,8	7,3	6,7	6,0	4,2	-	-	10,2	5,9	-	100	80	86,4
3LP4/I 80-160/2,2	1403100104I	<b>4.387,00</b>	3	2,2		-	-	-	9,1	8,8	8,3	7,8	7,1	5,2	-	-	10,2	5,9	-	100	80	100,9
3LP4/I 80-200/3	1404110104I	<b>4.575,00</b>	4	3		-	-	-	12,0	11,5	10,7	9,7	8,6	5,9	-	-	11,8	6,8	-	100	80	109,5
3LP4/I 80-200/4	1404120104I	<b>4.769,00</b>	5,5	4		-	-	-	14,4	13,9	13,2	12,2	11,2	8,8	5,6	-	14,2	8,2	-	100	80	122,1
3LP4/I 80-200/4R	1404130104I	<b>4.769,00</b>	5,5	4		-	-	-	15,4	14,9	14,1	13,2	12,3	9,9	6,7	-	14,2	8,2	-	100	80	122,6
3LP4/I 80-250/5,5R	1405330104I	<b>5.715,00</b>	7,5	5,5		-	-	-	17,7	17,0	16,0	14,6	12,9	8,4	-	-	10,6	6,1	100	80	144,0	
3LP4/I 80-250/5,5	1405130104I	<b>5.715,00</b>	7,5	5,5		-	-	-	20,5	19,9	18,9	17,6	15,9	11,7	-	-	10,6	6,1	100	80	144,5	
3LP4/I 80-250/7,5	1405140104I	<b>6.080,00</b>	10	7,5		-	-	-	24,0	23,4	22,5	21,3	19,8	15,9	10,8	-	15,3	8,8	100	80	157,5	

Pumps supplied without counterflanges, see counterflanges kit on page 387  
 3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

Single stage centrifugal pumps

# 3LPF(4) SERIES



## Centrifugal pumps in AISI 316 (hydraulic only)

Bare shaft pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



Volute obtained with hydro-forming process



High performances

## Materials

<b>Pump body</b>	- AISI 316L - AISI 316 microcasted steel for 3L SERIES 65-250, 80-160/200/250
<b>Impeller</b>	- AISI 316L for 3L SERIES 32, 45, 50 - AISI 316 microcasted steel for 3L SERIES 65, 80
<b>Shaft</b>	- AISI 316L stainless steel - Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250
<b>Mechanical seal</b>	SiC/SiC/FPM (standard)

## Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid</b>	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55

## Accessories



### Counterflanges kit

Page 387 - **Galvanized, AISI 304 and AISI 316 counterflanges kit**



### Control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA60/C - Smart - QT1 - QS1

## Options



### Mechanical seal

Page 389 - **H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG**



# 3LPF(4) SERIES

Centrifugal pumps in AISI 316 (hydraulic only)



## 3LPF SERIES 2 Poles

Model	Code	£ Stg
3LPF 32-125/1,1	1843000000	<b>1.397,00</b>
3LPF 32-160/1,5R	1843000001	<b>1.443,00</b>
3LPF 32-160/2,2	1843000002	<b>1.455,00</b>
3LPF 32-200/3,0R	1843000003	<b>1.641,00</b>
3LPF 32-200/4,0	1843000004	<b>1.713,00</b>
3LPF 32-200/5,5L	1843000005	<b>1.759,00</b>
3LPF 32-200/7,5L	1843000005	<b>1.759,00</b>
3LPF 40-125/1,5R	1853000000	<b>1.454,00</b>
3LPF 40-125/2,2	1853000001	<b>1.454,00</b>
3LPF 40-160/3,0R	1853000002	<b>1.511,00</b>
3LPF 40-160/4,0	1853000003	<b>1.513,00</b>
3LPF 40-200/5,5R	1853000004	<b>1.782,00</b>
3LPF 40-200/7,5	1853000005	<b>1.794,00</b>
3LPF 40-200/11L	1853000006	<b>1.821,00</b>
3LPF 50-125/2,2S	1863000007	<b>1.567,00</b>
3LPF 50-125/3,0R	1863000000	<b>1.568,00</b>
3LPF 50-125/4,0	1863000001	<b>1.568,00</b>
3LPF 50-160/5,5R	1863000002	<b>1.846,00</b>
3LPF 50-160/7,5	1863000003	<b>1.820,00</b>
3LPF 50-200/9,2R	1863000004	<b>1.827,00</b>
3LPF 50-200/11	1863000005	<b>1.832,00</b>
3LPF 50-200/15L	1863000006	<b>1.832,00</b>
3LPF 65-125/4,0R	1874200000	<b>2.386,00</b>
3LPF 65-125/5,5	1874200001	<b>2.391,00</b>
3LPF 65-125/7,5L	1874200002	<b>2.391,00</b>
3LPF 65-160/7,5S	1874200009	<b>2.650,00</b>
3LPF 65-160/9,2R	1874200003	<b>2.650,00</b>
3LPF 65-160/11	1874200004	<b>2.711,00</b>
3LPF 65-160/15L	1874200005	<b>2.715,00</b>
3LPF 65-200/15R	1874200006	<b>3.229,00</b>
3LPF 65-200/18,5	1874200007	<b>3.229,00</b>
3LPF 65-200/22L	1874200008	<b>3.229,00</b>
3LPF 65-250/30	1406250101	<b>3.710,00</b>
3LPF 65-250/37L	1406250102	<b>3.794,00</b>
3LPF 80-160/11S	1407160100	<b>3.854,00</b>
3LPF 80-160/15R	1407150100	<b>3.854,00</b>
3LPF 80-160/15	1407160101	<b>3.854,00</b>
3LPF 80-160/18,5L	1407160102	<b>3.854,00</b>
3LPF 80-200/22R	1407200100	<b>4.156,00</b>
3LPF 80-200/30	1407200101	<b>4.216,00</b>
3LPF 80-200/37L	1407200102	<b>4.216,00</b>
3LPF 80-250/37R	1407250100	<b>4.336,00</b>
3LPF 80-250/45	1407250101	<b>4.336,00</b>
3LPF 80-250/55L	1407250102	<b>4.336,00</b>

Pumps supplied without counterflanges, see counterflanges kit on page 387  
3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

## 3LPF4 SERIES 4 Poles

Model	Code	£ Stg
3LPF4 32-125/0,25	1843000000	<b>1.397,00</b>
3LPF4 32-160/0,37R	1843000001	<b>1.443,00</b>
3LPF4 32-160/0,37	1843000002	<b>1.455,00</b>
3LPF4 32-200/0,55R	1843000003	<b>1.641,00</b>
3LPF4 32-200/0,55	1843000004	<b>1.713,00</b>
3LPF4 32-200/0,75L	1843000005	<b>1.759,00</b>
3LPF4 40-125/0,37R	1853000000	<b>1.454,00</b>
3LPF4 40-125/0,37	1853000001	<b>1.454,00</b>
3LPF4 40-160/0,55R	1853000002	<b>1.511,00</b>
3LPF4 40-160/0,55	1853000003	<b>1.513,00</b>
3LPF4 40-200/1,1R	1853000004	<b>1.782,00</b>
3LPF4 40-200/1,1	1853000005	<b>1.794,00</b>
3LPF4 40-200/1,5L	1853000006	<b>1.821,00</b>
3LPF4 50-125/0,55R	1863000000	<b>1.568,00</b>
3LPF4 50-125/0,55	1863000001	<b>1.568,00</b>
3LPF4 50-160/1,1R	1863000002	<b>1.846,00</b>
3LPF4 50-160/1,1	1863000003	<b>1.820,00</b>
3LPF4 50-200/1,5R	1863000004	<b>1.827,00</b>
3LPF4 50-200/1,5	1863000005	<b>1.832,00</b>
3LPF4 50-200/2,2L	1863000006	<b>1.832,00</b>
3LPF4 65-125/0,55R	1874200000	<b>2.386,00</b>
3LPF4 65-125/0,75	1874200001	<b>2.391,00</b>
3LPF4 65-125/1,1L	1874200002	<b>2.391,00</b>
3LPF4 65-160/1,1R	1874200003	<b>2.650,00</b>
3LPF4 65-160/1,5	1874200004	<b>2.711,00</b>
3LPF4 65-160/2,2L	1874300005	<b>2.717,00</b>
3LPF4 65-200/2,2R	1874300006	<b>3.229,00</b>
3LPF4 65-200/2,2	1874300007	<b>3.229,00</b>
3LPF4 65-200/3,0L	1874300008	<b>3.229,00</b>
3LPF4 65-250/4,0	1406250101	<b>3.710,00</b>
3LPF4 65-250/5,5L	1406250102	<b>3.794,00</b>
3LPF4 80-160/1,5R	1407160106	<b>3.855,00</b>
3LPF4 80-160/2,2	1407160104	<b>3.855,00</b>
3LPF4 80-160/2,2L	1407160105	<b>3.855,00</b>
3LPF4 80-200/3,0R	1407200100	<b>4.156,00</b>
3LPF4 80-200/4,0	1407200101	<b>4.216,00</b>
3LPF4 80-200/4,0L	1407200102	<b>4.216,00</b>
3LPF4 80-250/5,5R	1407250103	<b>4.518,00</b>
3LPF4 80-250/5,5	1407250104	<b>4.518,00</b>
3LPF4 80-250/7,5L	1407250105	<b>4.518,00</b>

Pumps supplied without counterflanges, see counterflanges kit on page 387  
3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

# 3D(4) SERIES - MD/MMD(4)



## End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3D-MD/MMD SERIES is the EBARA range of close coupled pumps with cast iron body and AISI 304 or AISI 316 stainless steel impeller. 3D-MD/MMD SERIES pumps represent a versatile range suitable for a lot of applications and offer significant advantages in terms of reliability, efficiency and cost saving. Suitable for handling clean water for residential, commercial, agricultural and industrial use, pressure booster sets, heating and air-conditioning systems. Also used for irrigation on farms, sports centres, washing systems.



High efficiency



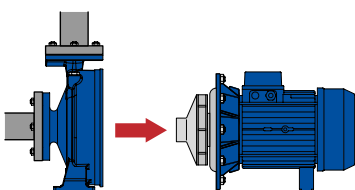
Sturdy construction



Impeller in stainless steel

## Materials

Pump body	Cast iron
Impeller	AISI 304 (AISI 316 for 3D 65) Cast iron for MMD
Shaft	AISI 304 AISI 420 (MMD)
Mechanical seal	Ceramic/Carbon/NBR (standard) SiC/SiC/NBR (MMD)
Motor support	Cast iron for 32-200/3, 15, 18,5 and 22 kW models Aluminium for the rest of the range



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG versions -10°C ÷ +90°C for MMD
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10% (up to 4 kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - **Galvanized counterflanges kit**



### Control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - **H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG**

## Standard Motors

IEC Standard motor is used.

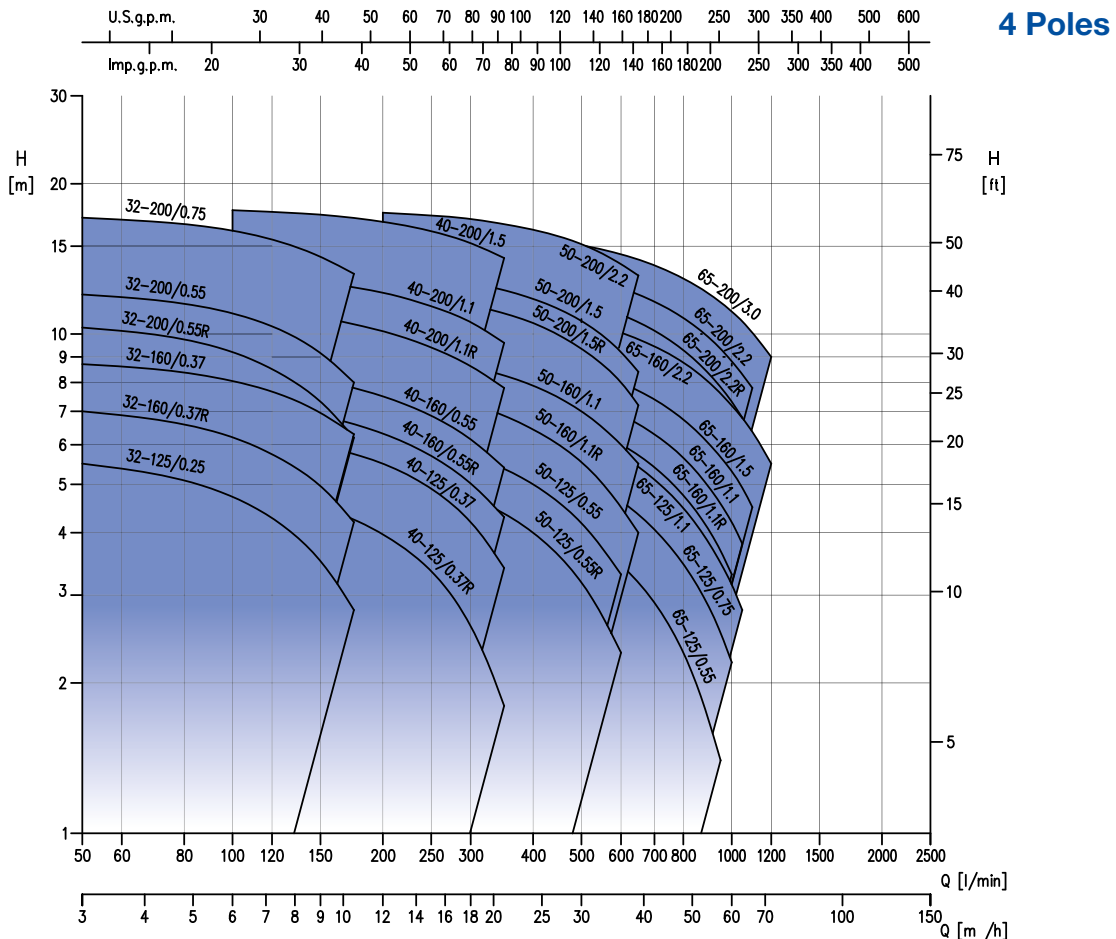
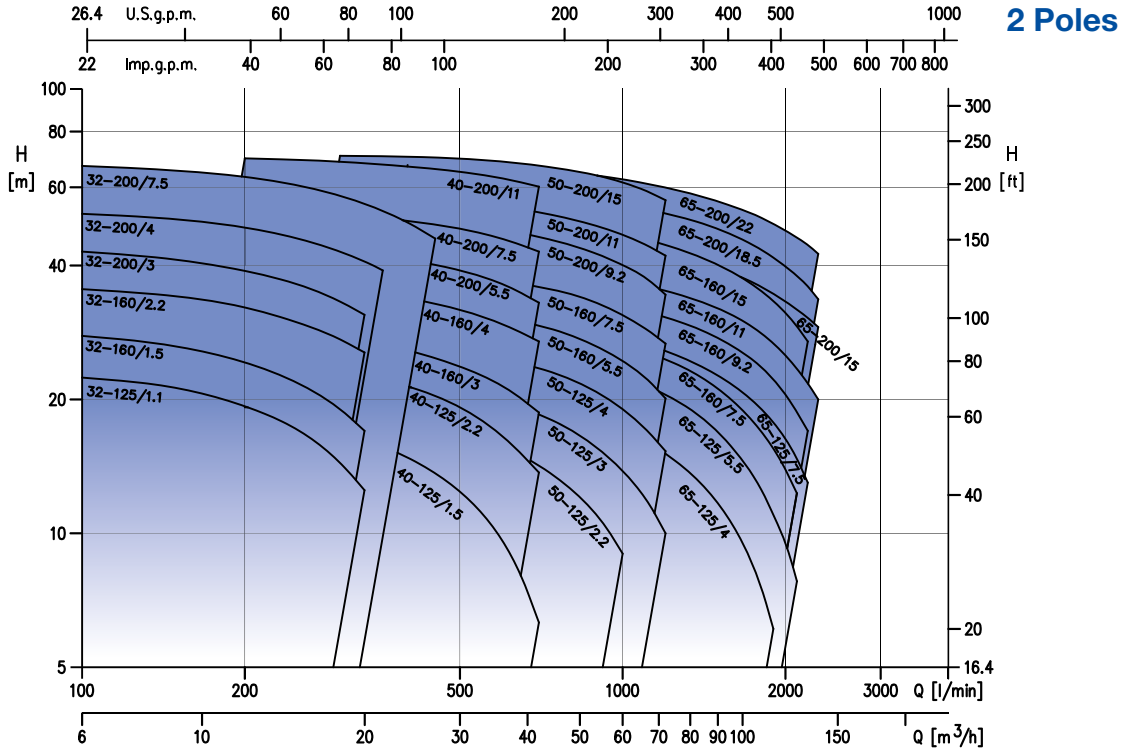
This makes easier to find a replacement motor, in case of necessity

# 3D(4) SERIES

End suction pumps in cast iron with impeller in AISI 304 and AISI 316



Single stage centrifugal pumps









# 3D4 SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

Single stage centrifugal pumps

Three phase 230/400V														4 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]
					I/min	50	100	150	175	200	250	300	350	[A]	230V	400V			
					m³/h	3	6	9	10,5	12	15	18	21						
H=Total head [m]																			
3D4 32-125/0,25	2540010004	<b>641,00</b>	0,33	0,25		5,5	4,7	3,5	2,8	-	-	-	-	1,9	1,1	50	32	23.9	
3D4 32-160/0,37R	2540020004	<b>721,00</b>	0,5	0,37		7,0	6,2	5,0	4,2	-	-	-	-	2,6	1,5	50	32	31.1	
3D4 32-160/0,37	2540920004	<b>721,00</b>	0,5	0,37		8,7	8,1	7,0	6,3	-	-	-	-	2,6	1,5	50	32	31.3	
3D4 32-200/0,55R	2540030004	<b>822,00</b>	0,75	0,55		10,3	9,2	7,3	6,2	-	-	-	-	2,6	1,5	50	32	35.9	
3D4 32-200/0,55	2540930004	<b>822,00</b>	0,75	0,55		12,0	11,0	9,2	8,0	-	-	-	-	2,6	1,5	50	32	35.9	
3D4/I 32-200/0,75	2540050004I	<b>870,00</b>	1	0,75		17,1	16,1	14,3	13,2	-	-	-	-	4,6	2,7	50	32	39.5	
3D4 40-125/0,37R	2541020004	<b>692,00</b>	0,5	0,37		-	4,8	4,5	4,3	4,0	3,4	2,6	1,8	1,9	1,1	65	40	24.7	
3D4 40-125/0,37	2541920004	<b>692,00</b>	0,5	0,37		-	6,3	6,0	5,8	5,5	4,9	4,2	3,4	1,9	1,1	65	40	24.8	
3D4 40-160/0,55R	2541030004	<b>793,00</b>	0,75	0,55		-	7,3	6,9	6,6	6,3	5,7	5,0	4,3	2,6	1,5	65	40	32.3	
3D4 40-160/0,55	2541930004	<b>793,00</b>	0,75	0,55		-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	2,6	1,5	65	40	32.7	
3D4/I 40-200/1,1R	2541070004I	<b>1.020,00</b>	1,5	1,1		-	11,2	10,8	10,5	10,1	9,4	8,6	7,8	4,6	2,7	65	40	41.2	
3D4/I 40-200/1,1	2541970004I	<b>1.020,00</b>	1,5	1,1		-	13,2	12,7	12,4	12,1	11,4	10,6	9,6	4,6	2,7	65	40	41.3	
3D4/I 40-200/1,5	2541980004I	<b>1.107,00</b>	2	1,5		-	17,7	17,3	17,1	16,8	16,1	15,2	14,2	6,2	3,6	65	40	43.0	

Pumps supplied without counterflanges. See counterflanges kit on page 387

Three phase 230/400V														4 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]		
					I/min	200	250	300	350	500	600	800	950	1050	1200	[A]				230V	400V
					m³/h	12	15	18	21	30	36	48	57	63	72						
H=Total head [m]																					
3D4 50-125/0,55R	2542030004	<b>742,00</b>	0,75	0,55		5,2	5,0	4,7	4,4	3,2	2,3	-	-	-	-	2,6	1,5	65	50	32.7	
3D4 50-125/0,55	2542930004	<b>742,00</b>	0,75	0,55		6,2	6,0	5,7	5,4	4,2	3,3	-	-	-	-	2,6	1,5	65	50	32.8	
3D4/I 50-160/1,1R	2542070004I	<b>1.003,00</b>	1,5	1,1		7,8	7,6	7,2	6,9	5,5	4,5	-	-	-	-	4,6	2,7	65	50	42.2	
3D4/I 50-160/1,1	2542970004I	<b>1.003,00</b>	1,5	1,1		9,1	8,9	8,6	8,3	7,0	6,0	-	-	-	-	4,6	2,7	65	50	42.3	
3D4/I 50-200/1,5R	2542080004I	<b>1.180,00</b>	2	1,5		12,1	11,8	11,4	11,0	9,3	8,0	-	-	-	-	6,2	3,6	65	50	43.4	
3D4/I 50-200/1,5	2542980004I	<b>1.180,00</b>	2	1,5		13,3	13,0	12,7	12,2	10,6	9,2	-	-	-	-	6,2	3,6	65	50	44.5	
3D4/I 50-200/2,2	2542900004I	<b>1.180,00</b>	3	2,2		17,5	17,3	17,0	16,6	15,1	13,8	-	-	-	-	7,8	4,5	65	50	42.9	
3D4/H 65-125/0,55	2543030004H	<b>1.039,00</b>	0,75	0,55		-	-	4,8	4,6	4,0	3,5	2,3	1,4	-	-	2,6	1,5	80	65	37.2	
3D4/I 65-125/0,75	2543040004I	<b>1.084,00</b>	1	0,75		-	-	6,0	5,8	5,2	4,6	3,5	2,5	-	-	4,6	2,7	80	65	35.3	
3D4/I 65-125/1,1	2543070004I	<b>1.093,00</b>	1,5	1,1		-	-	7,2	7,0	6,3	5,7	4,5	3,5	2,8	-	4,6	2,7	80	65	35.3	
3D4/I 65-160/1,1	2543970004I	<b>1.193,00</b>	1,5	1,1		-	-	-	8,1	7,4	6,9	5,7	4,6	3,8	-	4,6	2,7	80	65	44.6	
3D4/I 65-160/1,5	2543080004I	<b>1.202,00</b>	2	1,5		-	-	-	9,2	8,5	8,0	6,7	5,7	4,9	-	6,2	3,6	80	65	46.1	
3D4/I 65-160/2,2	2543100004I	<b>1.287,00</b>	3	2,2		-	-	-	11,3	10,6	10,1	8,8	7,6	6,8	5,5	7,8	4,5	80	65	48.1	
3D4/I 65-200/2,2 R	2544100004I	<b>1.400,00</b>	3	2,2		-	-	-	12,4	11,6	10,9	9,3	7,8	6,8	-	7,8	4,5	80	65	46.5	
3D4/I 65-200/2,2	2544900004I	<b>1.400,00</b>	3	2,2		-	-	-	13,9	13,0	12,4	10,8	9,3	8,3	-	7,8	4,5	80	65	46.5	
3D4/I 65-200/3,0	2544110004I	<b>1.461,00</b>	4	3		-	-	-	15,8	15,1	14,4	12,9	11,6	10,6	9	11,8	6,8	80	65	54.5	

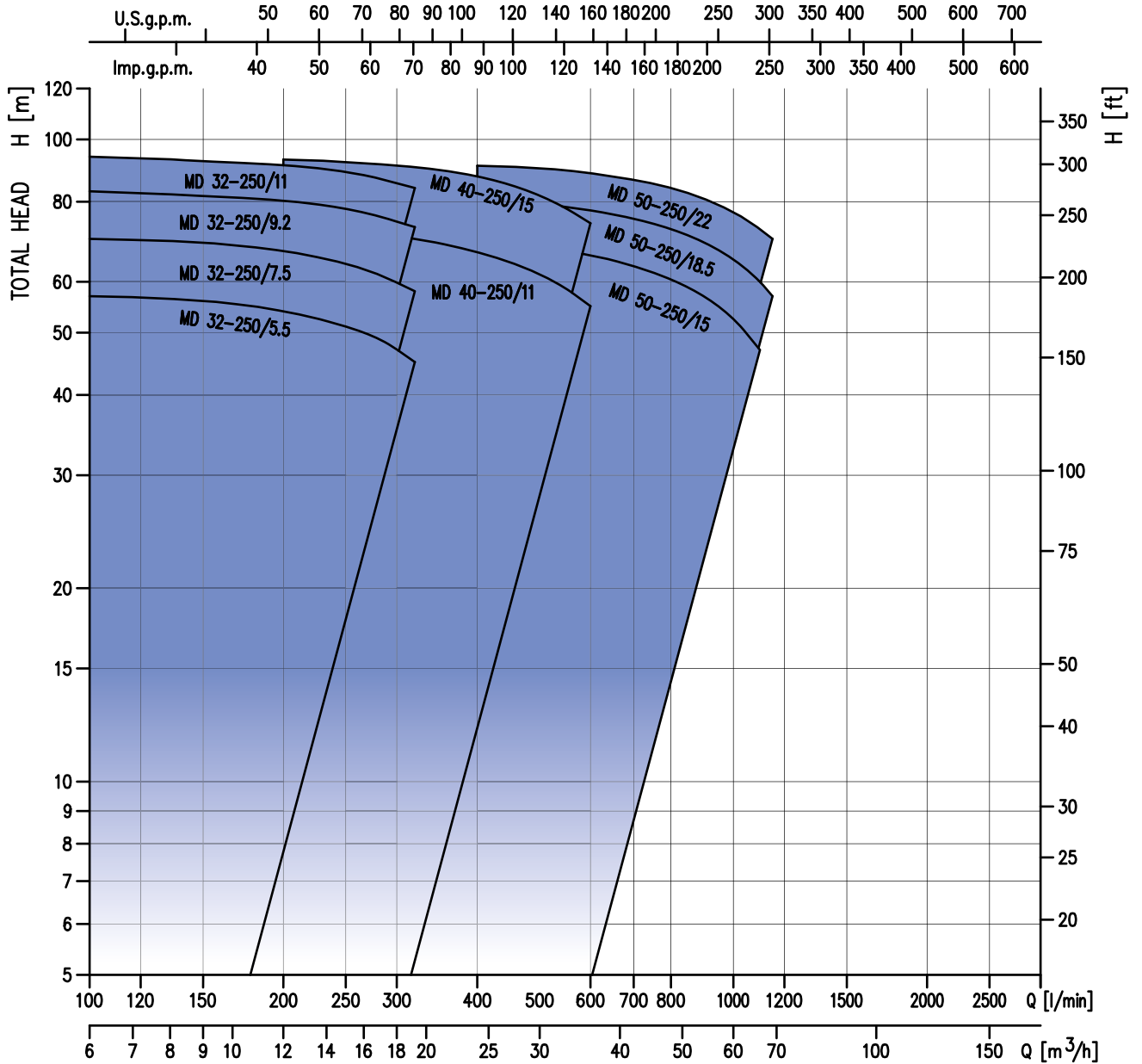
Pumps supplied without counterflanges. See counterflanges kit on page 387

# MD



End suction pumps in cast iron with impeller in AISI 304 and in cast iron

Single stage centrifugal pumps

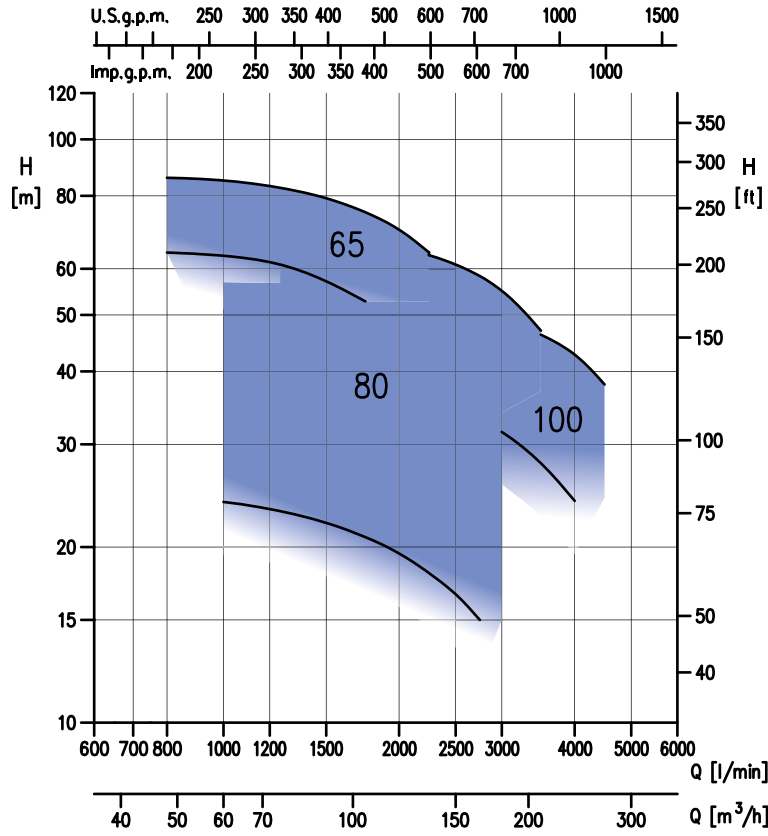


# MMD(4)

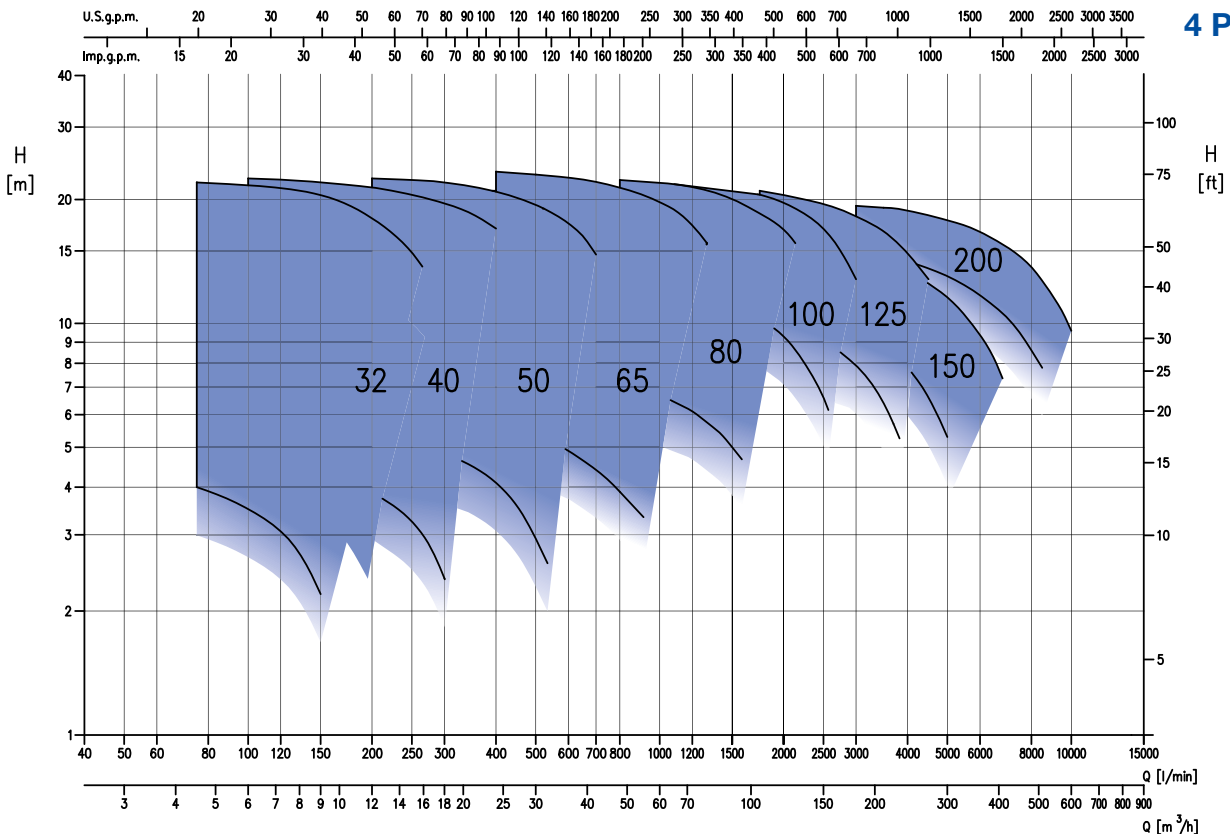
End suction pumps in cast iron with impeller in AISI 304 and in cast iron



2 Poles



4 Poles



Single stage centrifugal pumps

# MD - MMD



End suction pumps in cast iron with impeller in AISI 304 and in cast iron

Three phase 400/690V														2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]	
					l/min	100	250	320	550	700	1000	1150	1300	400V				690V
					m³/h	6	15	19	33	42	60	69	78					
H=Total head [m]																		
MD/I 32-250/5,5	1220930006I	<b>1.859,00</b>	7,5	5,5		56,5	50,4	45,7	-	-	-	-	-	10,6	6,1	50	32	74,2
MD/I 32-250/7,5	1220940006I	<b>2.032,00</b>	10	7,5		70,0	64,5	60,0	-	-	-	-	-	13,6	7,9	50	32	77,7
MD/I 32-250/9,2	1220970006I	<b>2.107,00</b>	12,5	9,2		81,2	75,8	71,4	-	-	-	-	-	17,2	10	50	32	94,5
MD/I 32-250/11	1220960006I	<b>2.185,00</b>	15	11		89,0	84,0	79,0	-	-	-	-	-	21,3	12,3	50	32	97,4
MD/I 40-250/11	1230960006I	<b>2.424,00</b>	15	11		-	73,0	71,0	60,1	46,0	-	-	-	21,3	12,3	65	40	100,4
MD/I 40-250/15	1230970006I	<b>2.944,00</b>	20	15		-	92,1	90,8	81,2	70,0	-	-	-	27,7	17,3	65	40	105,1
MD/I 50-250/15	1240980006I	<b>3.432,00</b>	20	15		-	-	-	69,2	65,7	54,2	46,1	-	27,7	17,3	65	50	106,1
MD/I 50-250/18,5	1240990006I	<b>4.294,00</b>	25	18,5		-	-	-	79,5	76,1	66,0	58,9	50,0	35	20,3	65	50	136,3
MD/I 50-250/22	1240910006I	<b>4.378,00</b>	30	22		-	-	-	89,7	86,9	77,4	70,4	61,5	39,7	23,6	65	50	161,1

Pumps supplied without counterflanges. See counterflanges kit on page 387

Three phase 400/690V														2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]	
					l/min	800	1250	1750	2250	2750	3500	4500	400V	690V				
					m³/h	48	75	105	135	165	210	270						
H=Total head [m]																		
MMD/I 65-250/22	2053190004I	<b>4.412,00</b>	30	22		64,0	61,0	53,0	-	-	-	-	-	39,4	22,8	80	65	141,0
MMD/I 65-250/30	2053200004I	<b>4.959,00</b>	41	30		77,0	74,0	66,0	53,0	-	-	-	-	52,1	30,1	80	65	264,0
MMD/I 65-250/37	2053250004I	<b>5.217,00</b>	50	37		86,0	83,0	75,0	64,0	-	-	-	-	62,6	36,1	80	65	297,0
MMD/I 80-160/11	2054230004I	<b>2.874,00</b>	15	11		-	23,0	21,0	18,0	15,0	-	-	-	19,9	11,5	100	80	87,0
MMD/I 80-160/15 R	2054240004I	<b>3.099,00</b>	20	15		-	28,0	26,0	23,0	20,0	-	-	-	26,8	15,5	100	80	90,0
MMD/I 80-160/15	2054170004I	<b>3.099,00</b>	20	15		-	33,3	31,8	29,0	26,0	-	-	-	26,8	15,5	100	80	90,0
MMD/I 80-200/18,5	2054180004I	<b>3.873,00</b>	25	18,5		-	41,0	38,5	35,0	30,5	-	-	-	33	19	100	80	137,0
MMD/I 80-200/22	2054190004I	<b>4.413,00</b>	30	22		-	46,5	44,5	41,0	37,0	-	-	-	39,4	22,7	100	80	147,0
MMD/I 80-200/30	2054200004I	<b>4.960,00</b>	41	30		-	54,0	52,0	49,0	45,0	37,0	-	-	52,1	30	100	80	284,0
MMD/I 80-200/37	2054250004I	<b>5.120,00</b>	50	37		-	57,0	56,0	54,0	51,0	42,0	-	-	62,6	36	100	80	317,0
MMD/I 80-250/37	2054250104I	<b>5.365,00</b>	50	37		-	67,5	66,2	63,3	58,3	47,0	-	-	62,6	36	100	80	320,0
MMD/I 100-200/22	2055190004I	<b>5.111,00</b>	30	22		-	-	38,0	36,0	33,0	28,0	-	-	39,4	22,7	125	100	157,0
MMD/I 100-200/30	2055200004I	<b>5.668,00</b>	41	30		-	-	46,3	44,8	42,4	38,0	30,0	-	52,1	30	125	100	294,0
MMD/I 100-200/37	2055250004I	<b>8.496,00</b>	50	37		-	-	53,5	52,0	50,0	46,0	38,0	-	62,6	36	125	100	327,0



# 3DS(4) SERIES



## End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3DS SERIES is the EBARA range of Standardized pumps manufactured according to EN733 pumps with cast iron body and AISI 304 or AISI 316 stainless steel impeller. 3DS SERIES pumps represent a versatile range suitable for a lot of applications and offer significant advantages in terms of reliability, efficiency and cost saving. Suitable for handling clean water for residential, commercial, agricultural and industrial use, pressure booster sets, heating and air-conditioning systems. Also used for irrigation on farms, sports centres, washing systems.



High efficiency



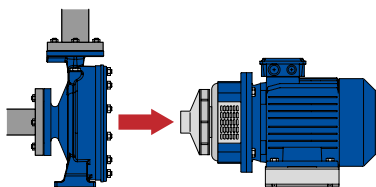
Sturdy construction



Impeller in stainless steel

## Materials

Pump body	Cast iron
Impeller	AISI 304 (AISI 316 for 3DS 65)
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG version
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4 kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - Galvanized counterflanges kit



### Control systems

Page 360 - E-drive

Variable speed control systems

Page 364 - Control panels

1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

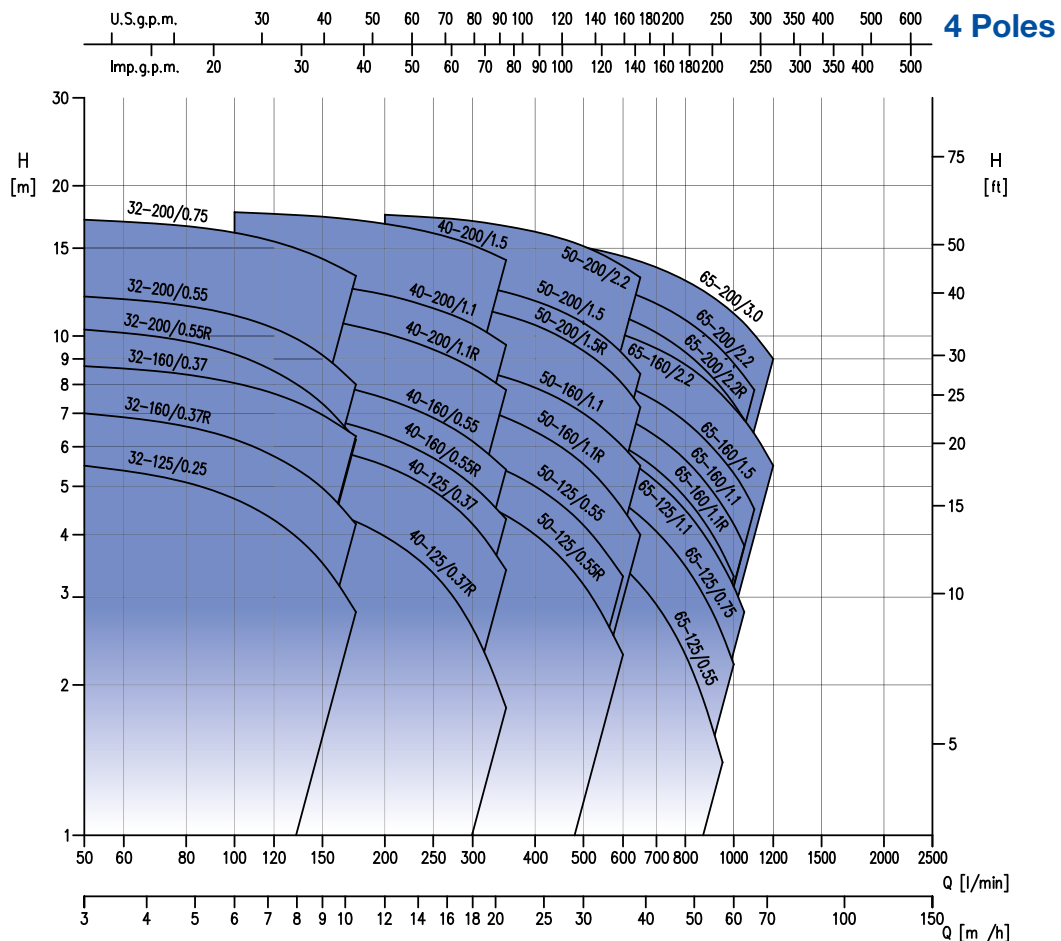
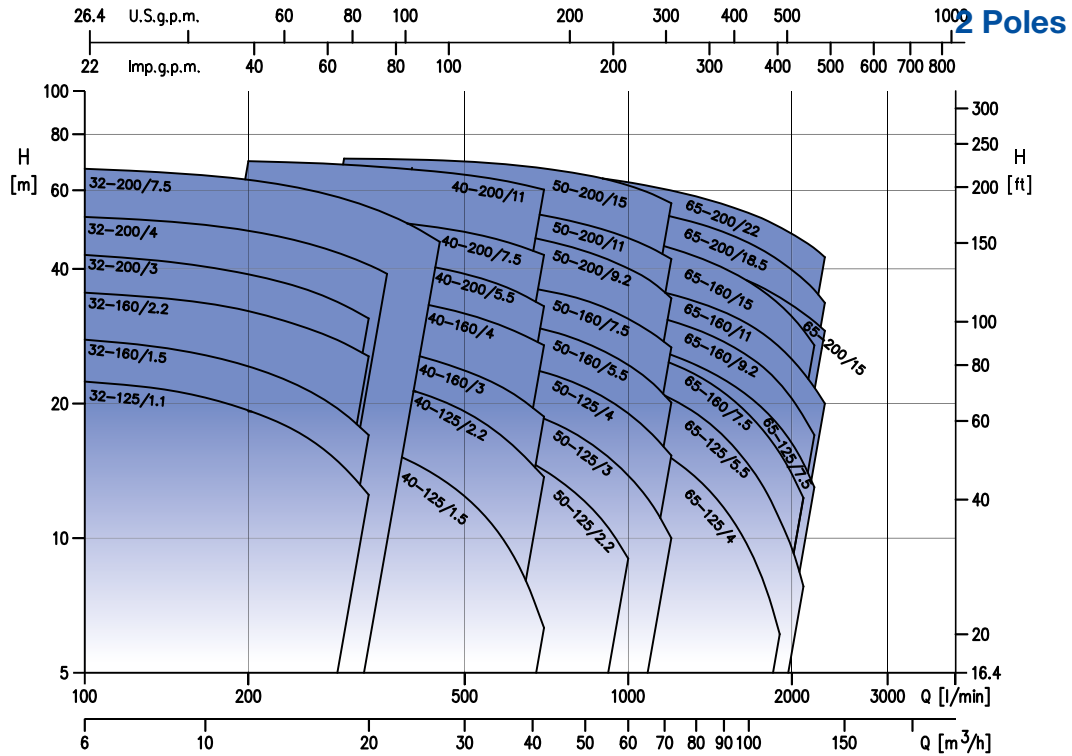
## Standard Motors

IEC Standard motor is used.

This makes easier to find a replacement motor, in case of necessity

# 3DS(4) SERIES

End suction pumps in cast iron with impeller in AISI 304 and AISI 316



Single stage centrifugal pumps

# 3DS SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

Single stage centrifugal pumps

Three phase 230/400/690V															2 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]
					I/min	100	200	300	360	450	600	700	800	1000	1200	[A]						
					m <sup>3</sup> /h	6	12	18	22	27	36	42	48	60	72	230V	400V	690V				
H=Total head [m]																						
3DS/I 32-125/1,1	2560070004I	969,00	1,5	1,1		22,4	21,2	19,3	14,4	-	-	-	-	-	-	-	5,8	3,3	-	50	32	29,5
3DS/I 32-160/1,5	2560080004I	1.018,00	2	1,5		27,5	25,9	23,7	18,5	-	-	-	-	-	-	-	5,8	3,3	-	50	32	33,5
3DS/I 32-160/2,2	2560100004I	1.059,00	3	2,2		35,4	34,1	32,2	27,3	-	-	-	-	-	-	-	8,2	4,7	-	50	32	36,0
3DS/I 32-200/3,0	2560110004I	1.171,00	4	3		43,0	41,0	39,0	33,0	-	-	-	-	-	-	-	11,1	6,4	-	50	32	47,5
3DS/I 32-200/4,0	2560120004I	1.348,00	5,5	4		52,5	51,0	49,0	43,0	-	-	-	-	-	-	-	15,1	8,7	-	50	32	50,0
3DS/I 32-200/7,5	2560140004I	1.716,00	10	7,5		67,0	65,0	63,0	57,0	-	-	-	-	-	-	-	13,6	7,9	-	50	32	65,1
3DS/I 40-125/1,5	2561080004I	949,00	2	1,5		-	-	18,2	16,8	14,8	12,4	6,3	-	-	-	-	5,8	3,3	-	65	40	30,0
3DS/I 40-125/2,2	2561100004I	1.012,00	3	2,2		-	-	24,4	23,2	21,4	19,2	13,7	-	-	-	-	8,2	4,7	-	65	40	32,0
3DS/I 40-160/3,0	2561110004I	1.184,00	4	3		-	-	29,4	27,8	25,8	23,7	18,7	-	-	-	-	11,1	6,4	-	65	40	39,0
3DS/I 40-160/4,0	2561120004I	1.243,00	5,5	4		-	-	37,2	35,7	33,8	31,8	27,0	-	-	-	-	15,1	8,7	-	65	40	48,0
3DS/I 40-200/5,5	2561130004I	1.679,00	7,5	5,5		-	-	44,5	43,0	41,0	39,0	33,0	-	-	-	-	10,6	6,1	-	65	40	60,0
3DS/I 40-200/7,5	2561140004I	1.898,00	10	7,5		-	-	53,5	52,0	50,5	48,5	43,0	-	-	-	-	13,6	7,9	-	65	40	66,1
3DS/I 40-200/11,0	2561160004I	2.694,00	15	11		-	-	70,0	68,5	67,0	65,0	60,0	-	-	-	-	21,3	12,3	-	65	40	82,4
3DS/I 50-125/2,2	2562100004I	1.146,00	3	2,2		-	-	-	-	18,0	17,0	14,2	12,6	9,0	-	-	8,2	4,7	-	65	50	37,0
3DS/I 50-125/3,0	2562110004I	1.171,00	4	3		-	-	-	-	21,5	20,8	18,5	17,1	13,8	10,0	-	11,1	6,4	-	65	50	39,5
3DS/I 50-125/4,0	2562120004I	1.336,00	5,5	4		-	-	-	-	25,8	25,3	23,5	22,2	19,0	15,3	-	15,1	8,7	-	65	50	48,0
3DS/I 50-160/5,5	2562130004I	1.642,00	7,5	5,5		-	-	-	-	32,0	31,5	29,3	27,9	24,4	20,0	-	10,6	6,1	-	65	50	60,0
3DS/I 50-160/7,5	2562140004I	1.853,00	10	7,5		-	-	-	-	38,2	37,6	35,8	34,5	30,9	26,7	-	13,6	7,9	-	65	50	67,1
3DS/I 50-200/9,2	2562150004I	2.262,00	12,5	9,2		-	-	-	-	49,5	46,5	44,5	40,0	34,4	-	-	17,2	10	-	65	50	77,0
3DS/I 50-200/11,0	2562160004I	2.841,00	15	11		-	-	-	-	55,5	52,5	51,0	47,0	42,0	-	-	21,3	12,3	-	65	50	82,4
3DS/I 50-200/15,0	2562170004I	3.000,00	20	15		-	-	-	-	69,5	67,0	65,5	61,5	56,0	-	-	27,7	17,3	-	65	50	124,1

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400/690V															2 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]
					I/min	700	900	1300	1500	1700	1900	2100	2200	2300	[A]							
					m <sup>3</sup> /h	42	54	78	90	102	114	126	132	138	230V	400V	690V					
H=Total head [m]																						
3DS/I 65-125/4,0	2563120004I	1.503,00	5,5	4		20,4	19,8	17,2	14,0	10,4	6,0	-	-	-	-	15,1	8,7	-	80	65	53,0	
3DS/I 65-125/5,5	2563130004I	1.705,00	7,5	5,5		-	25,0	22,5	19,4	15,5	11,0	8,0	-	-	-	-	10,6	6,1	-	80	65	65,0
3DS/M 65-125/7,5	2563140004M	1.909,00	10	7,5		-	29,6	27,5	24,7	21,5	17,8	14,7	13,0	-	-	-	13,6	7,9	-	80	65	72,6
3DS/M 65-160/7,5	2566140004M	1.981,00	10	7,5		-	29,0	26,6	23,5	19,8	15,5	12,3	-	-	-	-	13,6	7,9	-	80	65	73,1
3DS/M 65-160/9,2	2563150004M	2.396,00	12,5	9,2		-	34,7	32,4	29,6	26,3	22,2	18,8	17,0	-	-	-	17,2	10	-	80	65	85,0
3DS/M 65-160/11,0	2563160004M	2.847,00	15	11		-	39,0	37,0	34,0	31,0	27,0	23,0	22,0	20,0	-	-	21,3	12,3	-	80	65	87,4
3DS/M 65-160/15,0	2563170004M	3.478,00	20	15		-	46,0	44,0	41,5	38,4	34,6	31,9	30,5	29,0	-	-	27,7	17,3	-	80	65	129,1
3DS/M 65-200/15,0	2566170004M	3.729,00	20	15		-	51,0	47,0	43,0	38,6	33,3	29,2	27,0	-	-	-	27,7	17,3	-	80	65	129,1
3DS/M 65-200/18,5	2563180004M	3.899,00	25	18,5		-	58,0	55,0	51,0	47,0	41,5	37,9	35,9	33,6	-	-	35	20,3	-	80	65	146,3
3DS/M 65-200/22,0	2563190004M	4.240,00	30	22		-	65,5	62,5	58,5	54,5	49,5	46,0	44,5	42,5	-	-	39,7	23,6	-	80	65	158,1

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.





# 3DS4 SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

Three phase 230/400V														4 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]
					l/min	50	100	150	175	200	250	300	350	[A]					
					m³/h	3	6	9	10,5	12	15	18	21	230V	400V				
H=Total head [m]																			
3DS4 32-125/0,25	2560010004	<b>671,00</b>	0,33	0,25		5,5	4,7	3,5	2,8	-	-	-	-	1.9	1.1	50	32	23.9	
3DS4 32-160/0,37R	2569020004	<b>785,00</b>	0,5	0,37		7,0	6,2	5,0	4,2	-	-	-	-	2.6	1.5	50	32	31.1	
3DS4 32-160/0,37	2560020004	<b>785,00</b>	0,5	0,37		8,7	8,1	7,0	6,3	-	-	-	-	2.6	1.5	50	32	31.3	
3DS4 32-200/0,55R	2569030004	<b>853,00</b>	0,75	0,55		10,3	9,2	7,3	6,2	-	-	-	-	2.6	1.5	50	32	35.9	
3DS4 32-200/0,55	2560030004	<b>853,00</b>	0,75	0,55		12,0	11,0	9,2	8,0	-	-	-	-	2.6	1.5	50	32	35.9	
3DS4/I 32-200/0,75	2560050004I	<b>934,00</b>	1	0,75		17,1	16,1	14,3	13,2	-	-	-	-	4.6	2.7	50	32	39.5	
3DS4 40-125/0,37R	2568020004	<b>716,00</b>	0,5	0,37		-	4,8	4,5	4,3	4,0	3,4	2,6	1,8	1.9	1.1	65	40	24.7	
3DS4 40-125/0,37	2561020004	<b>716,00</b>	0,5	0,37		-	6,3	6,0	5,8	5,5	4,9	4,2	3,4	1.9	1.1	65	40	24.8	
3DS4 40-160/0,55R	2568030004	<b>818,00</b>	0,75	0,55		-	7,3	6,9	6,6	6,3	5,7	5,0	4,3	2.6	1.5	65	40	32.3	
3DS4 40-160/0,55	2561030004	<b>818,00</b>	0,75	0,55		-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	2.6	1.5	65	40	32.7	
3DS4/I 40-200/1,1R	2568070004I	<b>1.112,00</b>	1,5	1,1		-	11,2	10,8	10,5	10,1	9,4	8,6	7,8	4.6	2.7	65	40	41.2	
3DS4/I 40-200/1,1	2561070004I	<b>1.112,00</b>	1,5	1,1		-	13,2	12,7	12,4	12,1	11,4	10,6	9,6	4.6	2.7	65	40	41.3	
3DS4/I 40-200/1,5	2568080004I	<b>1.123,00</b>	2	1,5		-	17,7	17,3	17,1	16,8	16,1	15,2	14,2	6.2	3.6	65	40	43.0	

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400V														4 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]	
					l/min	200	250	300	350	500	600	800	950	1050	1200	[A]				
					m³/h	12	15	18	21	30	36	48	57	63	72	230V				400V
H=Total head [m]																				
3DS4 50-125/0,55R	2567030004	<b>772,00</b>	0,75	0,55		5,2	5,0	4,7	4,4	3,2	2,3	-	-	-	-	2.6	1.5	65	50	32.7
3DS4 50-125/0,55	2562030004	<b>772,00</b>	0,75	0,55		6,2	6,0	5,7	5,4	4,2	3,3	-	-	-	-	2.6	1.5	65	50	32.8
3DS4/I 50-160/1,1R	2567070004I	<b>994,00</b>	1,5	1,1		7,8	7,6	7,2	6,9	5,5	4,5	-	-	-	-	4.6	2.7	65	50	42.2
3DS4/I 50-160/1,1	2562070004I	<b>994,00</b>	1,5	1,1		9,1	8,9	8,6	8,3	7,0	6,0	-	-	-	-	4.6	2.7	65	50	42.3
3DS4/I 50-200/1,5R	2567080004I	<b>1.311,00</b>	2	1,5		12,1	11,8	11,4	11,0	9,3	8,0	-	-	-	-	6.2	3.6	65	50	43.4
3DS4/I 50-200/1,5	2562080004I	<b>1.311,00</b>	2	1,5		13,3	13,0	12,7	12,2	10,6	9,2	-	-	-	-	6.2	3.6	65	50	44.5
3DS4/I 50-200/2,2	2567100004I	<b>1.336,00</b>	3	2,2		17,5	17,3	17,0	16,6	15,1	13,8	-	-	-	-	7.8	4.5	65	50	42.9
3DS4/H 65-125/0,55	2563030004H	<b>1.341,00</b>	0,75	0,55		-	-	4,8	4,6	4,0	3,5	2,3	1,4	-	-	2.6	1.5	80	65	37.2
3DS4/I 65-125/0,75	2563050004I	<b>1.478,00</b>	1	0,75		-	-	6,0	5,8	5,2	4,6	3,5	2,5	-	-	4.6	2.7	80	65	35.3
3DS4/I 65-125/1,1	2563070004I	<b>1.561,00</b>	1,5	1,1		-	-	7,2	7,0	6,3	5,7	4,5	3,5	2,8	-	4.6	2.7	80	65	35.3
3DS4/I 65-160/1,1	2566070004I	<b>1.667,00</b>	1,5	1,1		-	-	-	8,1	7,4	6,9	5,7	4,6	3,8	-	4.6	2.7	80	65	44.6
3DS4/I 65-160/1,5	2563080004I	<b>1.680,00</b>	2	1,5		-	-	-	9,2	8,5	8,0	6,7	5,7	4,9	-	6.2	3.6	80	65	46.1
3DS4/I 65-160/2,2	2563100004I	<b>1.807,00</b>	3	2,2		-	-	-	11,3	10,6	10,1	8,8	7,6	6,8	5,5	7.8	4.5	80	65	48.1
3DS4/I 65-200/2,2R	2565100004I	<b>1.880,00</b>	3	2,2		-	-	-	12,4	11,6	10,9	9,3	7,8	6,8	-	7.8	4.5	80	65	46.5
3DS4/I 65-200/2,2	2566100004I	<b>1.880,00</b>	3	2,2		-	-	-	13,9	13,0	12,4	10,8	9,3	8,3	-	7.8	4.5	80	65	46.5
3DS4/I 65-200/3,0	2563110004I	<b>2.045,00</b>	4	3		-	-	-	15,8	15,1	14,4	12,9	11,6	10,6	9	11.8	6.8	80	65	54.5

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Single stage centrifugal pumps

# 3DP(4) SERIES



## End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3DP SERIES is the EBARA range of Standardized pumps manufactured according to EN733 pumps with cast iron body and AISI 304 or AISI 316 stainless steel impeller. 3DP SERIES pumps represent a versatile range suitable for a lot of applications and offer significant advantages in terms of reliability, efficiency and cost saving. Suitable for handling clean water for residential, commercial, agricultural and industrial use, pressure booster sets, heating and air-conditioning systems. Also used for irrigation on farms, sports centres, washing systems.



High efficiency



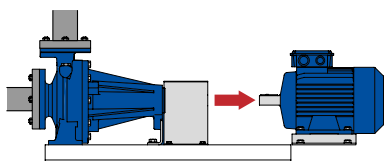
Sturdy construction



Impeller in stainless steel

## Materials

Pump body	Cast iron
Impeller	AISI 304 (AISI 316 for 3DP 65)
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



## Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG version
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4 kW included) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 387 - Galvanized counterflanges kit



### Control systems

Page 360 - E-drive

Variable speed control systems

Page 364 - Control panels

1EP-E - QA50/B - QA60/C - Smart - QM1 - QT1 - QS1

## Options



### Mechanical seal

Page 389 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

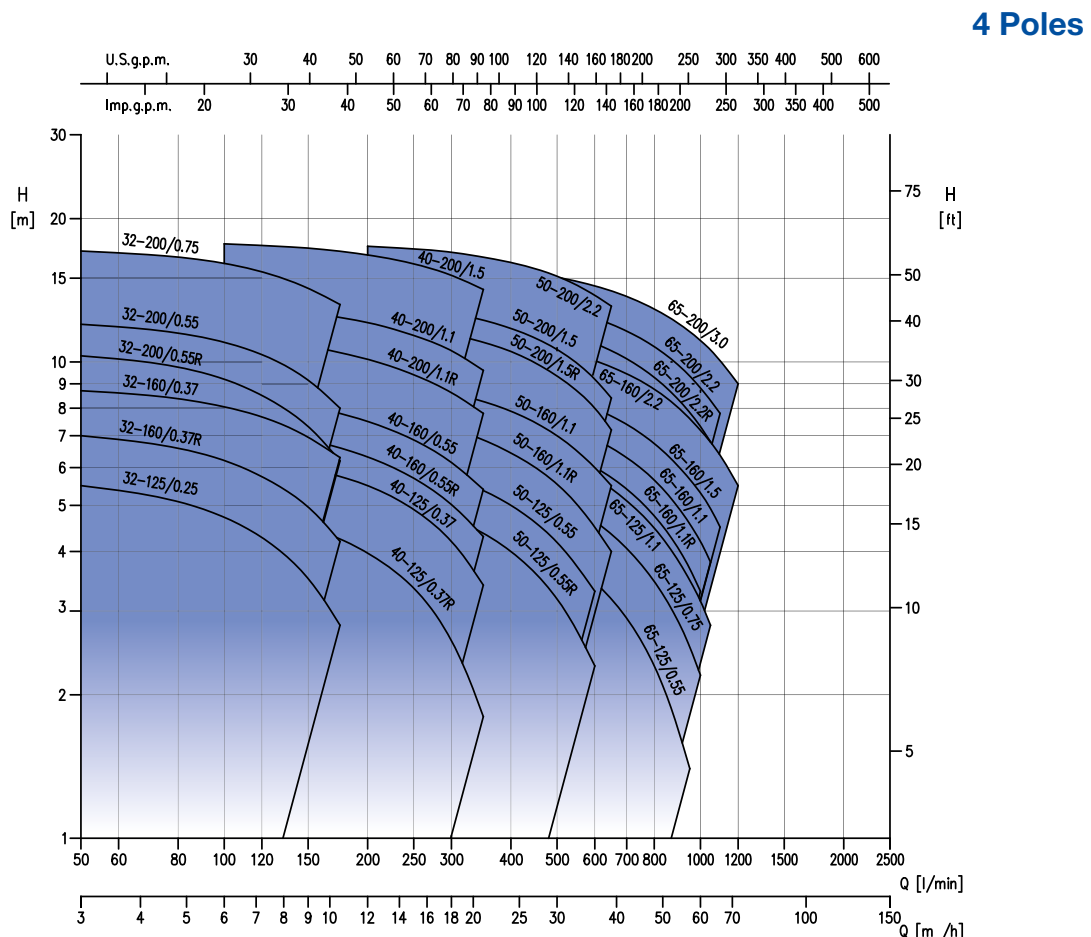
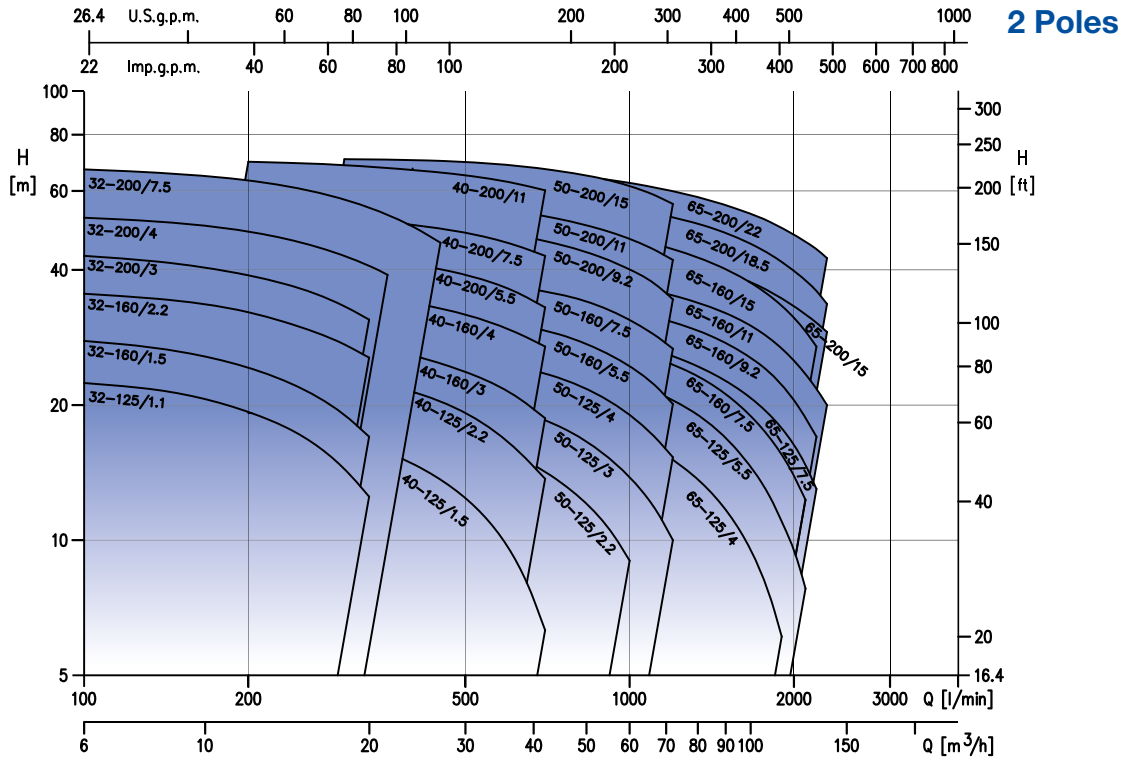
## Standard Motors

IEC Standard motor is used.

This makes easier to find a replacement motor, in case of necessity

# 3DP(4) SERIES

End suction pumps in cast iron with impeller in AISI 304 and AISI 316



Single stage centrifugal pumps

# 3DP SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

Single stage centrifugal pumps

Three phase 230/400/690V															2 Poles							
Model	Code	£ Stg	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]
					H=Total head [m]												[A]					
					l/min	100	200	300	360	450	600	700	800	1000	1200	230V	400V	690V				
m <sup>3</sup> /h	6	12	18	22	27	36	42	48	60	72												
3DP/I 32-125/1,1	2570070004I	2.120,00	1,5	1,1		22,4	21,2	19,3	14,4	-	-	-	-	-	-	5,8	3,3	-	50	32	62,1	
3DP/I 32-160/1,5	2570080004I	2.281,00	2	1,5		27,5	25,9	23,7	18,5	-	-	-	-	-	-	5,8	3,3	-	50	32	58,5	
3DP/I 32-160/2,2	2570100004I	2.391,00	3	2,2		35,4	34,1	32,2	27,3	-	-	-	-	-	-	8,2	4,7	-	50	32	61,5	
3DP/I 32-200/3,0	2570110004I	2.760,00	4	3		43,0	41,0	39,0	33,0	-	-	-	-	-	-	11,1	6,4	-	50	32	83,9	
3DP/I 32-200/4,0	2570120004I	2.815,00	5,5	4		52,5	51,0	49,0	43,0	-	-	-	-	-	-	15,1	8,7	-	50	32	86,9	
3DP/I 32-200/7,5	2570140004I	3.294,00	10	7,5		67,0	65,0	63,0	57,0	-	-	-	-	-	-	-	13,6	7,9	50	32	117,2	
3DP/I 40-125/1,5	2571080004I	2.183,00	2	1,5		-	-	18,2	16,8	14,8	12,4	6,3	-	-	-	5,8	3,3	-	65	40	76,2	
3DP/I 40-125/2,2	2571100004I	2.183,00	3	2,2		-	-	24,4	23,2	21,4	19,2	13,7	-	-	-	8,2	4,7	-	65	40	56,9	
3DP/I 40-160/3,0	2571110004I	2.504,00	4	3		-	-	29,4	27,8	25,8	23,7	18,7	-	-	-	11,1	6,4	-	65	40	93,4	
3DP/I 40-160/4,0	2571120004I	2.564,00	5,5	4		-	-	37,2	35,7	33,8	31,8	27,0	-	-	-	15,1	8,7	-	65	40	74,8	
3DP/I 40-200/5,5	2571130004I	3.123,00	7,5	5,5		-	-	44,5	43,0	41,0	39,0	33,0	-	-	-	-	10,6	6,1	65	40	105,0	
3DP/I 40-200/7,5	2571140004I	3.328,00	10	7,5		-	-	53,5	52,0	50,5	48,5	43,0	-	-	-	-	13,6	7,9	65	40	113,7	
3DP/I 40-200/11,0	2571160004I	3.766,00	15	11		-	-	70,0	68,5	67,0	65,0	60,0	-	-	-	-	21,3	12,3	65	40	140,6	
3DP/I 50-125/2,2	2572100004I	2.484,00	3	2,2		-	-	-	-	18,0	17,0	14,2	12,6	9,0	-	8,2	4,7	-	65	50	80,0	
3DP/I 50-125/3,0	2572110004I	2.588,00	4	3		-	-	-	-	21,5	20,8	18,5	17,1	13,8	10,0	11,1	6,4	-	65	50	91,1	
3DP/I 50-125/4,0	2572120004I	2.657,00	5,5	4		-	-	-	-	25,8	25,3	23,5	22,2	19,0	15,3	15,1	8,7	-	65	50	91,7	
3DP/I 50-160/5,5	2572130004I	3.143,00	7,5	5,5		-	-	-	-	32,0	31,5	29,3	27,9	24,4	20,0	-	10,6	6,1	65	50	111,5	
3DP/I 50-160/7,5	2572140004I	3.345,00	10	7,5		-	-	-	-	38,2	37,6	35,8	34,5	30,9	26,7	-	13,6	7,9	65	50	115,4	
3DP/I 50-200/9,2	2572150004I	3.927,00	12,5	9,2		-	-	-	-	-	49,5	46,5	44,5	40,0	34,4	-	17,2	10	65	50	124,1	
3DP/I 50-200/11,0	2572160004I	4.005,00	15	11		-	-	-	-	-	55,5	52,5	51,0	47,0	42,0	-	21,3	12,3	65	50	144,4	
3DP/I 50-200/15,0	2572170004I	4.516,00	20	15		-	-	-	-	-	69,5	67,0	65,5	61,5	56,0	-	27,7	17,3	65	50	154,4	

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400/690V															2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]
					H=Total head [m]										[A]					
					l/min	700	900	1300	1500	1700	1900	2100	2200	2300	230V	400V	690V			
m <sup>3</sup> /h	42	54	78	90	102	114	126	132	138											
3DP/I 65-125/4,0	2573120004I	2.861,00	5,5	4		20,4	19,8	17,2	14,0	10,4	6,0	-	-	-	15,1	8,7	-	80	65	70,9
3DP/I 65-125/5,5	2573130004I	3.377,00	7,5	5,5		-	25,0	22,5	19,4	15,5	11,0	8,0	-	-	-	10,6	6,1	80	65	115,3
3DP/M 65-125/7,5	2573140004M	3.569,00	10	7,5		-	29,6	27,5	24,7	21,5	17,8	14,7	13,0	-	-	13,6	7,9	80	65	129,9
3DP/M 65-160/7,5	2576140004M	3.718,00	10	7,5		-	29,0	26,6	23,5	19,8	15,5	12,3	-	-	-	13,6	7,9	80	65	133,2
3DP/M 65-160/9,2	2573150004M	3.764,00	12,5	9,2		-	34,7	32,4	29,6	26,3	22,2	18,8	17,0	-	-	17,2	10	80	65	138,0
3DP/M 65-160/11,0	2573160004M	4.026,00	15	11		-	39,0	37,0	34,0	31,0	27,0	23,0	22,0	20,0	-	21,3	12,3	80	65	144,8
3DP/M 65-160/15,0	2573170004M	4.228,00	20	15		-	46,0	44,0	41,5	38,4	34,6	31,9	30,5	29,0	-	27,7	17,3	80	65	151,0
3DP/M 65-200/15,0	2576170004M	4.492,00	20	15		-	51,0	47,0	43,0	38,6	33,3	29,2	27,0	-	-	27,7	17,3	80	65	156,0
3DP/M 65-200/18,5	2573180004M	4.708,00	25	18,5		-	58,0	55,0	51,0	47,0	41,5	37,9	35,9	33,6	-	35	20,3	80	65	156,2
3DP/M 65-200/22,0	2573190004M	5.592,00	30	22		-	65,5	62,5	58,5	54,5	49,5	46,0	44,5	42,5	-	39,7	23,6	80	65	211,0

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.



# 3DP4 SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

Single stage centrifugal pumps

Three phase 230/400V														4 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]
					l/min	50	100	150	175	200	250	300	350	[A]					
					m³/h	3	6	9	10,5	12	15	18	21	230V	400V				
H=Total head [m]																			
3DP4 32-125/0,25	2570010004	<b>2.046,00</b>	0,33	0,25		5,5	4,7	3,5	2,8	-	-	-	-	1,9	1,1	50	32	45,9	
3DP4 32-160/0,37R	2579020004	<b>2.103,00</b>	0,5	0,37		7,0	6,2	5,0	4,2	-	-	-	-	2,6	1,5	50	32	52,4	
3DP4 32-160/0,37	2570020004	<b>2.103,00</b>	0,5	0,37		8,7	8,1	7,0	6,3	-	-	-	-	2,6	1,5	50	32	52,4	
3DP4 32-200/0,55R	2579030004	<b>2.157,00</b>	0,75	0,55		10,3	9,2	7,3	6,2	-	-	-	-	2,6	1,5	50	32	64,9	
3DP4 32-200/0,55	2570030004	<b>2.157,00</b>	0,75	0,55		12,0	11,0	9,2	8,0	-	-	-	-	2,6	1,5	50	32	64,9	
3DP4/I 32-200/0,75	2570050004I	<b>2.332,00</b>	1	0,75		17,1	16,1	14,3	13,2	-	-	-	-	4,6	2,7	50	32	65,9	
3DP4 40-125/0,37R	2578020004	<b>2.102,00</b>	0,5	0,37		-	4,8	4,5	4,3	4,0	3,4	2,6	1,8	1,9	1,1	65	40	55,6	
3DP4 40-125/0,37	2571020004	<b>2.102,00</b>	0,5	0,37		-	6,3	6,0	5,8	5,5	4,9	4,2	3,4	1,9	1,1	65	40	55,6	
3DP4 40-160/0,55R	2578030004	<b>2.145,00</b>	0,75	0,55		-	7,3	6,9	6,6	6,3	5,7	5,0	4,3	2,6	1,5	65	40	56,6	
3DP4 40-160/0,55	2571030004	<b>2.145,00</b>	0,75	0,55		-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	2,6	1,5	65	40	56,6	
3DP4/I 40-200/1,1R	2578070004I	<b>2.537,00</b>	1,5	1,1			11,2	10,8	10,5	10,1	9,4	8,6	7,8	4,6	2,7	65	40	76,4	
3DP4/I 40-200/1,1	2571070004I	<b>2.537,00</b>	1,5	1,1			13,2	12,7	12,4	12,1	11,4	10,6	9,6	4,6	2,7	65	40	76,4	
3DP4/I 40-200/1,5	2578080004I	<b>2.561,00</b>	2	1,5			17,7	17,3	17,1	16,8	16,1	15,2	14,2	6,2	3,6	65	40	79,3	

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400V														4 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]	
					l/min	200	250	300	350	500	600	800	950	1050	1200	[A]				
					m³/h	12	15	18	21	30	36	48	57	63	72	230V				400V
H=Total head [m]																				
3DP4 50-125/0,55R	2577030004	<b>2.243,00</b>	0,75	0,55		5,2	5,0	4,7	4,4	3,2	2,3	-	-	-	-	2,6	1,5	65	50	57,3
3DP4 50-125/0,55	2572030004	<b>2.243,00</b>	0,75	0,55		6,2	6,0	5,7	5,4	4,2	3,3	-	-	-	-	2,6	1,5	65	50	57,3
3DP4/I 50-160/1,1R	2577070004I	<b>2.661,00</b>	1,5	1,1		7,8	7,6	7,2	6,9	5,5	4,5	-	-	-	-	4,6	2,7	65	50	68,3
3DP4/I 50-160/1,1	2572070004I	<b>2.661,00</b>	1,5	1,1		9,1	8,9	8,6	8,3	7,0	6,0	-	-	-	-	4,6	2,7	65	50	68,3
3DP4/I 50-200/1,5R	2577080004I	<b>2.708,00</b>	2	1,5		12,1	11,8	11,4	11,0	9,3	8,0	-	-	-	-	6,2	3,6	65	50	79,5
3DP4/I 50-200/1,5	2572080004I	<b>2.708,00</b>	2	1,5		13,3	13,0	12,7	12,2	10,6	9,2	-	-	-	-	6,2	3,6	65	50	79,5
3DP4/I 50-200/2,2	2577100004I	<b>2.783,00</b>	3	2,2		17,5	17,3	17,0	16,6	15,1	13,8	-	-	-	-	7,8	4,5	65	50	83,3
3DP4/H 65-125/0,55	2573030004H	<b>2.170,00</b>	0,75	0,55		-	-	4,8	4,6	4,0	3,5	2,3	1,4	-	-	2,6	1,5	80	65	63,8
3DP4/I 65-125/0,75	2573050004I	<b>2.447,00</b>	1	0,75		-	-	6,0	5,8	5,2	4,6	3,5	2,5	-	-	4,6	2,7	80	65	63,8
3DP4/I 65-125/1,1	2573070004I	<b>2.543,00</b>	1,5	1,1		-	-	7,2	7,0	6,3	5,7	4,5	3,5	2,8	-	4,6	2,7	80	65	73,5
3DP4/I 65-160/1,1	2576070004I	<b>2.683,00</b>	1,5	1,1		-	-	-	8,1	7,4	6,9	5,7	4,6	3,8	-	4,6	2,7	80	65	80,8
3DP4/I 65-160/1,5	2573080004I	<b>2.758,00</b>	2	1,5		-	-	-	9,2	8,5	8,0	6,7	5,7	4,9	-	6,2	3,6	80	65	82,2
3DP4/I 65-160/2,2	2573100004I	<b>2.792,00</b>	3	2,2		-	-	-	11,3	10,6	10,1	8,8	7,6	6,8	5,5	7,8	4,5	80	65	88,0
3DP4/I 65-200/2,2R	2575100004I	<b>2.838,00</b>	3	2,2		-	-	-	12,4	11,6	10,9	9,3	7,8	6,8	-	7,8	4,5	80	65	90,9
3DP4/I 65-200/2,2	2576100004I	<b>2.838,00</b>	3	2,2		-	-	-	13,9	13,0	12,4	10,8	9,3	8,3	-	7,8	4,5	80	65	90,9
3DP4/I 65-200/3,0	2573110004I	<b>3.082,00</b>	4	3		-	-	-	15,8	15,1	14,4	12,9	11,6	10,6	9	11,8	6,8	80	65	94,0

Pumps supplied without counterflanges. See counterflanges kit on page 387  
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

# GS Series



## Standardised end suction pumps

The new GS pumps unite top technical and performance features in one single solution: an extensive range (from DN 32 to size DN 200-500), variety of available materials, ease of maintenance and hydraulic efficiency - all made even better by an ability to interact with EBARA's electronic solutions. GS is the ideal solution for applications in industrial processes, for cooling, air-conditioning, pressurisation and fire-fighting systems.



High efficiency



Sturdy construction



Available with bronze or cast iron impeller

## Technical data

Max. working pressure:	16 bar
Max. temperature of the liquid	-10°C to 120°C
MEI	> 0,6
Poles	2, 4
Insulation class	F
Protection degree	IP55
Voltage	230/400V ±10% Three phase

## Materials

Pump body	Cast iron
Impeller	Cast iron, ductile cast iron, bronze
Shaft	AISI 431
Mechanical seal	Mechanical type (SiC/Carbon/EPDM), Gland Packing (Silicon Carbide fiber)
Supporto motore	Cast iron

## Accessories



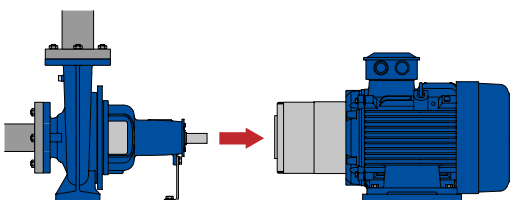
### Control systems

Page 360 - **E-drive**

Variable speed control systems

Pag. 364 - **Control panels**

QS1 SERIES



## Back pull-out

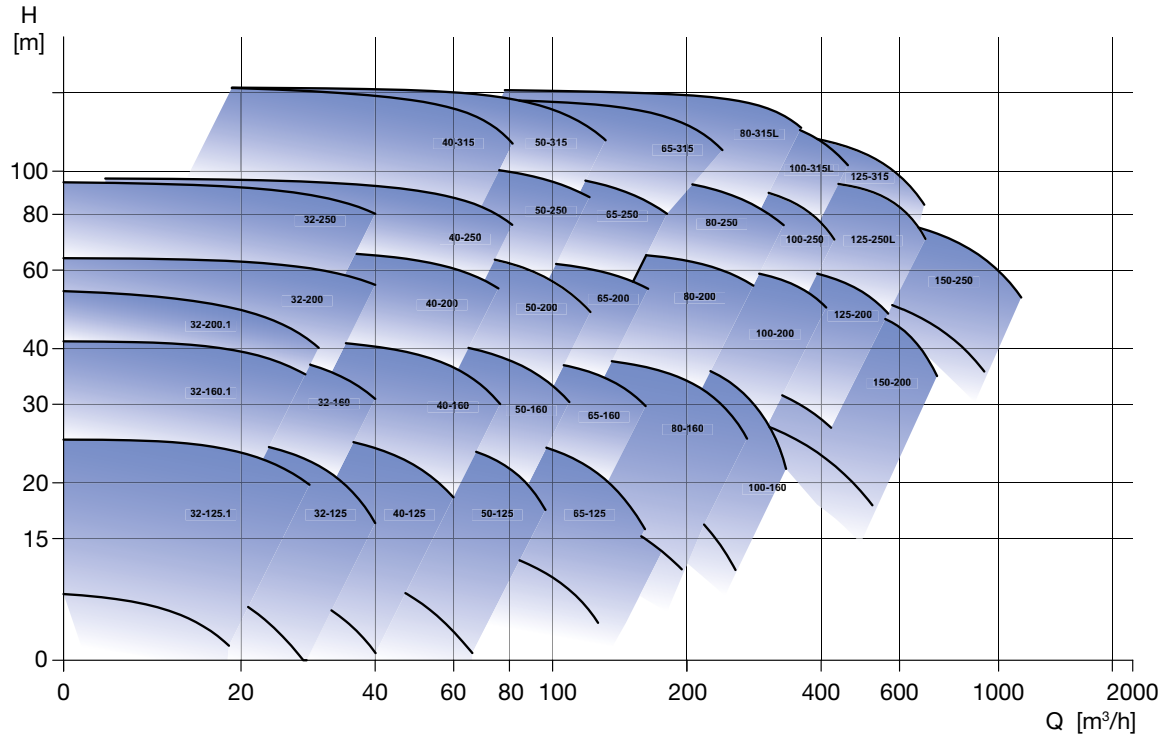
Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

# GS Series

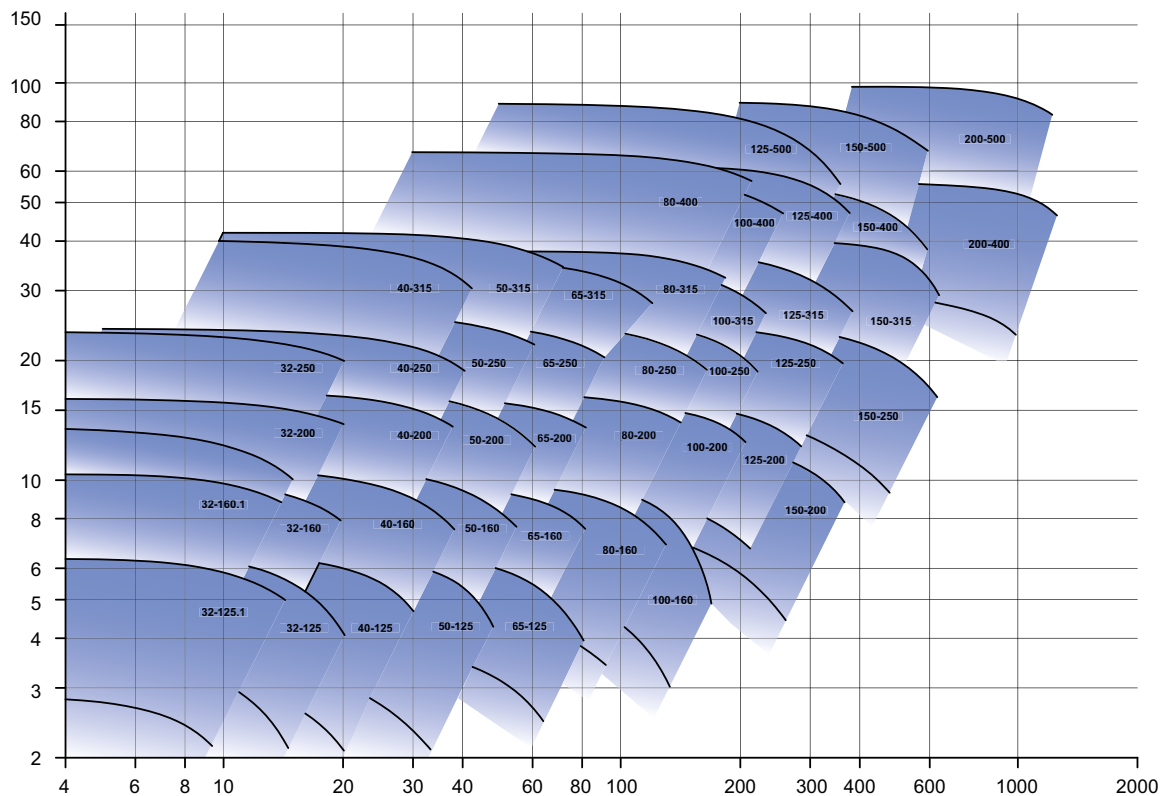
Standardised end suction pumps



## 2 poles



## 4 poles



Single stage centrifugal pumps

# Multistage pumps

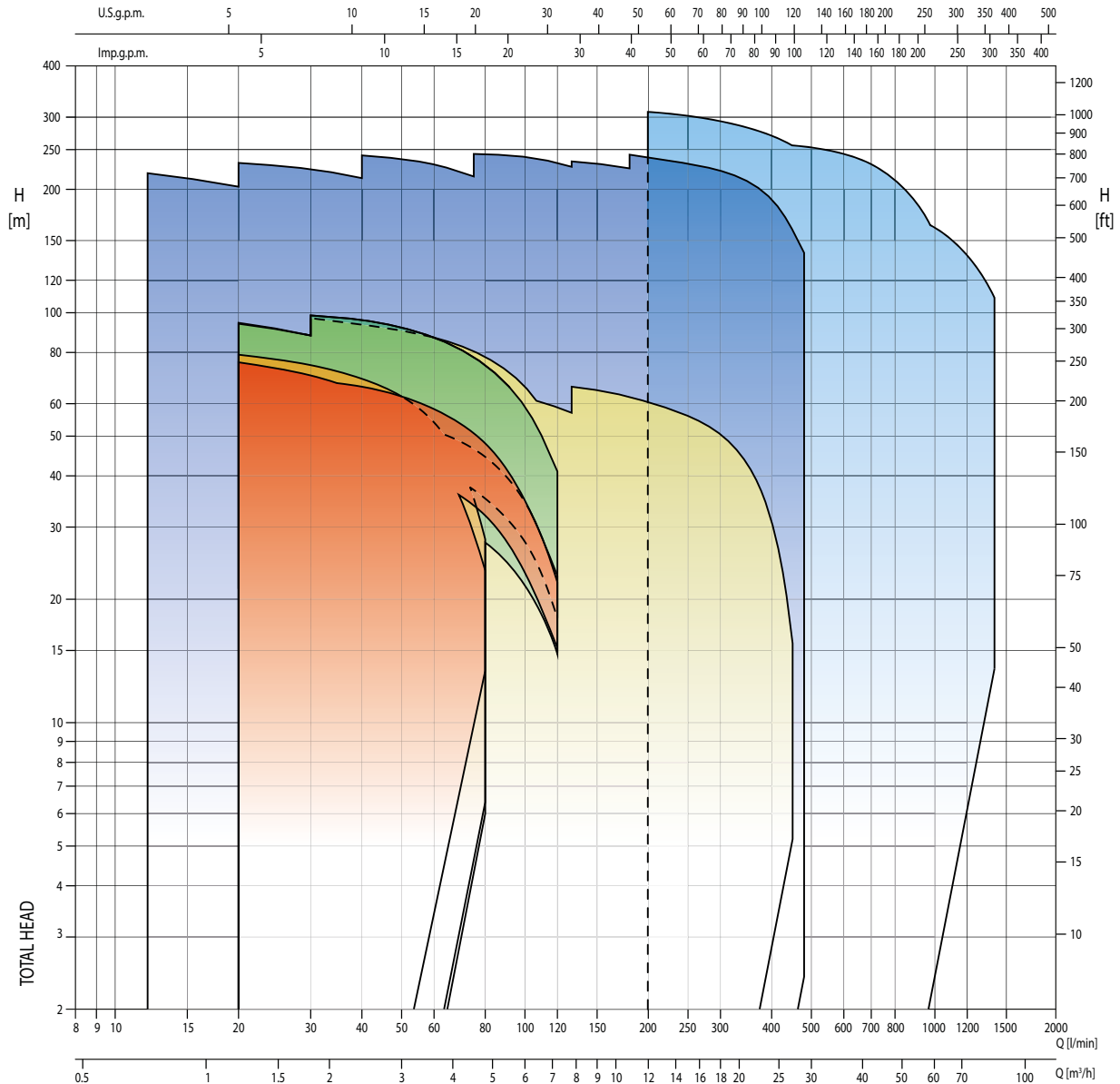
Model	Pump body	Impeller material	Type	Max. working pressure
COMPACT	Cast iron	PPE + PS	Horizontal	10 bar
MATRIX	AISI 304	AISI 304	Horizontal	10 bar
CVM	Cast iron	PPE + PS	Vertical	11 bar
MULTIGO	AISI 304	PPE + PS	Vertical	11 bar
EVMS - EVMSG - EVMSL	AISI 304 / AISI 316 / Cast iron <sup>1</sup>	AISI 304/316 <sup>2</sup>	Vertical	16 bar for oval flanged version 25 bar for the rest of the range
EVM - EVMG	AISI 304 / Cast iron <sup>3</sup>	AISI 304	Vertical	16, 25, 30 bar

PPE+PS= Technopolymer reinforced with fibreglass - SS= Stainless steel





<sup>1</sup> AISI 304 for EVMS - AISI 316 for EVMSL - Cast iron for EVMSG

<sup>2</sup> AISI 316 for EVSML

<sup>3</sup> AISI 304 for EVM - AISI 316 for EVMG - Cast iron for EVM(G)





	<b>COMPACT</b> Horizontal multistage centrifugal pumps in cast iron	<b>105</b>
	<b>MATRIX</b> Horizontal multistage centrifugal pumps in AISI 304 stainless steel	<b>109</b>
	<b>CVM</b> Vertical multistage centrifugal pumps in cast iron	<b>113</b>
	<b>MULTIGO</b> Vertical multistage centrifugal pumps in AISI 304 stainless steel	<b>118</b>
	<b>EVMS - EVMSG - EVMSL</b> Vertical multistage pumps in cast iron, in AISI 304 and AISI 316 stainless steel	<b>121</b>
	<b>EVM - EVMG - EVML</b> Vertical multistage pumps in cast iron, in AISI 304 and AISI 316 stainless steel	<b>147</b>
	<b>EVM(S)G with E-drive</b> Electric vertical multistage pumps in cast iron	<b>152</b>

# COMPACT



## Horizontal multistage centrifugal pumps in cast iron

Horizontal multistage centrifugal pumps featuring particularly silent running. Suitable for increasing pressure in general, domestic water boosting, small-scale garden watering, vehicle washing and handling clean water.



Lightweight and easy to transport



Practical and easy to use



Low noise

## Technical data

Max. working pressure 10 bar

Max. temperature of the liquid +40°C

Poles 2

Insulation class F

Protection degree IP44

Voltage Single phase 230V ±10%  
Three phase 230/400V ±10%

## Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Stages	PPE+PS reinforced with fibreglass/PTFE
Shaft	AISI 416
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

## Accessories



### Tanks

Page 382 - 8/10 bar 5/10 litres tanks



### Pressure switches

Page 377 - 1,3÷12 bar pressure switches



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**  
Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart

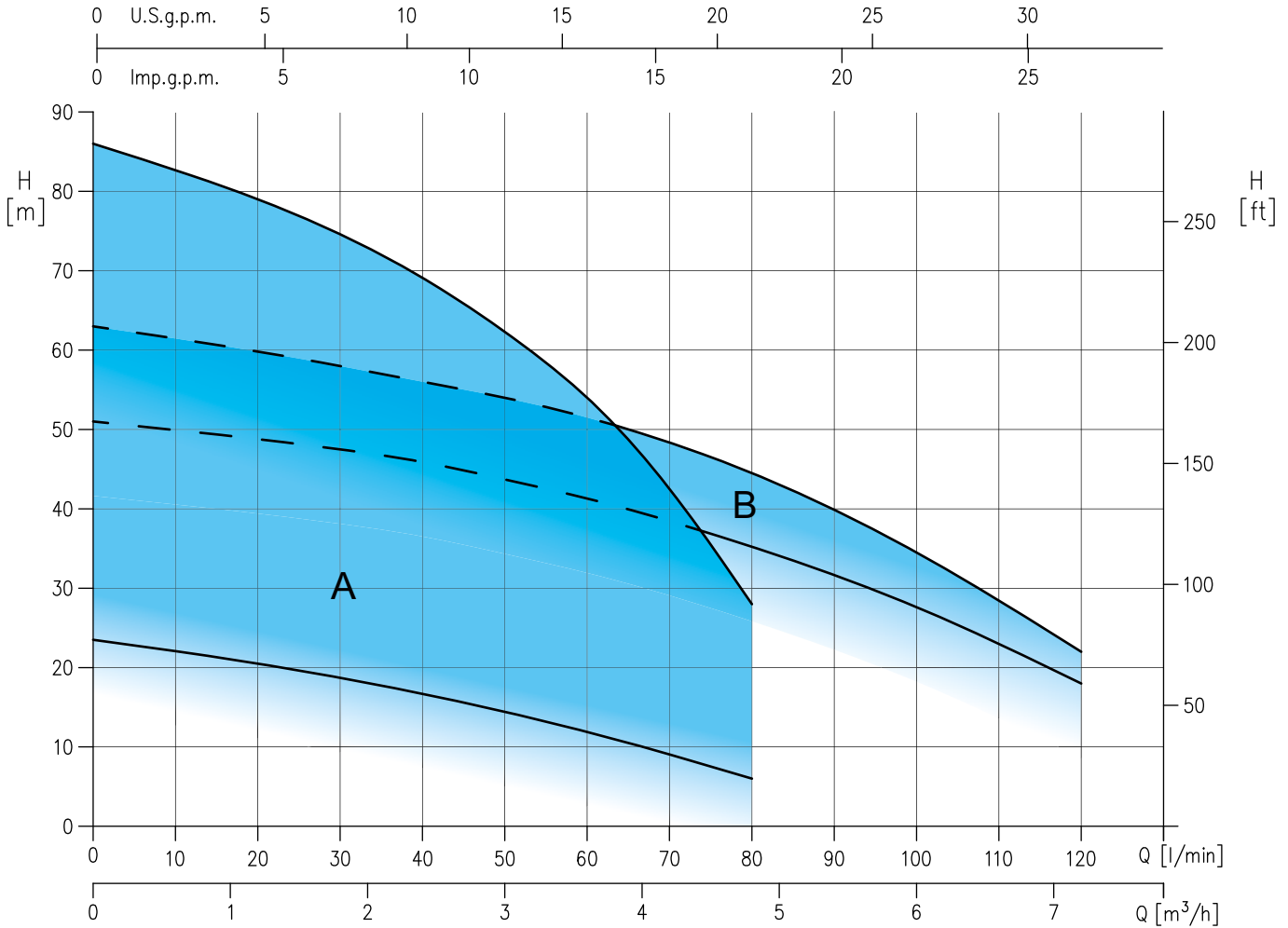


### Floats

Page 377 - 5/10 m key floats with counterweight

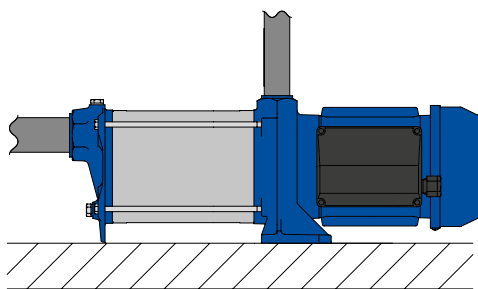
# COMPACT

Horizontal multistage pumps in cast iron



Multistage

## Installation



COMPACT centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long – life working without a demanding maintenance is required.

# COMPACT

Horizontal multistage pumps in cast iron



Multistage

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	30	40	50	60	80	120				
					m <sup>3</sup> /h	1,2	1,8	2,4	3	3,6	4,8	7,2				
H=Total head [m]																
COMPACT/A AM/4	1480010000A	<b>319,00</b>	0,4	0,3		20,5	18,7	16,7	14,4	11,9	6,0	-	2,5	G1	G1	8,4
COMPACT/A AM/6	1480020000A	<b>344,00</b>	0,6	0,44		30,7	28,2	25,2	21,8	18,0	9,0	-	3	G1	G1	9,3
COMPACT/A AM/8	1480030000A	<b>371,00</b>	0,8	0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	4	G1	G1	10,3
COMPACT AM/10	1480040000	<b>478,00</b>	1	0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	6	G1	G1	14,5
COMPACT AM/12	1480050000	<b>503,00</b>	1,2	0,9		67,5	63,5	58,5	52,5	45,0	24,0	-	6,2	G1	G1	15,5
COMPACT AM/15	1480060000	<b>561,00</b>	1,5	1,1		79,0	74,6	69,0	62,5	54,0	28,0	-	7,3	G1	G1	16,7
COMPACT BM/12	1480070000	<b>478,00</b>	1,2	0,9		-	47,5	46,0	43,5	41,5	35,2	18,0	5,8	G1¼	G1	14,9
COMPACT BM/15	1480080000	<b>512,00</b>	1,5	1,1		-	58,0	56,0	54,0	51,5	44,5	22,0	7,3	G1¼	G1	15,9

Three phase 230/400V													2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]	
					l/min	20	30	40	50	60	80	120	230V	400V				
					m <sup>3</sup> /h	1,2	1,8	2,4	3	3,6	4,8	7,2						
H=Total head [m]																		
COMPACT/A A/4	1480010004A	<b>319,00</b>	0,4	0,3		20,5	18,7	16,7	14,4	11,9	6,0	-	1,9	1,1	G1	G1	8,4	
COMPACT/A A/6	1480020004A	<b>344,00</b>	0,6	0,44		30,7	28,2	25,2	21,8	18,0	9,0	-	2,3	1,3	G1	G1	9,3	
COMPACT/A A/8	1480030004A	<b>371,00</b>	0,8	0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	2,6	1,5	G1	G1	10,3	
COMPACT/I A/10	1480040004I	<b>506,00</b>	1	0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	3,3	1,9	G1	G1	14,5	
COMPACT/I A/12	1480050004I	<b>534,00</b>	1,2	0,9		67,5	63,4	58,5	52,5	45,0	24,0	-	4,3	2,5	G1	G1	16,3	
COMPACT/I A/15	1480060004I	<b>595,00</b>	1,5	1,1		79,0	74,6	69,0	62,5	54,0	28,0	-	4,3	2,5	G1	G1	16,7	
COMPACT/I B/12	1480070004I	<b>506,00</b>	1,2	0,9		-	47,5	46,0	43,5	41,5	35,2	18,0	4,3	2,5	G1¼	G1	15,7	
COMPACT/I B/15	1480080004I	<b>544,00</b>	1,5	1,1		-	58,0	56,0	54,0	51,5	44,5	22,0	4,3	2,5	G1¼	G1	15,9	

# MATRIX



## Horizontal multistage centrifugal pumps in AISI 304 stainless steel

Horizontal multistage centrifugal pumps in AISI 304 featuring particularly robust construction. Suitable for water boosting increasing pressure in general, heating and conditioning, small-scale garden watering, vehicle washing, handling clean water and industrial plants. Standard version WRAS-approved (up to +85°C).



Small dimensions



Sturdy hydraulic frame



Low noise

## Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/EPDM (standard)
Motor support	EN AB-AISi11Cu2(Fe) (microcasted aluminium)

## Options



### Mechanical seal

Page 389 - H, HS, U3Q1EGG, Q1AEGG,

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-15°C ÷ +85°C (standard) -15°C ÷ +110°C (TE version for high temperature)
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



### Tanks

Page 382 - 8/10 bar 5/10 litres tanks



### Pressure switches

Page 377 - 1,3÷12 bar pressure switches



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart - QT!



### Floats

Page 377 - 5/10 m key floats with counterweight



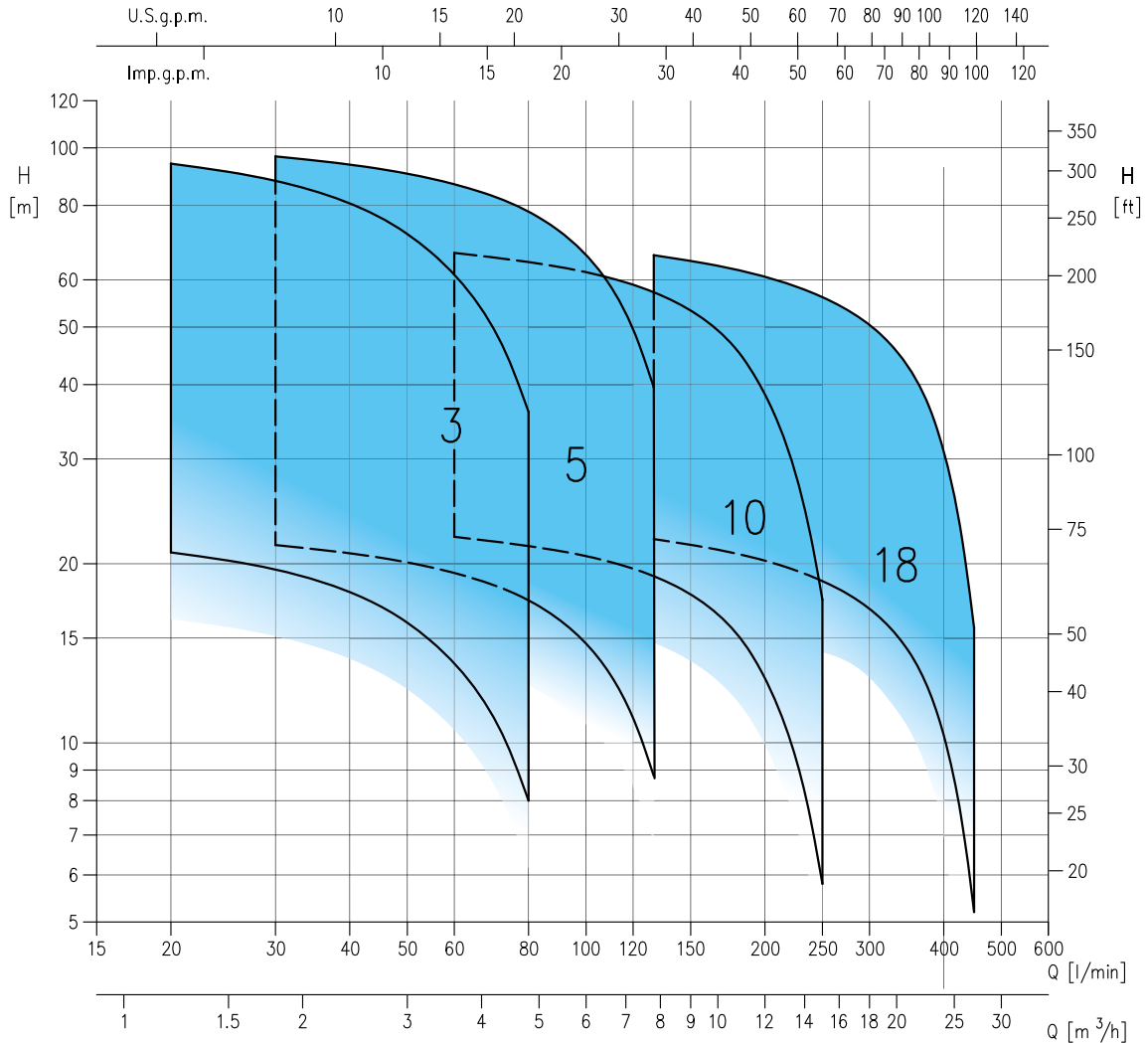
### Insulation casing

Page 378 - Insulation casing for MATRIX

# MATRIX

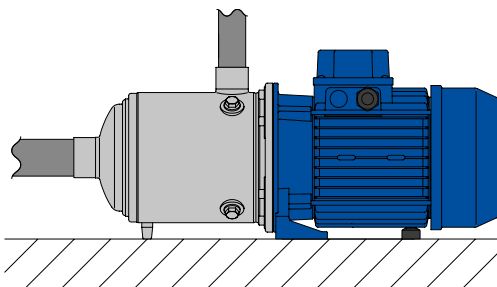


Horizontal multistage centrifugal pumps in AISI 304 stainless steel



Multistage

## Installation



MATRIX centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

## Insulation casing



Thermal insulation is available as accessory. Ready to use for chiller application, please see page 378



# MATRIX



Horizontal multistage centrifugal pumps in AISI 304 stainless steel

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	45	80	130	200	300	450				
					m³/h	1,2	2,7	4,8	7,8	12	18	27				
H=Total head [m]																
MATRIX 3-2T/0,45M	2470320000	<b>369,00</b>	0,6	0,45		20,9	17,0	8,0	-	-	-	-	3,2	G1	G1	8,5
MATRIX 3-3T/0,65M	2470330000	<b>437,00</b>	0,9	0,65		31,4	25,5	12,0	-	-	-	-	4,5	G1	G1	9,9
MATRIX 3-4T/0,65M	2470340000	<b>472,00</b>	0,9	0,65		42,0	34,0	16,0	-	-	-	-	4,5	G1	G1	10,6
MATRIX 3-5T/0,75M	2470350000	<b>513,00</b>	1	0,75		52,5	42,5	20,0	-	-	-	-	5,4	G1	G1	12,5
MATRIX 3-6T/0,9M	2470360000	<b>560,00</b>	1,2	0,9		62,5	51,0	24,0	-	-	-	-	5,7	G1	G1	13,7
MATRIX/A 3-7T/1,3M	2470370000A	<b>728,00</b>	1,8	1,3		73,0	59,5	28,0	-	-	-	-	7,8	G1	G1	16,3
MATRIX/A 3-8T/1,3M	2470380000A	<b>762,00</b>	1,8	1,3		83,5	68,0	32,0	-	-	-	-	7,8	G1	G1	16,3
MATRIX/A 3-9T/1,5M	2470390000A	<b>807,00</b>	2	1,5		94,0	76,5	36,0	-	-	-	-	8,7	G1	G1	18,3
MATRIX 5-2T/0,45M	2470520000	<b>370,00</b>	0,6	0,45		-	20,5	17,4	8,8	-	-	-	3,2	G1	G1	8,5
MATRIX 5-3T/0,65M	2470530000	<b>443,00</b>	0,9	0,65		-	30,7	26,0	13,2	-	-	-	4,5	G1	G1	9,9
MATRIX 5-4T/0,9M	2470540000	<b>494,00</b>	1,2	0,9		-	41,0	34,7	17,6	-	-	-	5,7	G1	G1	12,2
MATRIX/A 5-5T/1,3M	2470550000A	<b>596,00</b>	1,8	1,3		-	51,0	43,5	22,0	-	-	-	7,8	G1	G1	15,8
MATRIX/A 5-6T/1,3M	2470560000A	<b>708,00</b>	1,8	1,3		-	61,5	52,0	26,4	-	-	-	7,8	G1	G1	15,2
MATRIX/A 5-7T/1,5M	2470570000A	<b>742,00</b>	2	1,5		-	72,0	61,0	30,8	-	-	-	8,7	G1	G1	18,3
MATRIX 5-8T/2,2M	2470580000	<b>801,00</b>	3	2,2		-	82,0	69,5	35,2	-	-	-	13	G1	G1	22,3
MATRIX 5-9T/2,2M	2470590000	<b>838,00</b>	3	2,2		-	92,0	78,0	39,6	-	-	-	13	G1	G1	23,3
MATRIX 10-2T/0,75M	2471020000	<b>528,00</b>	1	0,75		-	-	21,4	19,1	12,8	-	-	5,4	G1	G1	11,3
MATRIX/A 10-3T/1,3M	2471030000A	<b>564,00</b>	1,8	1,3		-	-	32,1	28,6	19,3	-	-	7,8	G1	G1	14,3
MATRIX/A 10-4T/1,5M	2471040000A	<b>614,00</b>	2	1,5		-	-	43,0	38,1	25,7	-	-	8,7	G1	G1	15,6
MATRIX 10-5T/2,2M	2471050000	<b>693,00</b>	3	2,2		-	-	53,5	47,5	32,1	-	-	13	G1	G1	21,8
MATRIX 10-6T/2,2M	2471060000	<b>802,00</b>	3	2,2		-	-	64,5	57,0	38,5	-	-	13	G1	G1	22,1
MATRIX/A 18-2T/1,5M	2471820000A	<b>691,00</b>	2	1,5		-	-	-	22,0	20,2	16,8	5,2	8,7	G1	G1	14,5
MATRIX 18-3T/2,2M	2471830000	<b>719,00</b>	3	2,2		-	-	-	33,0	30,4	25,2	7,8	13	G1	G1	20,7

Standard version with WRAS approval (up to 85°C)  
 "TE" version for high temperature (up to 110°C) available with 70,00£ increase on the price list.

Multistage

# MATRIX



Horizontal multistage centrifugal pumps in AISI 304 stainless steel

Multistage

Three phase 230/400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V/400V	DNA	DNM	Weight [kg]	
					l/min	20	45	80	130	200	300	450					
					m <sup>3</sup> /h	1,2	2,7	4,8	7,8	12	18	27					
H=Total head [m]																	
MATRIX 3-2T/0,45	2470320004	<b>467,00</b>	0,6	0,45		20,9	17,0	8,0	-	-	-	-	2,3	1,3	1"	1"	8,4
MATRIX 3-3T/0,65	2470330004	<b>483,00</b>	0,9	0,65		31,4	25,5	12,0	-	-	-	-	2,8	1,6	1"	1"	9,8
MATRIX 3-4T/0,65	2470340004	<b>520,00</b>	0,9	0,65		42,0	34,0	16,0	-	-	-	-	3,1	1,8	1"	1"	10,4
MATRIX/I 3-5T/0,75	2470350004I	<b>600,00</b>	1	0,75		52,5	42,5	20,0	-	-	-	-	3,0	1,7	1"	1"	12,4
MATRIX/I 3-6T/0,9	2470360004I	<b>651,00</b>	1,2	0,9		62,5	51,0	24,0	-	-	-	-	4,3	2,5	1"	1"	13,6
MATRIX/I 3-7T/1,3	2470370004I	<b>850,00</b>	1,8	1,3		73,0	59,5	28,0	-	-	-	-	5,8	3,3	1"	1"	17,9
MATRIX/I 3-8T/1,3	2470380004I	<b>888,00</b>	1,8	1,3		83,5	68,0	32,0	-	-	-	-	5,8	3,3	1"	1"	18,7
MATRIX/I 3-9T/1,5	2470390004I	<b>939,00</b>	2	1,5		94,0	76,5	36,0	-	-	-	-	6,6	3,8	1"	1"	20,9
MATRIX 5-2T/0,45	2470520004	<b>460,00</b>	0,6	0,45		-	20,5	17,4	8,8	-	-	-	2,3	1,3	1 1/4"	1"	8,4
MATRIX 5-3T/0,65	2470530004	<b>490,00</b>	0,9	0,65		-	30,7	26,0	13,2	-	-	-	3,1	1,8	1 1/4"	1"	9,8
MATRIX/I 5-4T/0,9	2470540004I	<b>576,00</b>	1,2	0,9		-	41,0	34,7	17,6	-	-	-	4,3	2,5	1 1/4"	1"	12,4
MATRIX/I 5-5T/1,3	2470550004I	<b>694,00</b>	1,8	1,3		-	51,0	43,5	22,0	-	-	-	5,8	3,3	1 1/4"	1"	16,7
MATRIX/I 5-6T/1,3	2470560004I	<b>825,00</b>	1,8	1,3		-	61,5	52,0	26,4	-	-	-	5,8	3,3	1 1/4"	1"	17,1
MATRIX/I 5-7T/1,5	2470570004I	<b>872,00</b>	2	1,5		-	72,0	61,0	30,8	-	-	-	6,6	3,8	1 1/4"	1"	19,6
MATRIX/I 5-8T/2,2	2470580004I	<b>933,00</b>	3	2,2		-	82,0	69,5	35,2	-	-	-	8,2	4,7	1 1/4"	1"	19,6
MATRIX/I 5-9T/2,2	2470590004I	<b>978,00</b>	3	2,2		-	92,0	78,0	39,6	-	-	-	8,2	4,7	1 1/4"	1"	19,7
MATRIX/I10-2T/0,75	2471020004I	<b>608,00</b>	1	0,75		-	-	21,4	19,1	12,8	-	-	3,0	1,7	1 1/2"	1 1/4"	11,2
MATRIX/I 10-3T/1,3	2471030004I	<b>657,00</b>	1,8	1,3		-	-	32,1	28,6	19,3	-	-	5,8	3,3	1 1/2"	1 1/4"	14,5
MATRIX/I 10-4T/1,5	2471040004I	<b>716,00</b>	2	1,5		-	-	43,0	38,1	25,7	-	-	6,6	3,8	1 1/2"	1 1/4"	18,2
MATRIX/I 10-5T/2,2	2471050004I	<b>701,00</b>	3	2,2		-	-	53,5	47,5	32,1	-	-	8,2	4,7	1 1/2"	1 1/4"	18,8
MATRIX/I 10-6T/2,2	2471060004I	<b>935,00</b>	3	2,2		-	-	64,5	57,0	38,5	-	-	8,2	4,7	1 1/2"	1 1/4"	19,2
MATRIX/I 18-2T/1,5	2471820004I	<b>807,00</b>	2	1,5		-	-	-	22,0	20,2	16,8	5,2	6,6	3,8	2"	1 1/2"	17,1
MATRIX/I 18-3T/2,2	2471830004I	<b>838,00</b>	3	2,2		-	-	-	33,0	30,4	25,2	7,8	8,2	4,7	2"	1 1/2"	18,1
MATRIX/I 18-4T/3	2471840004I	<b>1.019,00</b>	4	3		-	-	-	44,0	40,5	33,6	10,4	11,1	6,4	2"	1 1/2"	23,8
MATRIX/I 18-5T/4	2471850004I	<b>1.351,00</b>	5,5	4		-	-	-	55,0	50,5	42,0	13,0	15,1	8,7	2"	1 1/2"	33,2
MATRIX/I 18-6T/4	2471860004I	<b>1.444,00</b>	5,5	4		-	-	-	66,0	60,5	50,5	15,6	15,1	8,7	2"	1 1/2"	34,2

Standard version with WRAS approval (up to 85°C)  
 "TE" version for high temperature (up to 110°C) available with 62,00€ increase on the price list.



# CVM



## Vertical multistage centrifugal pumps in cast iron

Reliable vertical multistage motor-driven centrifugal pumps with very low noise and ease of maintenance. Suitable for increasing pressure in general, pressure boosting systems, irrigation, washing systems and handling clean water.



Pump supplied with counter-flanges



Easy maintenance



Practical and easy to use



Low noise

## Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 416
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

## Technical data

Max. working pressure	11 bar
Max. temperature of the liquid	40°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



### Tanks

Page 382 - 8/10/16 bar 5/24 litres tanks



### Pressure switches

Page 377 - 1,4÷10,5 bar pressure switches



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**  
Pressure regulator

Page 632 - **E-power**  
Variable speed control systems

Page 360 - **E-drive**  
Variable speed control systems

Page 364 - **Control panels**  
1EP-E SERIES, QA50/B, QA60/C, SMART



### Floats

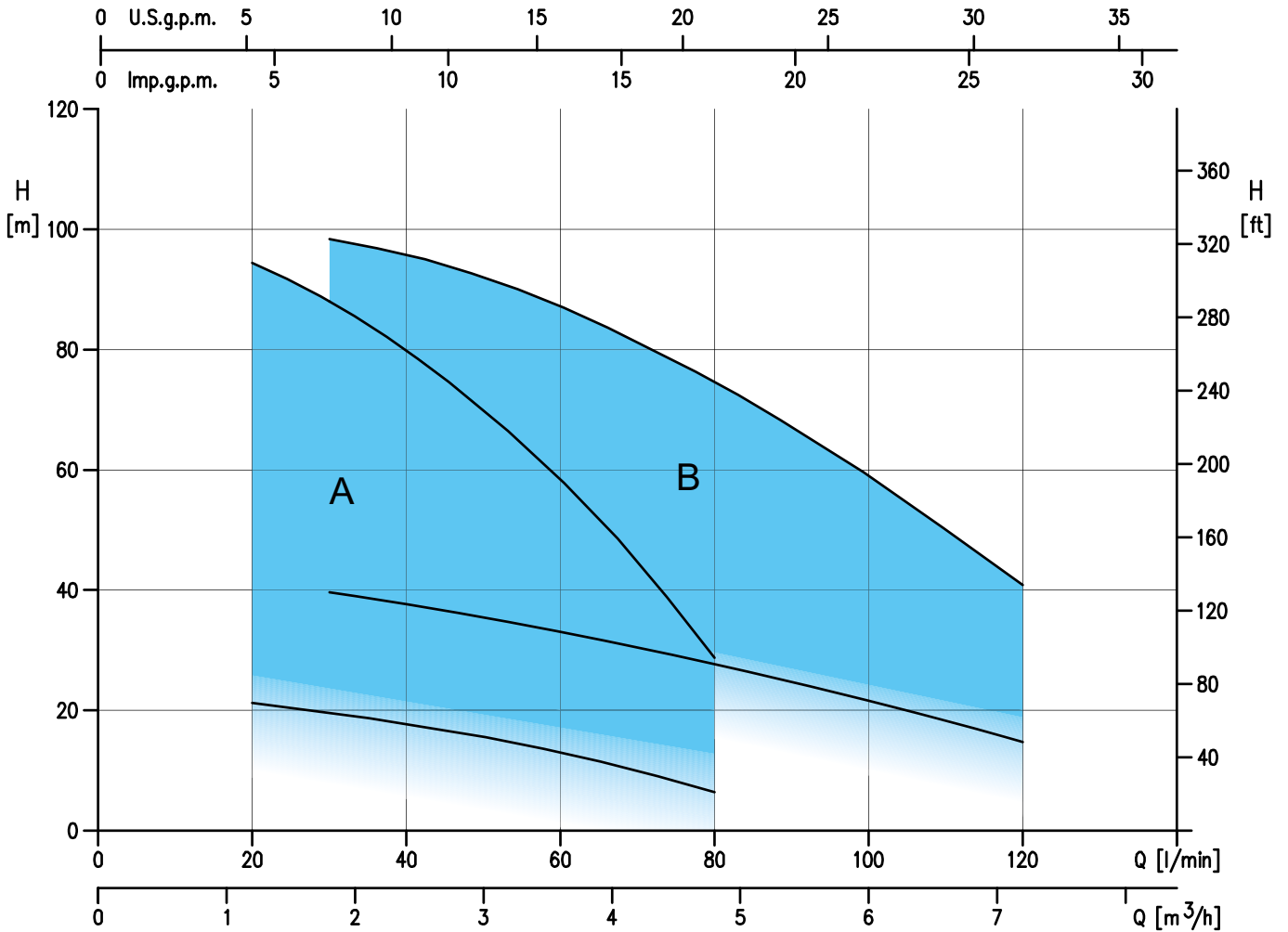
Page 377 - 5/10 m key floats with counterweight

# CVM

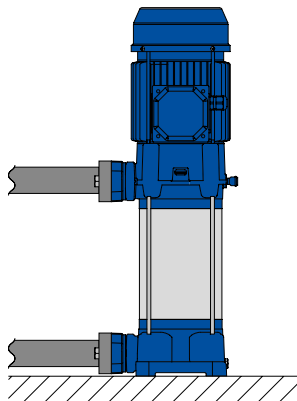
Vertical multistage centrifugal pumps in cast iron



Multistage



## Installation



CVM centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long – life working without a demanding maintenance is required.



# CVM



## Vertical multistage centrifugal pumps in cast iron

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120				
					m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]																
CVM AM/4	2170000000	<b>367,00</b>	0,4	0,3		21,2	19,7	17,8	13,0	6,4	-	-	2,6	G1¼	G1¼	11,0
CVM AM/6	2170010000	<b>391,00</b>	0,6	0,44		31,8	29,5	26,7	19,4	9,6	-	-	3,2	G1¼	G1¼	11,7
CVM AM/8	2170020000	<b>434,00</b>	0,8	0,6		42,5	39,4	35,6	25,9	12,8	-	-	4	G1¼	G1¼	12,7
CVM AM/10	2170030000	<b>495,00</b>	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	6	G1¼	G1¼	16,5
CVM AM/12	2170040000	<b>543,00</b>	1,2	0,9		69,0	65,0	59,5	44,0	23,4	-	-	6,5	G1¼	G1¼	17,5
CVM AM/15	2170050000	<b>554,00</b>	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	7,2	G1¼	G1¼	18,5
CVM/A AM/18	2170100000A	<b>693,00</b>	1,8	1,3		94,5	88,0	80,0	58,5	28,8	-	-	7,8	G1¼	G1¼	21,2
CVM BM/10	2170060000	<b>445,00</b>	1	0,75		-	36,2	35,1	32,0	27,5	21,6	14,7	5,6	G1¼	G1¼	15,9
CVM BM/12	2170070000	<b>488,00</b>	1,2	0,9		-	48,0	46,8	42,6	36,6	28,8	19,6	6,2	G1¼	G1¼	16,8
CVM BM/15	2170080000	<b>520,00</b>	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	7,4	G1¼	G1¼	18,0
CVM/A BM/20	2170090000A	<b>640,00</b>	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	8,3	G1¼	G1¼	21,3
CVM BM/23	2170110000	<b>680,00</b>	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	9,6	G1¼	G1¼	22,6

Pumps supplied with counterflanges

Three phase 230/400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120	230V	400V			
					m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2					
H=Total head [m]																	
CVM A/4	2170000004	<b>410,00</b>	0,4	0,3		21,2	19,7	17,8	13,0	6,4	-	-	1,9	1,1	G1¼	G1¼	11,0
CVM A/6	2170010004	<b>386,00</b>	0,6	0,44		31,8	29,5	26,7	19,4	9,6	-	-	2,3	1,3	G1¼	G1¼	11,6
CVM A/8	2170020004	<b>422,00</b>	0,8	0,6		42,5	39,4	35,6	25,9	12,8	-	-	2,8	1,6	G1¼	G1¼	12,6
CVM/I A/10	2170030004I	<b>511,00</b>	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	3	1,7	G1¼	G1¼	16,6
CVM/I A/12	2170040004I	<b>548,00</b>	1,2	0,9		69,0	65,0	59,5	44,0	23,4	-	-	4,3	2,5	G1¼	G1¼	18,4
CVM/I A/15	2170050004I	<b>572,00</b>	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	4,3	2,5	G1¼	G1¼	18,6
CVM/I A/18	2170100004I	<b>711,00</b>	1,8	1,3		94,5	88,0	80,0	58,5	28,8	-	-	5,8	3,3	G1¼	G1¼	22,7
CVM/I B/10	2170060004I	<b>495,00</b>	1	0,75		-	36,2	35,1	32,0	27,5	21,6	14,7	3	1,7	G1¼	G1¼	15,9
CVM/I B/12	2170070004I	<b>511,00</b>	1,2	0,9		-	48,0	46,8	42,6	36,6	28,8	19,6	4,3	2,5	G1¼	G1¼	17,5
CVM/I B/15	2170080004I	<b>530,00</b>	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	4,3	2,5	G1¼	G1¼	17,9
CVM/I B/20	2170090004I	<b>680,00</b>	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	6,6	3,8	G1¼	G1¼	23,7
CVM/I B/23	2170110004I	<b>699,00</b>	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	7,1	4,1	G1¼	G1¼	24,3
CVM/I B/25	2170120004I	<b>735,00</b>	2,5	1,85		-	98,5	96,0	87,0	74,5	59,0	41,0	8,2	4,7	G1¼	G1¼	24,6

Pumps supplied with counterflanges

Multistage

# CVM with E-drive



## Electronic vertical multistage centrifugal pumps in cast iron

Vertical multistage centrifugal pumps complete of inverter. Reliable, these pumps combine the features of a standard CVM and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Pump supplied with counter-flanges



Easy maintenance



Practical and easy to use



Low noise

## Technical data

**Max. working pressure** 11 bar

**Max. temperature of the liquid** 40°C

**MEI** > 0,4

**Poles** 2

**Insulation class** F

**Protection degree** IP44

**Voltage** Inverter single phase 230V  
Inverter three phase 400V

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	PPE+PS reinforced with fibreglass
<b>Shaft</b>	AISI 416
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Cast iron

## Accessories



### Tanks

Page 382 - 8/10/16 bar 5/24 litres tanks



### Floats

Page 377 - 5/10 m key floats with counterweight



### Pressure switches

Page 377 - 1,4÷10,5 bar pressure switches

# CVM E-drive



Electronic vertical multistage centrifugal pumps in cast iron

Single phase 230V*													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]** 230V	DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120				
					m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]																
CVM/I A/10 EDM	1547501101I	<b>1.326,00</b>	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	15	G1¼	G1¼	20,6
CVM/I A/12 EDM	1547501102I	<b>1.374,00</b>	1	0,9		69,0	65,0	59,5	44,0	23,4	-	-	15	G1¼	G1¼	22,4
CVM/I A/15 EDM	1547501103I	<b>1.385,00</b>	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	15	G1¼	G1¼	22,6
CVM/I B/15 EDM	1547501104I	<b>1.351,00</b>	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	15	G1¼	G1¼	21,9
CVM/I B/20 EDM	1547501105I	<b>1.490,00</b>	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	15	G1¼	G1¼	26,8

\* Inverter single phase 230V main supply with 230V three phase pump

\*\* Max. absorbed current from the inverter

Three phase 400V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]** 400V	DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120				
					m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]																
CVM/I A/10 EDT	1547501108I	<b>2.110,00</b>	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	21,1	G1¼	G1¼	21,1
CVM/I A/12 EDT	1547501109I	<b>2.147,00</b>	1	0,9		69,0	65,0	59,5	44,0	23,4	-	-	22,9	G1¼	G1¼	22,9
CVM/I A/15 EDT	1547501110I	<b>2.150,00</b>	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	23,1	G1¼	G1¼	23,1
CVM/I B/15 EDT	1547501111I	<b>2.129,00</b>	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	22,4	G1¼	G1¼	22,4
CVM/I B/20 EDT	1547501112I	<b>2.147,00</b>	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	27,3	G1¼	G1¼	27,3
CVM/I B/23 EDT	1547501106I	<b>2.165,00</b>	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	27,9	G1¼	G1¼	27,9
CVM/I B/25 EDT	1547501107I	<b>2.202,00</b>	2,5	1,85		-	98,5	96,0	87,0	74,5	59,0	41,0	28,2	G1¼	G1¼	28,2

\*\* Max. absorbed current from the inverter

# MULTIGO



## Vertical multistage centrifugal pumps in AISI 304

Reliable vertical multistage centrifugal pumps featuring particularly silent running. Fitted with motor cooled by the flow of water being handled and double mechanical seal with a chamber between them containing the lubricating liquid, assuring long life. Suitable for pressure boosting in domestic, community, hospital etc. water supply systems, handling liquids in places subject to flooding, supplying fountains and dancing water features and for sprinkler irrigation of small vegetable patches and gardens. Comes with 5 m length of H07 RN-F power cord. In-line version available for single phase models.



Easy maintenance



Practical and easy to use



Low noise

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C
Max. suction depth	6m
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ±10% Three phase 230V - 400V ±10%

## Materials

Pump body	AISI 304
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 431
Mechanical seal	Ceramic/Carbon/NBR
Motor cover	AISI 304

## Low noise emission

These vertical multistage centrifugal pumps are particularly silent running. The motor is cooled by the flow of water being handled, which flows over the motor casing. The liquid passes through an innerspace which encloses the whole pump, also dampening the vibrations caused by the hydraulic action.

## Accessories



### Tanks

Page 382 - 8/10/16 bar 5/24 litres tanks



### Pressure switches

Page 377 - 1,4÷10,5 bar pressure switches



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart



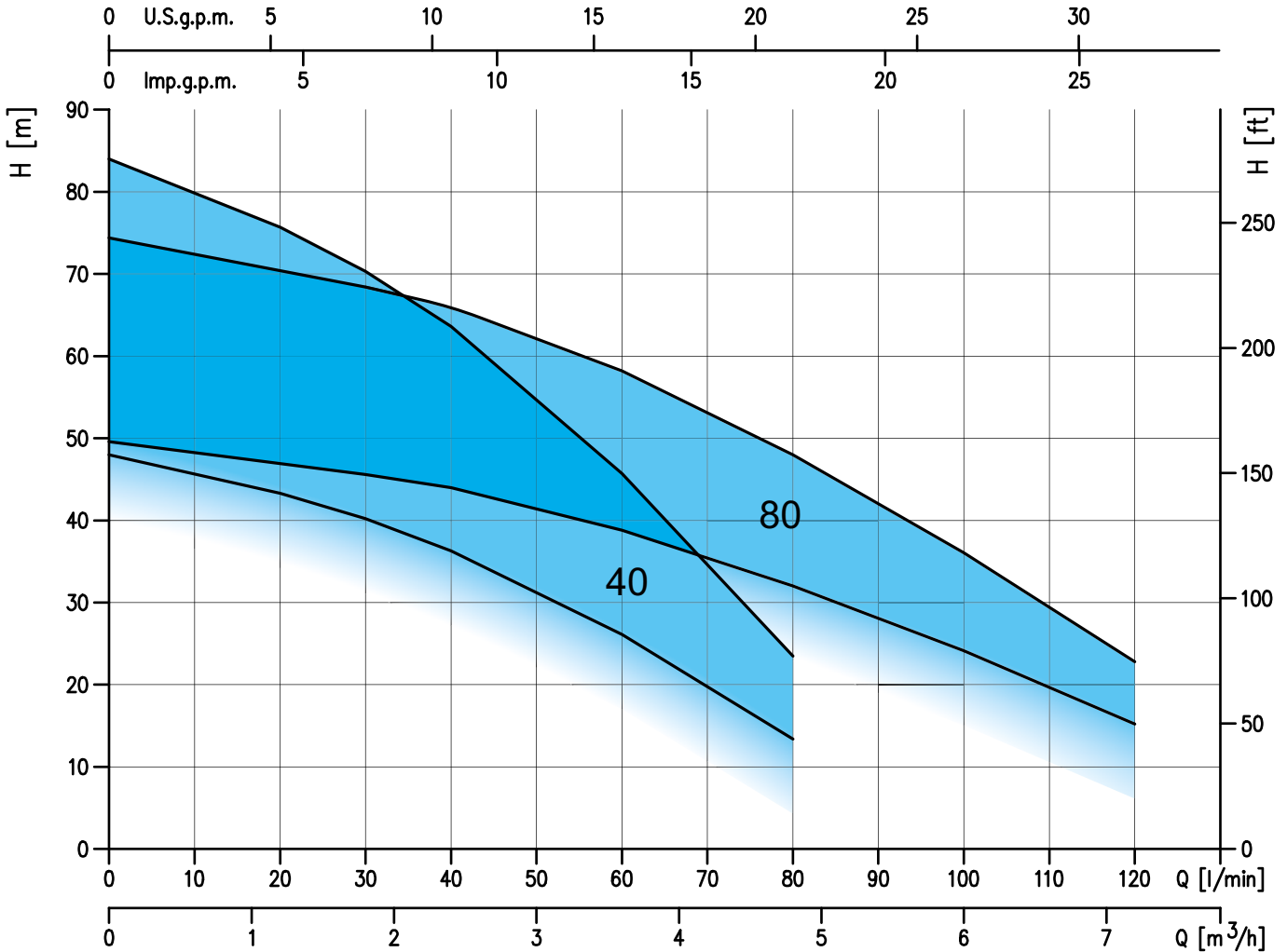
### Floats

Page 377 - 5/10 m key floats with counterweight

# MULTIGO

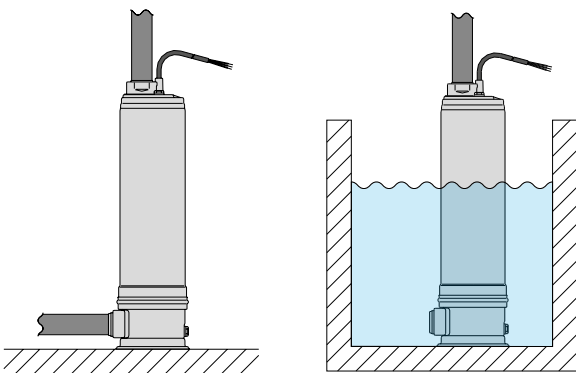


Vertical multistage centrifugal pumps in AISI 304



Multistage

## Installation



MULTIGO centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a water distribution, long - life working without a demanding maintenance is required. MULTIGO pumps, thank to their versatility, can be used submersed in tank

# MULTIGO



## Vertical multistage centrifugal pumps in AISI 304

Multistage

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120				
					m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]																
MULTIGO M40/8	1564040121	<b>567,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1¼	G1¼	15,3
MULTIGO M40/10	1564050121	<b>586,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1¼	G1¼	16,5
MULTIGO M40/12	1564060121	<b>617,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1¼	G1¼	17,7
MULTIGO M40/15	1564070121	<b>645,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1¼	G1¼	18,8
MULTIGO M80/12	1578060121	<b>645,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1¼	G1¼	17,0
MULTIGO M80/15	1578070121	<b>703,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1¼	G1¼	18,2

In-line version available with 20% increase on the price list

Three phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120				
					m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]																
MULTIGO 40/8	1564040009	<b>784,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1¼	G1¼	16,0
MULTIGO 40/10	1564050009	<b>833,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1¼	G1¼	17,0
MULTIGO 40/12	1564060009	<b>876,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1¼	G1¼	18,0
MULTIGO 40/15	1564070006	<b>884,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1¼	G1¼	18,7
MULTIGO 80/12	1578060009	<b>857,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1¼	G1¼	17,4
MULTIGO 80/15	1578070009	<b>931,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1¼	G1¼	18,2
MULTIGO 80/20	1578080009	<b>968,00</b>	2	1,5		-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1¼	G1¼	19,2

Three phase 400V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120				
					m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]																
MULTIGO 40/8	1564040104	<b>499,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	1,9	G1¼	G1¼	16,0
MULTIGO 40/10	1564050104	<b>510,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	2,2	G1¼	G1¼	17,0
MULTIGO 40/12	1564060104	<b>551,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	2,4	G1¼	G1¼	18,0
MULTIGO 40/15	1564070104	<b>578,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	3	G1¼	G1¼	18,7
MULTIGO 80/12	1578060104	<b>557,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	2,3	G1¼	G1¼	17,4
MULTIGO 80/15	1578070104	<b>613,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	3,1	G1¼	G1¼	18,2
MULTIGO 80/20	1578080104	<b>633,00</b>	2	1,5		-	68,4	66,0	58,2	48,0	34,8	22,8	3,5	G1¼	G1¼	19,2



# EVMS(L)(G)



## Vertical multistage pumps in AISI 304, AISI 316, cast iron

Vertical multistage pumps in AISI 304 (EVMS), AISI 316 (EVMSL) stainless steel and cast iron (EVMSG) multistage pumps. Reliable, quiet and easy to maintain. Used in residential, commercial, industrial, agricultural and fire-fighting pressure boosting systems, in primary water treatment, reverse osmosis, filtration systems, etc. Suitable for handling moderately aggressive fluids, filling boilers, washing, heating, refrigeration and airconditioning systems.



Available for EVMS and EVMSL

Available in AISI 316 (EVMSL)	Available in cast iron (EVMSG)	Easy maintenance	High efficiency	Different solutions for pipe connections

## Materials

<b>Pump body</b>	AISI 304 AISI 316L (EVMSL) Cast iron (EVMSG)	
<b>Impeller</b>	AISI 304 AISI 316L (EVMSL)	
<b>Shaft</b>	AISI 304 AISI 316L (EVMSL)	
<b>Mechanical seal</b>	Unbalanced	Q <sub>1</sub> BEG: SiC/Carbon/EPDM Q <sub>1</sub> BVG: SiC/Carbon/FPM
	Balanced	HQ <sub>1</sub> BEG: SiC/Carbon/EPDM HQ <sub>9</sub> Q <sub>1</sub> EG: SiC/SiC/EPDM HQ <sub>1</sub> BVG: SiC/Carbon/FPM HQ <sub>9</sub> Q <sub>1</sub> VG: SiC/SiC/FPM
<b>Motor support</b>	Cast iron	

## Technical data

<b>Max. working pressure</b>	16 bar for oval flanged version (N) 25 bar for the rest of the range
<b>Max. temperature of the liquid</b>	-30° ÷ +140°C
<b>MEI</b>	> 0,7
<b>Poles</b>	2
<b>Insulation class</b>	F (temperature rise class B)
<b>Protection degree</b>	IP55
<b>Voltage</b>	Single phase 230V±10% Three phase 230/400V±10% (up to 4 kW) Three phase 400/690±10% (from 5,5 kW)

## Accessories



**Counterflanges kit**  
Page 387 - Galvanized and AISI 316 counterflanges kit



**Control panels and Control systems**  
Page 360 - E-drive  
Variable speed control systems  
Page 364 - Control panels  
1EP-E SERIES, QM1, QT1, QS1, QA50/B, QA60/C, SMART



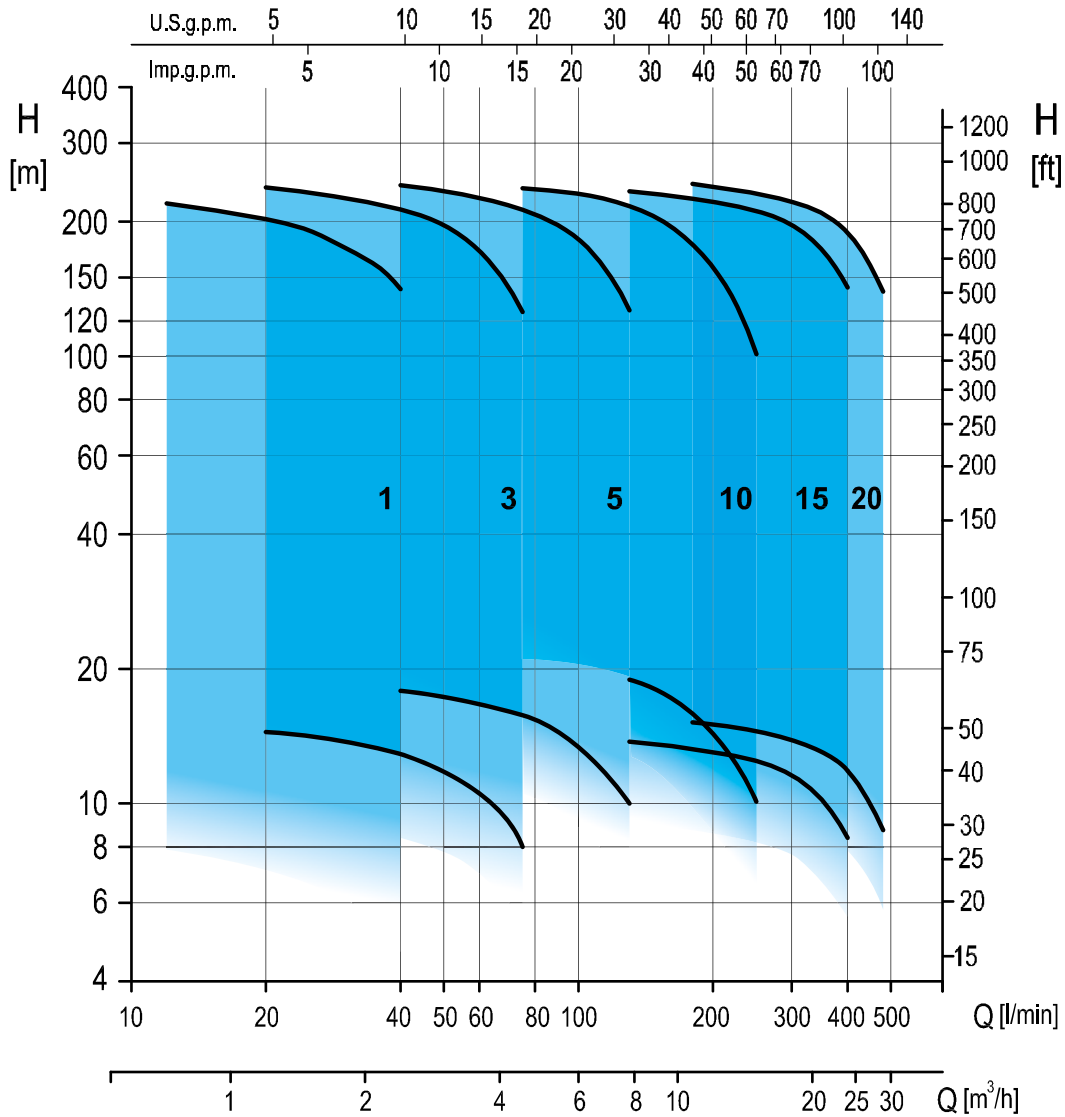
**Connections**  
Page 386 - Victaulic® coupling (V)  
- Victaulic® coupling (V) with stubs pipe  
- Clamp pipe stub for welding (C)

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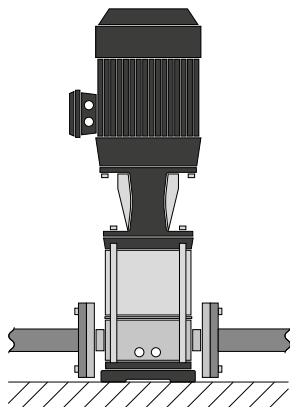
Vertical multistage pumps in AISI 304, AISI 316, cast iron



Multistage



## Installation



EVMS centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

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Vertical multistage pumps



## Selection table

Model		HP	kW	Q=Flow rate						Motor size	Abs. Curr. [A]		
Single phase 230V	Three phase 230/400V			l/min	0	12	20	30	40		1~ 230V	3~	
				m³/h	0	0,7	1,2	1,8	2,4			230V	400V
				H=Total head [m]									
EVMS(.)1 2/0.37M	EVMS(.)1 2/0.37	0,5	0,37		11,9	11,2	10,4	9,1	7,1	71	3,1	1,70	1,00
EVMS(.)1 3/0.37M	EVMS(.)1 3/0.37	0,5	0,37		17,9	16,8	15,6	13,6	10,6	71	3,1	1,70	1,00
EVMS(.)1 4/0.37M	EVMS(.)1 4/0.37	0,5	0,37		23,8	22,4	20,8	18,2	14,2	71	3,1	1,70	1,00
EVMS(.)1 5/0.37M	EVMS(.)1 5/0.37	0,5	0,37		30,0	28,0	26,0	22,7	17,7	71	3,1	1,70	1,00
EVMS(.)1 6/0.37M	EVMS(.)1 6/0.37	0,5	0,37		35,8	33,6	31,2	27,3	21,2	71	3,1	1,70	1,00
EVMS(.)1 7/0.37M	EVMS(.)1 7/0.37	0,5	0,37		41,5	39,2	36,4	31,8	24,8	71	3,1	1,70	1,00
EVMS(.)1 8/0.37M	EVMS(.)1 8/0.37	0,5	0,37		47,5	44,5	41,5	36,4	28,3	71	3,1	1,70	1,00
EVMS(.)1 9/0.55M	EVMS(.)1 9/0.55	0,75	0,55		53,5	50,5	47,0	41,0	31,8	71	3,9	2,60	1,50
EVMS(.)1 10/0.55M	EVMS(.)1 10/0.55	0,75	0,55		59,6	56,0	52,0	45,5	35,4	71	3,9	2,60	1,50
EVMS(.)1 11/0.55M	EVMS(.)1 11/0.55	0,75	0,55		65,5	61,5	57,0	50,0	38,9	71	3,9	2,60	1,50
EVMS(.)1 12/0.55M	EVMS(.)1 12/0.55	0,75	0,55		71,5	67,0	62,5	54,5	42,5	71	3,9	2,60	1,50
EVMS(.)1 13/0.55M	EVMS(.)1 13/0.55	0,75	0,55		77,5	73,0	67,5	59,0	46,0	71	3,9	2,60	1,50
EVMS(.)1 14/0.75M	EVMS(.)1 14/0.75	1	0,75		83,5	78,5	73,0	63,5	49,5	80	5,3	3,0	1,7
EVMS(.)1 16/0.75M	EVMS(.)1 16/0.75	1	0,75		95,5	89,5	83,0	72,5	56,5	80	5,3	3,0	1,7
EVMS(.)1 18/1.1M	EVMS(.)1 18/1.1	1,5	1,1		107,0	101,0	93,5	82,0	63,5	80	6,5	4,3	2,5
EVMS(.)1 20/1.1M	EVMS(.)1 20/1.1	1,5	1,1		119,0	112,0	104,0	91,0	71,0	80	6,5	4,3	2,5
EVMS(.)1 22/1.1M	EVMS(.)1 22/1.1	1,5	1,1		131,0	123,0	114,0	100,0	78,0	80	6,5	4,3	2,5
EVMS(.)1 24/1.1M	EVMS(.)1 24/1.1	1,5	1,1		143,0	135,0	125,0	109,0	85,0	80	6,5	4,3	2,5
EVMS(.)1 26/1.1M	EVMS(.)1 26/1.1	1,5	1,1		155,0	146,0	135,0	118,0	92,0	80	6,5	4,3	2,5
EVMS(.)1 27/1.5M	EVMS(.)1 27/1.5	2	1,5		161,0	151,0	140,0	123,0	95,5	90	8,8	5,8	3,3
EVMS(.)1 29/1.5M	EVMS(.)1 29/1.5	2	1,5		173,0	163,0	151,0	132,0	103,0	90	8,8	5,8	3,3
EVMS(.)1 32/1.5M	EVMS(.)1 32/1.5	2	1,5		191,0	179,0	166,0	145,0	113,0	90	8,8	5,8	3,3
EVMS(.)1 34/1.5M	EVMS(.)1 34/1.5	2	1,5		203,0	191,0	177,0	155,0	120,0	90	8,8	5,8	3,3
EVMS(.)1 37/2.2M	EVMS(.)1 37/2.2	3	2,2		221,0	207,0	192,0	168,0	131,0	90	12,9	8,2	4,7
EVMS(.)1 39/2.2M	EVMS(.)1 39/2.2	3	2,2		232,0	219,0	203,0	177,0	138,0	90	12,9	8,2	4,7

Multistage

## Model configuration

Cartridge shaft seal		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 124	page 124	o	o	o	page 126	page 126
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 124	o	o	o	o	16 bar: o 25 bar: page 126
Balanced SiC/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o



o On request, please contact our sales network.  
 Included: oval counterflanges (N), clamp connections (C)  
 Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 386

# EVMS 1



## Vertical multistage pumps in AISI 304

Multistage

			Oval flange (N)		Round flange (F)	
						
			DNA DNM G1		DNA DNM Ø25	
Model	HP	KW	Code 3 x 230/400V	£ Stg	Code 3 x 230/400V	£ Stg
EVMS1-2	0,5	0,37	26251000024	582,00	26251100024	590,00
EVMS1-3	0,5	0,37	26251000034	594,00	26251100034	606,00
EVMS1-4	0,5	0,37	26251000044	609,00	26251100044	621,00
EVMS1-5	0,5	0,37	26251000054	632,00	26251100054	538,00
EVMS1-6	0,5	0,37	26251000064	653,00	26251100064	666,00
EVMS1-7	0,5	0,37	26251000074	671,00	26251100074	682,00
EVMS1-8	0,5	0,37	26251000084	680,00	26251100084	692,00
EVMS1-9	0,75	0,55	26251000094	716,00	26251100094	727,00
EVMS1-10	0,75	0,55	26251000104	725,00	26251100104	737,00
EVMS1-11	0,75	0,55	26251000114	747,00	26251100114	758,00
EVMS1-12	0,75	0,55	26251000124	782,00	26251100124	795,00
EVMS1-13	0,75	0,55	26251000134	810,00	26251100134	822,00
EVMS1-14	1	0,75	26251000145	847,00	26251100145	859,00
EVMS1-16	1	0,75	26251000165	911,00	26251100165	922,00
EVMS1-18	1,5	1,1	26251000185	967,00	26251100185	979,00
EVMS1-20	1,5	1,1	26251000205	1.000,00	26251100205	1.012,00
EVMS1-22	1,5	1,1	26251000225	1.033,00	26251100225	1.044,00
EVMS1-24	1,5	1,1	26251000245	1.065,00	26251100245	1.077,00
EVMS1-26	1,5	1,1	26251000265	1.108,00	26251100265	1.110,00
EVMS1-27	2	1,5	-	-	26251100275	1.239,00
EVMS1-29	2	1,5	-	-	26251100295	1.283,00
EVMS1-32	2	1,5	-	-	26251100325	1.329,00
EVMS1-34	2	1,5	-	-	26251100345	1.374,00
EVMS1-37	3	2,2	-	-	26251100375	1.421,00
EVMS1-39	3	2,2	-	-	26251100395	1.549,00



Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMSL 1



## Vertical multistage pumps in AISI 316

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 3 x 230/400V	£ Stg	Code 3 x 230/400V	£ Stg
				DNA DNM G1		DNA DNM Ø25
EVMSL1-2	0,5	0,37	26252000024	<b>774,00</b>	26252100024	<b>789,00</b>
EVMSL1-3	0,5	0,37	26252000034	<b>784,00</b>	26252100034	<b>800,00</b>
EVMSL1-4	0,5	0,37	26252000044	<b>809,00</b>	26252100044	<b>825,00</b>
EVMSL1-5	0,5	0,37	26252000054	<b>823,00</b>	26252100054	<b>838,00</b>
EVMSL1-6	0,5	0,37	26252000064	<b>848,00</b>	26252100064	<b>863,00</b>
EVMSL1-7	0,5	0,37	26252000074	<b>870,00</b>	26252100074	<b>887,00</b>
EVMSL1-8	0,5	0,37	26252000084	<b>883,00</b>	26252100084	<b>898,00</b>
EVMSL1-9	0,75	0,55	26252000094	<b>893,00</b>	26252100094	<b>909,00</b>
EVMSL1-10	0,75	0,55	26252000104	<b>928,00</b>	26252100104	<b>943,00</b>
EVMSL1-11	0,75	0,55	26252000114	<b>974,00</b>	26252100114	<b>991,00</b>
EVMSL1-12	0,75	0,55	26252000124	<b>996,00</b>	26252100124	<b>1.012,00</b>
EVMSL1-13	0,75	0,55	26252000134	<b>1.030,00</b>	26252100134	<b>1.045,00</b>
EVMSL1-14	1	0,75	26252000145	<b>1.065,00</b>	26252100145	<b>1.081,00</b>
EVMSL1-16	1	0,75	26252000165	<b>1.132,00</b>	26252100165	<b>1.146,00</b>
EVMSL1-18	1,5	1,1	26252000185	<b>1.207,00</b>	26252100185	<b>1.223,00</b>
EVMSL1-20	1,5	1,1	26252000205	<b>1.241,00</b>	26252100205	<b>1.255,00</b>
EVMSL1-22	1,5	1,1	26252000225	<b>1.273,00</b>	26252100225	<b>1.289,00</b>
EVMSL1-24	1,5	1,1	26252000245	<b>1.409,00</b>	26252100245	<b>1.426,00</b>
EVMSL1-26	1,5	1,1	26252000265	<b>1.483,00</b>	26252100265	<b>1.499,00</b>
EVMSL1-27	2	1,5	-	-	26252100275	<b>1.571,00</b>
EVMSL1-29	2	1,5	-	-	26252100295	<b>1.639,00</b>
EVMSL1-32	2	1,5	-	-	26252100325	<b>1.718,00</b>
EVMSL1-34	2	1,5	-	-	26252100345	<b>1.741,00</b>
EVMSL1-37	3	2,2	-	-	26252100375	<b>1.832,00</b>
EVMSL1-39	3	2,2	-	-	26252100395	<b>1.941,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMSG 1

Vertical multistage pumps in cast iron



			Oval flange (N)		Round flange (F)	
			 DNA DNM G1		 DNA DNM Ø25	
Model	HP	KW	Code 3 x 230/400V	£ Stg	Code 3 x 230/400V	£ Stg
EVMSG1-2	0,5	0,37	26250000024	554,00	26250100024	565,00
EVMSG1-3	0,5	0,37	26250000034	564,00	26250100034	576,00
EVMSG1-4	0,5	0,37	26250000044	579,00	26250100044	591,00
EVMSG1-5	0,5	0,37	26250000054	601,00	26250100054	612,00
EVMSG1-6	0,5	0,37	26250000064	620,00	26250100064	632,00
EVMSG1-7	0,5	0,37	26250000074	636,00	26250100074	648,00
EVMSG1-8	0,5	0,37	26250000084	646,00	26250100084	657,00
EVMSG1-9	0,75	0,55	26250000094	679,00	26250100094	691,00
EVMSG1-10	0,75	0,55	26250000104	688,00	26250100104	701,00
EVMSG1-11	0,75	0,55	26250000114	709,00	26250100114	721,00
EVMSG1-12	0,75	0,55	26250000124	744,00	26250100124	755,00
EVMSG1-13	0,75	0,55	26250000134	770,00	26250100134	781,00
EVMSG1-14	1	0,75	26250000145	805,00	26250100145	816,00
EVMSG1-16	1	0,75	26250000165	864,00	26250100165	877,00
EVMSG1-18	1,5	1,1	26250000185	919,00	26250100185	931,00
EVMSG1-20	1,5	1,1	26250000205	951,00	26250100205	962,00
EVMSG1-22	1,5	1,1	26250000225	981,00	26250100225	992,00
EVMSG1-24	1,5	1,1	26250000245	1.012,00	26250100245	1.023,00
EVMSG1-26	1,5	1,1	26250000265	1.043,00	26250100265	1.055,00
EVMSG1-27	2	1,5	-	-	26250100275	1.176,00
EVMSG1-29	2	1,5	-	-	26250100295	1.219,00
EVMSG1-32	2	1,5	-	-	26250100325	1.262,00
EVMSG1-34	2	1,5	-	-	26250100345	1.306,00
EVMSG1-37	3	2,2	-	-	26250100375	1.349,00
EVMSG1-39	3	2,2	-	-	26250100395	1.472,00

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMS(L)(G) 3

Vertical multistage pumps



## Selection table

Model		HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]		
Single phase 230V	Three phase 230/400V			l/min m³/h	H=Total head [m]					75 4,5		1~ 230V	3~ 230V 400V	
					0	20	30	40	60				0	1,2
EVMS(.)3 2/0.37M	EVMS(.)3 2/0.37	0,5	0,37	14,7	14,1	13,6	12,9	10,9	8,3	71	3,1	1,70	1,00	
EVMS(.)3 3/0.37M	EVMS(.)3 3/0.37	0,5	0,37	22,1	21,1	20,4	19,4	16,4	12,5	71	3,1	1,70	1,00	
EVMS(.)3 4/0.37M	EVMS(.)3 4/0.37	0,5	0,37	29,5	28,2	27,1	25,8	21,9	16,7	71	3,1	1,70	1,00	
EVMS(.)3 5/0.55M	EVMS(.)3 5/0.55	0,75	0,55	36,9	35,2	33,9	32,3	27,4	20,9	71	3,9	2,60	1,50	
EVMS(.)3 6/0.55M	EVMS(.)3 6/0.55	0,75	0,55	44,2	42,5	40,5	38,8	32,8	25	71	3,9	2,60	1,50	
EVMS(.)3 7/0.75M	EVMS(.)3 7/0.75	1	0,75	51,5	49,5	47,5	45	38,3	29,2	80	5,3	3,0	1,7	
EVMS(.)3 8/0.75M	EVMS(.)3 8/0.75	1	0,75	59	56,5	54,5	51,5	44	33,4	80	5,3	3,0	1,7	
EVMS(.)3 9/1.1M	EVMS(.)3 9/1.1	1,5	1,1	66,5	63,5	61	58	49	37,6	80	6,5	4,3	2,5	
EVMS(.)3 10/1.1M	EVMS(.)3 10/1.1	1,5	1,1	73,5	70,5	68	64,5	54,5	41,5	80	6,5	4,3	2,5	
EVMS(.)3 11/1.1M	EVMS(.)3 11/1.1	1,5	1,1	81	77,5	74,5	71	60	46,0	80	6,5	4,3	2,5	
EVMS(.)3 12/1.1M	EVMS(.)3 12/1.1	1,5	1,1	88,5	84,5	81,5	77,5	65,5	50,0	80	6,5	4,3	2,5	
EVMS(.)3 13/1.5M	EVMS(.)3 13/1.5	2	1,5	96	91,5	88	84	71	54,5	90	8,8	5,8	3,3	
EVMS(.)3 14/1.5M	EVMS(.)3 14/1.5	2	1,5	103	98,5	95	90,5	76,5	58,5	90	8,8	5,8	3,3	
EVMS(.)3 15/1.5M	EVMS(.)3 15/1.5	2	1,5	111	106	102	97	82	62,5	90	8,8	5,8	3,3	
EVMS(.)3 16/1.5M	EVMS(.)3 16/1.5	2	1,5	118	113	109	103	87,5	67,0	90	8,8	5,8	3,3	
EVMS(.)3 17/2.2M	EVMS(.)3 17/2.2	3	2,2	125	120	115	110	93	71,0	90	12,9	8,2	4,7	
EVMS(.)3 19/2.2M	EVMS(.)3 19/2.2	3	2,2	140	134	129	123	104	79,5	90	12,9	8,2	4,7	
EVMS(.)3 21/2.2M	EVMS(.)3 21/2.2	3	2,2	155	148	142	136	115	87,5	90	12,9	8,2	4,7	
EVMS(.)3 23/2.2M	EVMS(.)3 23/2.2	3	2,2	170	162	156	149	126	96,0	90	12,9	8,2	4,7	
EVMS(.)3 24/2.2M	EVMS(.)3 24/2.2	3	2,2	177	169	163	155	131	100,0	90	12,9	8,2	4,7	
-	EVMS(.)3 25/3.0	4	3	184	176	170	161	137	104,0	100	-	11,1	6,4	
-	EVMS(.)3 27/3.0	4	3	199	190	183	174	148	113,0	100	-	11,1	6,4	
-	EVMS(.)3 29/3.0	4	3	214	204	197	187	159	121,0	100	-	11,1	6,4	
-	EVMS(.)3 31/3.0	4	3	229	218	210	200	170	129,0	100	-	11,1	6,4	
-	EVMS(.)3 33/3.0	4	3	243	232	224	213	181	138,0	100	-	11,1	6,4	

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316					EVMSG in cast iron		
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 128	page 128	o	o	o	page 130	page 130
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 128	o	o	o	o	16 bar: o 25 bar: page 130
Balanced SiC/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.  
 Included: oval counterflanges (N), clamp connections (C)  
 Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 386



Multistage

# EVMS 3



## Vertical multistage pumps in AISI 304

Multistage

			Oval flange (N)		Round flange (F)	
						
			DNA DNM G1		DNA DNM Ø25	
Model	HP	KW	Code 3 x 230/400V	£ Stg	Code 3 x 230/400V	£ Stg
EVMS3- 2	0,5	0,37	26351000024	<b>607,00</b>	26351100024	<b>620,00</b>
EVMS3- 3	0,5	0,37	26351000034	<b>636,00</b>	26351100034	<b>649,00</b>
EVMS3- 4	0,5	0,37	26351000044	<b>666,00</b>	26351100044	<b>678,00</b>
EVMS3- 5	0,75	0,55	26351000054	<b>683,00</b>	26351100054	<b>697,00</b>
EVMS3- 6	0,75	0,55	26351000064	<b>708,00</b>	26351100064	<b>721,00</b>
EVMS3- 7	1	0,75	26351000075	<b>778,00</b>	26351100075	<b>790,00</b>
EVMS3- 8	1	0,75	26351000085	<b>810,00</b>	26351100085	<b>823,00</b>
EVMS3- 9	1,5	1,1	26351000095	<b>909,00</b>	26351100095	<b>922,00</b>
EVMS3- 10	1,5	1,1	26351000105	<b>932,00</b>	26351100105	<b>944,00</b>
EVMS3- 11	1,5	1,1	26351000115	<b>983,00</b>	26351100115	<b>995,00</b>
EVMS3- 12	1,5	1,1	26351000125	<b>1.021,00</b>	26351100125	<b>1.034,00</b>
EVMS3- 13	2	1,5	26351000135	<b>1.199,00</b>	26351100135	<b>1.212,00</b>
EVMS3- 14	2	1,5	26351000145	<b>1.240,00</b>	26351100145	<b>1.252,00</b>
EVMS3- 15	2	1,5	26351000155	<b>1.254,00</b>	26351100155	<b>1.267,00</b>
EVMS3- 16	2	1,5	26351000165	<b>1.271,00</b>	26351100165	<b>1.283,00</b>
EVMS3- 17	3	2,2	26351000175	<b>1.319,00</b>	26351100175	<b>1.331,00</b>
EVMS3- 19	3	2,2	26351000195	<b>1.350,00</b>	26351100195	<b>1.362,00</b>
EVMS3- 21	3	2,2	26351000215	<b>1.381,00</b>	26351100215	<b>1.394,00</b>
EVMS3- 23	3	2,2	-	-	26351100235	<b>1.425,00</b>
EVMS3- 24	3	2,2	-	-	26351100245	<b>1.439,00</b>
EVMS3- 25	4	3	-	-	26351100255	<b>1.639,00</b>
EVMS3- 27	4	3	-	-	26351100275	<b>1.726,00</b>
EVMS3- 29	4	3	-	-	26351100295	<b>1.819,00</b>
EVMS3- 31	4	3	-	-	26351100315	<b>1.896,00</b>
EVMS3- 33	4	3	-	-	26351100335	<b>1.965,00</b>

Included: oval counterflanges (N)



Not included: round counterflanges as accessories. See page 386



# EVMSL 3

Vertical multistage pumps in AISI 316



Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 3 x 230/400V	£ Stg	Code 3 x 230/400V	£ Stg
				DNA DNM G1		DNA DNM Ø25
EVMSL3- 2	0,5	0,37	26352000024	<b>832,00</b>	26352100024	<b>846,00</b>
EVMSL3- 3	0,5	0,37	26352000034	<b>863,00</b>	26352100034	<b>877,00</b>
EVMSL3- 4	0,5	0,37	26352000044	<b>896,00</b>	26352100044	<b>909,00</b>
EVMSL3- 5	0,75	0,55	26352000054	<b>906,00</b>	26352100054	<b>919,00</b>
EVMSL3- 6	0,75	0,55	26352000064	<b>930,00</b>	26352100064	<b>942,00</b>
EVMSL3- 7	1	0,75	26352000075	<b>1.009,00</b>	26352100075	<b>1.022,00</b>
EVMSL3- 8	1	0,75	26352000085	<b>1.046,00</b>	26352100085	<b>1.060,00</b>
EVMSL3- 9	1,5	1,1	26352000095	<b>1.135,00</b>	26352100095	<b>1.147,00</b>
EVMSL3- 10	1,5	1,1	26352000105	<b>1.171,00</b>	26352100105	<b>1.184,00</b>
EVMSL3- 11	1,5	1,1	26352000115	<b>1.224,00</b>	26352100115	<b>1.238,00</b>
EVMSL3- 12	1,5	1,1	26352000125	<b>1.238,00</b>	26352100125	<b>1.250,00</b>
EVMSL3- 13	2	1,5	26352000135	<b>1.389,00</b>	26352100135	<b>1.402,00</b>
EVMSL3- 14	2	1,5	26352000145	<b>1.428,00</b>	26352100145	<b>1.440,00</b>
EVMSL3- 15	2	1,5	26352000155	<b>1.441,00</b>	26352100155	<b>1.455,00</b>
EVMSL3- 16	2	1,5	26352000165	<b>1.457,00</b>	26352100165	<b>1.470,00</b>
EVMSL3- 17	3	2,2	26352000175	<b>1.513,00</b>	26352100175	<b>1.527,00</b>
EVMSL3- 19	3	2,2	26352000195	<b>1.570,00</b>	26352100195	<b>1.583,00</b>
EVMSL3- 21	3	2,2	26352000215	<b>1.708,00</b>	26352100215	<b>1.720,00</b>
EVMSL3- 23	3	2,2	-	-	26352100235	<b>1.789,00</b>
EVMSL3- 24	3	2,2	-	-	26352100245	<b>1.834,00</b>
EVMSL3- 25	4	3	-	-	26352100255	<b>1.880,00</b>
EVMSL3- 27	4	3	-	-	26352100275	<b>1.948,00</b>
EVMSL3- 29	4	3	-	-	26352100295	<b>2.050,00</b>
EVMSL3- 31	4	3	-	-	26352100315	<b>2.059,00</b>
EVMSL3- 33	4	3	-	-	26352100335	<b>2.090,00</b>

Included: oval counterflanges (N)  
 Not included: round counterflanges as accessories. See page 386

Multistage

# EVMSG 3

Vertical multistage pumps in cast iron



Multistage

			Oval flange (N)		Round flange (F)	
			 DNA DNM G1		 DNA DNM Ø25	
Model	HP	KW	Code 3 x 230/400V	£ Stg	Code 3 x 230/400V	£ Stg
EVMSG1-2	0,5	0,37	26350000024	577,00	26350100024	590,00
EVMSG1-3	0,5	0,37	26350000034	605,00	26350100034	617,00
EVMSG1-4	0,5	0,37	26350000044	632,00	26350100044	644,00
EVMSG1-5	0,75	0,55	26350000054	649,00	26350100054	662,00
EVMSG1-6	0,75	0,55	26350000064	673,00	26350100064	684,00
EVMSG1-7	1	0,75	26350000075	739,00	26350100075	751,00
EVMSG1-8	1	0,75	26350000085	770,00	26350100085	782,00
EVMSG1-9	1,5	1,1	26350000095	873,00	26350100095	877,00
EVMSG1-10	1,5	1,1	26350000105	885,00	26350100105	898,00
EVMSG1-11	1,5	1,1	26350000115	933,00	26350100115	944,00
EVMSG1-12	1,5	1,1	26350000125	969,00	26350100125	983,00
EVMSG1-13	2	1,5	26350000135	1.139,00	26350100135	1.150,00
EVMSG1-14	2	1,5	26350000145	1.177,00	26350100145	1.189,00
EVMSG1-16	2	1,5	26350000155	1.192,00	26350100155	1.204,00
EVMSG1-18	2	1,5	26350000165	1.206,00	26350100165	1.219,00
EVMSG1-20	3	2,2	26350000175	1.253,00	26350100175	1.265,00
EVMSG1-22	3	2,2	26350000195	1.282,00	26350100195	1.295,00
EVMSG1-24	3	2,2	26350000215	1.311,00	26350100215	1.324,00
EVMSG1-26	3	2,2	-	-	26350100235	1.353,00
EVMSG1-27	3	2,2	-	-	26350100245	1.368,00
EVMSG1-29	4	3	-	-	26350100255	1.558,00
EVMSG1-32	4	3	-	-	26350100275	1.640,00
EVMSG1-34	4	3	-	-	26350100295	1.727,00
EVMSG1-37	4	3	-	-	26350100315	1.801,00
EVMSG1-39	4	3	-	-	26350100335	1.866,00

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMS(L)(G) 5

Vertical multistage pumps



## Selection table

Model		HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	40	60	75	100	130		1~ 230V	3~		
				m³/h	0	2,4	3,6	4,5	6	7,8			230V	400V	690V
				H=Total head [m]											
EVMS(.)5 2/0.37M	EVMS(.)5 2/0.37	0,5	0,37		19,0	18,0	17,1	16,0	13,8	10,2	71	3,1	1,70	1,00	-
EVMS(.)5 3/0.55M	EVMS(.)5 3/0.55	0,75	0,55		28,4	26,9	25,6	23,9	20,7	15,3	71	3,9	2,60	1,50	-
EVMS(.)5 4/0.75M	EVMS(.)5 4/0.75	1	0,75		37,9	35,9	34,1	31,9	27,6	20,4	80	5,3	3,0	1,7	-
EVMS(.)5 5/1.1M	EVMS(.)5 5/1.1	1,5	1,1		47,5	45,0	42,5	39,9	34,5	25,5	80	6,5	4,3	2,5	-
EVMS(.)5 6/1.5M	EVMS(.)5 6/1.5	2	1,5		57,0	54,0	51,0	48,0	41,5	30,6	90	8,8	5,8	3,3	-
EVMS(.)5 7/1.5M	EVMS(.)5 7/1.5	2	1,5		66,5	63,0	59,5	56,0	48,5	35,7	90	8,8	5,8	3,3	-
EVMS(.)5 8/2.2M	EVMS(.)5 8/2.2	3	2,2		76,0	72,0	68,0	64,0	55,0	41,0	90	12,9	8,2	4,7	-
EVMS(.)5 9/2.2M	EVMS(.)5 9/2.2	3	2,2		85,5	81,0	77,0	72,0	62,0	46,0	90	12,9	8,2	4,7	-
EVMS(.)5 10/2.2M	EVMS(.)5 10/2.2	3	2,2		95,0	90,0	85,5	80,0	69,0	51,0	90	12,9	8,2	4,7	-
EVMS(.)5 11/2.2M	EVMS(.)5 11/2.2	3	2,2		104,0	98,5	94,0	87,5	76,0	56,0	90	12,9	8,2	4,7	-
-	EVMS(.)5 12/3.0	4	3,0		114,0	108,0	102,0	95,5	83,0	61,0	100	-	11,1	6,4	-
-	EVMS(.)5 13/3.0	4	3,0		123,0	117,0	111,0	104,0	89,5	66,5	100	-	11,1	6,4	-
-	EVMS(.)5 14/3.0	4	3,0		133,0	126,0	119,0	112,0	96,5	71,5	100	-	11,1	6,4	-
-	EVMS(.)5 15/3.0	4	3,0		142,0	135,0	128,0	120,0	104,0	76,5	100	-	11,1	6,4	-
-	EVMS(.)5 17/4.0	5,5	4,0		161,0	153,0	145,0	136,0	117,0	86,5	112	-	15,1	8,7	-
-	EVMS(.)5 19/4.0	5,5	4,0		180,0	171,0	162,0	152,0	131,0	97,0	112	-	15,1	8,7	-
-	EVMS(.)5 20/4.0	5,5	4,0		190,0	179,0	171,0	160,0	138,0	102,0	112	-	15,1	8,7	-
-	EVMS(.)5 23/5.5	7,5	5,5		218,0	206,0	196,0	183,0	159,0	117,0	132	-	-	10,4	6,0
-	EVMS(.)5 25/5.5	7,5	5,5		237,0	224,0	213,0	199,0	173,0	127,0	132	-	-	10,4	6,0
-	EVMS(.)5 27/5.5	7,5	5,5		256,0	242,0	230,0	215,0	186,0	138,0	132	-	-	10,4	6,0

Multistage

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316					EVMSG in cast iron		
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 132	page 132	o	o	o	page 134	page 134
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 132	o	o	o	o	16 bar: o 25 bar: page 134
Balanced SiC/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>9</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>9</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o



o On request, please contact our sales network.  
 Included: oval counterflanges (N), clamp connections (C)  
 Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 386

# EVMS 5



## Vertical multistage pumps in AISI 304

Multistage

			Oval flange (N)		Round flange (F)	
						
			DNA DNM G1¼		DNA DNM Ø32	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMS5- 2	0,5	0,37	26451000024	<b>654,00</b>	26451100024	<b>672,00</b>
EVMS5- 3	0,75	0,55	26451000034	<b>797,00</b>	26451100034	<b>814,00</b>
EVMS5- 4	1	0,75	26451000045	<b>849,00</b>	26451100045	<b>865,00</b>
EVMS5- 5	1,5	1,1	26451000055	<b>880,00</b>	26451100055	<b>896,00</b>
EVMS5- 6	2	1,5	26451000065	<b>1.009,00</b>	26451100065	<b>1.026,00</b>
EVMS5- 7	2	1,5	26451000075	<b>1.061,00</b>	26451100075	<b>1.067,00</b>
EVMS5- 8	3	2,2	26451000085	<b>1.148,00</b>	26451100085	<b>1.166,00</b>
EVMS5- 9	3	2,2	26451000095	<b>1.224,00</b>	26451100095	<b>1.242,00</b>
EVMS5- 10	3	2,2	26451000105	<b>1.252,00</b>	26451100105	<b>1.270,00</b>
EVMS5- 11	3	2,2	26451000115	<b>1.284,00</b>	26451100115	<b>1.301,00</b>
EVMS5- 12	4	3,0	26451000125	<b>1.393,00</b>	26451100125	<b>1.409,00</b>
EVMS5- 13	4	3,0	26451000135	<b>1.429,00</b>	26451100135	<b>1.447,00</b>
EVMS5- 14	4	3,0	26451000145	<b>1.466,00</b>	26451100145	<b>1.484,00</b>
EVMS5- 15	4	3,0	26451000155	<b>1.527,00</b>	26451100155	<b>1.543,00</b>
EVMS5- 17	5,5	4,0	26451000175	<b>1.665,00</b>	26451100175	<b>1.682,00</b>
EVMS5- 19	5,5	4,0	-	-	26451100195	<b>1.752,00</b>
EVMS5- 20	5,5	4,0	-	-	26451100205	<b>1.845,00</b>
EVMS5- 23	7,5	5,5	-	-	26451100235	<b>2.085,00</b>
EVMS5- 25	7,5	5,5	-	-	26451100255	<b>2.144,00</b>
EVMS5- 27	7,5	5,5	-	-	26451100275	<b>2.208,00</b>



Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMSL 5



## Vertical multistage pumps in AISI 316

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
				DNA DNM G1¼		DNA DNM Ø32
EVMSL5- 2	0,5	0,37	26452000024	<b>855,00</b>	26452100024	<b>872,00</b>
EVMSL5- 3	0,75	0,55	26452000034	<b>1.009,00</b>	26452100034	<b>1.026,00</b>
EVMSL5- 4	1	0,75	26452000045	<b>1.062,00</b>	26452100045	<b>1.078,00</b>
EVMSL5- 5	1,5	1,1	26452000055	<b>1.093,00</b>	26452100055	<b>1.110,00</b>
EVMSL5- 6	2	1,5	26452000065	<b>1.250,00</b>	26452100065	<b>1.267,00</b>
EVMSL5- 7	2	1,5	26452000075	<b>1.355,00</b>	26452100075	<b>1.372,00</b>
EVMSL5- 8	3	2,2	26452000085	<b>1.459,00</b>	26452100085	<b>1.476,00</b>
EVMSL5- 9	3	2,2	26452000095	<b>1.471,00</b>	26452100095	<b>1.488,00</b>
EVMSL5- 10	3	2,2	26452000105	<b>1.496,00</b>	26452100105	<b>1.512,00</b>
EVMSL5- 11	3	2,2	26452000115	<b>1.529,00</b>	26452100115	<b>1.545,00</b>
EVMSL5- 12	4	3,0	26452000125	<b>1.592,00</b>	26452100125	<b>1.609,00</b>
EVMSL5- 13	4	3,0	26452000135	<b>1.656,00</b>	26452100135	<b>1.673,00</b>
EVMSL5- 14	4	3,0	26452000145	<b>1.721,00</b>	26452100145	<b>1.739,00</b>
EVMSL5- 15	4	3,0	26452000155	<b>1.787,00</b>	26452100155	<b>1.804,00</b>
EVMSL5- 17	5,5	4,0	26452000175	<b>1.883,00</b>	26452100175	<b>1.900,00</b>
EVMSL5- 19	5,5	4,0	-	-	26452100195	<b>1.996,00</b>
EVMSL5- 20	5,5	4,0	-	-	26452100205	<b>2.098,00</b>
EVMSL5- 23	7,5	5,5	-	-	26452100235	<b>2.367,00</b>
EVMSL5- 25	7,5	5,5	-	-	26452100255	<b>2.437,00</b>
EVMSL5- 27	7,5	5,5	-	-	26452100275	<b>2.504,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMSG 5

Vertical multistage pumps in cast iron



			Oval flange (N)		Round flange (F)	
						
			DNA DNM G1¼		DNA DNM Ø32	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSG5- 2	0,5	0,37	26450000024	<b>622,00</b>	26450100024	<b>639,00</b>
EVMSG5- 3	0,75	0,55	26450000034	<b>757,00</b>	26450100034	<b>774,00</b>
EVMSG5- 4	1	0,75	26450000045	<b>807,00</b>	26450100045	<b>823,00</b>
EVMSG5- 5	1,5	1,1	26450000055	<b>835,00</b>	26450100055	<b>852,00</b>
EVMSG5- 6	2	1,5	26450000065	<b>959,00</b>	26450100065	<b>974,00</b>
EVMSG5- 7	2	1,5	26450000075	<b>997,00</b>	26450100075	<b>1.013,00</b>
EVMSG5- 8	3	2,2	26450000085	<b>1.091,00</b>	26450100085	<b>1.108,00</b>
EVMSG5- 9	3	2,2	26450000095	<b>1.164,00</b>	26450100095	<b>1.180,00</b>
EVMSG5- 10	3	2,2	26450000105	<b>1.189,00</b>	26450100105	<b>1.206,00</b>
EVMSG5- 11	3	2,2	26450000115	<b>1.220,00</b>	26450100115	<b>1.237,00</b>
EVMSG5- 12	4	3,0	26450000125	<b>1.323,00</b>	26450100125	<b>1.340,00</b>
EVMSG5- 13	4	3,0	26450000135	<b>1.358,00</b>	26450100135	<b>1.374,00</b>
EVMSG5- 14	4	3,0	26450000145	<b>1.393,00</b>	26450100145	<b>1.409,00</b>
EVMSG5- 15	4	3,0	26450000155	<b>1.451,00</b>	26450100155	<b>1.466,00</b>
EVMSG5- 17	5,5	4,0	26450000175	<b>1.582,00</b>	26450100175	<b>1.598,00</b>
EVMSG5- 19	5,5	4,0	-	-	26450100195	<b>1.665,00</b>
EVMSG5- 20	5,5	4,0	-	-	26450100205	<b>1.752,00</b>
EVMSG5- 23	7,5	5,5	-	-	26450100235	<b>1.982,00</b>
EVMSG5- 25	7,5	5,5	-	-	26450100255	<b>2.037,00</b>
EVMSG5- 27	7,5	5,5	-	-	26450100275	<b>2.098,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMS(L)(G) 10

Vertical multistage pumps



## Selection table

Model		HP	kW	Q=Flow rate									Motor size	Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	75	100	130	150	180	200	250		1~ 230V	3~		
				m³/h	0	4,5	6,0	7,8	9,0	10,8	12,0	15,0	[A]				
				H=Total head [m]													
						230V	400V	690V									
EVMS(.)10 2/0.75M	EVMS(.)10 2/0.75	1	0,75		21,8	21,2	20,8	19,7	18,7	16,6	14,9	9,8	80	5,3	3,0	1,7	-
EVMS(.)10 3/1.5M	EVMS(.)10 3/1.5	2	1,5		32,7	31,8	31,2	29,6	28,0	24,9	22,4	14,7	90	8,8	5,8	3,3	-
EVMS(.)10 4/2.2M	EVMS(.)10 4/2.2	3	2,2		43,6	42,4	41,7	39,5	37,3	33,2	29,8	19,6	90	12,9	8,2	4,7	-
EVMS(.)10 5/2.2M	EVMS(.)10 5/2.2	3	2,2		54,5	53	52	49,3	46,7	41,5	37,3	24,6	90	12,9	8,2	4,7	-
EVMS(.)10 6/2.2M	EVMS(.)10 6/2.2	3	2,2		65,5	63,5	62,5	59	56	50	45	29,5	90	12,9	8,2	4,7	-
-	EVMS(.)10 7/3.0	4	3,0		76,5	74	73	69	65,5	58	52	34,4	100	-	11,1	6,4	-
-	EVMS(.)10 8/3.0	4	3,0		87,0	84,5	83,5	79	74,5	66,5	59,5	39,3	100	-	11,1	6,4	-
-	EVMS(.)10 9/4.0	5,5	4,0		98	95,5	93,5	89	84	74,5	67	44,0	112	-	15,1	8,7	-
-	EVMS(.)10 10/4.0	5,5	4,0		109	106	104	98,5	93,5	83	74,5	49,0	112	-	15,1	8,7	-
-	EVMS(.)10 11/4.0	5,5	4,0		120	116	115	109	103	91,5	82	54,0	112	-	15,1	8,7	-
-	EVMS(.)10 12/5.5	7,5	5,5		131	127	125	118	112	99,5	89,5	59,0	132	-	-	10,4	6,0
-	EVMS(.)10 14/5.5	7,5	5,5		153	148	146	138	131	116	104	68,5	132	-	-	10,4	6,0
-	EVMS(.)10 15/5.5	7,5	5,5		163	159	156	148	140	124	112	73,5	132	-	-	10,4	6,0
-	EVMS(.)10 16/7.5	10	7,5		174	169	167	158	149	133	119	78,5	132	-	-	13,6	7,9
-	EVMS(.)10 18/7.5	10	7,5		196	191	187	178	168	149	134	88,5	132	-	-	13,6	7,9
-	EVMS(.)10 19/7.5	10	7,5		207	201	198	188	177	158	142	93,5	132	-	-	13,6	7,9
-	EVMS(.)10 21/7.5	10	7,5		229	222	219	207	196	174	157	103,0	132	-	-	13,6	7,9
-	EVMS(.)10 22/11	15	11		240	233	229	217	205	183	164	108,0	160	-	-	21,3	12,3
-	EVMS(.)10 23/11	15	11		251	244	240	227	215	191	172	113,0	160	-	-	21,3	12,3

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316					EVMSG in cast iron		
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 136	page 136	o	o	o	page 138	page 138
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 136	o	o	o	o	16 bar: o 25 bar: page 138
Balanced SiC/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.  
 Included: oval counterflanges (N), clamp connections (C)  
 Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 386



Multistage

# EVMS 10



## Vertical multistage pumps in AISI 304

Multistage

			Oval flange (N)		Round flange (F)	
						
			DNA DNM G1½		DNA DNM Ø40	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMS10- 2	1	0,75	26551000025	<b>942,00</b>	26551100025	<b>964,00</b>
EVMS10- 3	2	1,5	26551000035	<b>1.088,00</b>	26551100035	<b>1.110,00</b>
EVMS10- 4	3	2,2	26551000045	<b>1.335,00</b>	26551100045	<b>1.357,00</b>
EVMS10- 5	3	2,2	26551000055	<b>1.405,00</b>	26551100055	<b>1.427,00</b>
EVMS10- 6	3	2,2	26551000065	<b>1.518,00</b>	26551100065	<b>1.539,00</b>
EVMS10- 7	4	3,0	26551000075	<b>1.704,00</b>	26551100075	<b>1.724,00</b>
EVMS10- 8	4	3,0	26551000085	<b>1.776,00</b>	26551100085	<b>1.797,00</b>
EVMS10- 9	5,5	4,0	26551000095	<b>2.066,00</b>	26551100095	<b>2.087,00</b>
EVMS10- 10	5,5	4,0	26551000105	<b>2.148,00</b>	26551100105	<b>2.242,00</b>
EVMS10- 11	5,5	4,0	26551000115	<b>2.209,00</b>	26551100115	<b>2.303,00</b>
EVMS10- 12	7,5	5,5	26551000125	<b>2.482,00</b>	26551100125	<b>2.502,00</b>
EVMS10- 14	7,5	5,5	26551000145	<b>2.754,00</b>	26551100145	<b>2.776,00</b>
EVMS10- 15	7,5	5,5	26551000155	<b>2.854,00</b>	26551100155	<b>2.876,00</b>
EVMS10- 16	10	7,5	-	-	26551100165	<b>2.973,00</b>
EVMS10- 18	10	7,5	-	-	26551100185	<b>2.994,00</b>
EVMS10- 19	10	7,5	-	-	26551100195	<b>3.277,00</b>
EVMS10- 21	10	7,5	-	-	26551100215	<b>3.630,00</b>
EVMS10- 22	15	11	-	-	26551100225	<b>3.980,00</b>
EVMS10- 23	15	11	-	-	26551100235	<b>4.331,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386



# EVMSL 10



Vertical multistage pumps in AISI 316

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSL10- 2	1	0,75	26552000025	<b>1.260,00</b>	26552100025	<b>1.282,00</b>
EVMSL10- 3	2	1,5	26552000035	<b>1.406,00</b>	26552100035	<b>1.428,00</b>
EVMSL10- 4	3	2,2	26552000045	<b>1.617,00</b>	26552100045	<b>1.639,00</b>
EVMSL10- 5	3	2,2	26552000055	<b>1.708,00</b>	26552100055	<b>1.728,00</b>
EVMSL10- 6	3	2,2	26552000065	<b>1.820,00</b>	26552100065	<b>1.842,00</b>
EVMSL10- 7	4	3,0	26552000075	<b>1.904,00</b>	26552100075	<b>1.926,00</b>
EVMSL10- 8	4	3,0	26552000085	<b>1.905,00</b>	26552100085	<b>2.016,00</b>
EVMSL10- 9	5,5	4,0	26552000095	<b>2.230,00</b>	26552100095	<b>2.328,00</b>
EVMSL10- 10	5,5	4,0	26552000105	<b>2.318,00</b>	26552100105	<b>2.340,00</b>
EVMSL10- 11	5,5	4,0	26552000115	<b>2.363,00</b>	26552100115	<b>2.385,00</b>
EVMSL10- 12	7,5	5,5	26552000125	<b>2.631,00</b>	26552100125	<b>2.652,00</b>
EVMSL10- 14	7,5	5,5	26552000145	<b>2.898,00</b>	26552100145	<b>2.920,00</b>
EVMSL10- 15	7,5	5,5	26552000155	<b>3.001,00</b>	26552100155	<b>3.022,00</b>
EVMSL10- 16	10	7,5	-	-	26552100165	<b>3.123,00</b>
EVMSL10- 18	10	7,5	-	-	26552100185	<b>3.155,00</b>
EVMSL10- 19	10	7,5	-	-	26552100195	<b>3.467,00</b>
EVMSL10- 21	10	7,5	-	-	26552100215	<b>3.818,00</b>
EVMSL10- 22	15	11	-	-	26552100225	<b>4.181,00</b>
EVMSL10- 23	15	11	-	-	26552100235	<b>4.544,00</b>

Included: oval counterflanges (N)


Not included: round counterflanges as accessories. See page 386

# EVMSG 10

Vertical multistage pumps in cast iron



Multistage

			Oval flange (N)		Round flange (F)	
			 DNA DNM G1½		 DNA DNM Ø40	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSG10- 2	1	0,75	26550000025	<b>895,00</b>	26550100025	<b>916,00</b>
EVMSG10- 3	2	1,5	26550000035	<b>1.035,00</b>	26550100035	<b>1.055,00</b>
EVMSG10- 4	3	2,2	26550000045	<b>1.270,00</b>	26550100045	<b>1.290,00</b>
EVMSG10- 5	3	2,2	26550000055	<b>1.334,00</b>	26550100055	<b>1.356,00</b>
EVMSG10- 6	3	2,2	26550000065	<b>1.441,00</b>	26550100065	<b>1.462,00</b>
EVMSG10- 7	4	3,0	26550000075	<b>1.617,00</b>	26550100075	<b>1.638,00</b>
EVMSG10- 8	4	3,0	26550000085	<b>1.686,00</b>	26550100085	<b>1.708,00</b>
EVMSG10- 9	5,5	4,0	26550000095	<b>1.962,00</b>	26550100095	<b>1.983,00</b>
EVMSG10- 10	5,5	4,0	26550000105	<b>2.040,00</b>	26550100105	<b>2.060,00</b>
EVMSG10- 11	5,5	4,0	26550000115	<b>2.098,00</b>	26550100115	<b>2.118,00</b>
EVMSG10- 12	7,5	5,5	26550000125	<b>2.358,00</b>	26550100125	<b>2.377,00</b>
EVMSG10- 14	7,5	5,5	26550000145	<b>2.616,00</b>	26550100145	<b>2.637,00</b>
EVMSG10- 15	7,5	5,5	26550000155	<b>2.711,00</b>	26550100155	<b>2.732,00</b>
EVMSG10- 16	10	7,5	-	-	26550100165	<b>2.826,00</b>
EVMSG10- 18	10	7,5	-	-	26550100185	<b>2.844,00</b>
EVMSG10- 19	10	7,5	-	-	26550100195	<b>3.113,00</b>
EVMSG10- 21	10	7,5	-	-	26550100215	<b>3.448,00</b>
EVMSG10- 22	15	11	-	-	26550100225	<b>3.781,00</b>
EVMSG10- 23	15	11	-	-	26550100235	<b>4.114,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMS(L)(G) 15



## Vertical multistage pumps

### Tabella di selezione

Model		HP	kW	Q=Flow rate										Motor size	Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	130	150	180	200	250	300	350	400		1~ 230V	3~ 230V	400V	690V
				m³/h	0	7,8	9,0	10,8	12,0	15,0	18,0	21,0	24,0	H=Total head [m]				
EVMS(.)15 1/1.1M	EVMS(.)15 1/1.1	1,5	1,1		14,9	13,3	13	12,4	12,1	10,8	9,5	7,5	4,8	80	6,5	4,3	2,5	-
EVMS(.)15 2/2.2M	EVMS(.)15 2/2.2	3	2,2		29,5	27,5	27,1	26	26,1	24,9	23,1	20,4	16,8	90	12,9	8,2	4,7	-
-	EVMS(.)15 3/3.0	4	3,0		44,5	41,5	40,5	39,7	39,1	37,3	34,7	30,6	25,2	100	-	11,1	6,4	-
-	EVMS(.)15 4/4.0	5,5	4,0		59	55	54,5	53	52	50	46,5	41	33,6	112	-	15,1	8,7	-
-	EVMS(.)15 5/5.5	7,5	5,5		73,5	69	68	66	65	62	58	51	42,0	132	-	-	10,4	6,0
-	EVMS(.)15 6/5.5	7,5	5,5		88,5	82,5	81,5	79,5	78	74,5	69,5	61	50,5	132	-	-	10,4	6,0
-	EVMS(.)15 7/7.5	10	7,5		103	96,5	95,0	92,5	91	87	81	71,5	58,5	132	-	-	13,6	7,9
-	EVMS(.)15 8/7.5	10	7,5		118	110	109	106	104	99,5	92,5	81,5	67,0	132	-	-	13,6	7,9
-	EVMS(.)15 9/11	15	11		133	124	122	119	117	112	104	92	75,5	160	-	-	21,3	12,3
-	EVMS(.)15 10/11	15	11		147	138	136	132	130	124	116	102	84,0	160	-	-	21,3	12,3
-	EVMS(.)15 11/11	15	11		162	151	149	146	143	137	127	112	92,5	160	-	-	21,3	12,3
-	EVMS(.)15 12/11	15	11		177	165	163	159	156	149	139	122	101,0	160	-	-	21,3	12,3
-	EVMS(.)15 13/11	15	11		191	179	176	172	169	162	150	133	109,0	160	-	-	21,3	12,3
-	EVMS(.)15 15/15	20	15		221	206	203	199	195	187	174	153	126,0	160 M	-	-	26,7	15,4
-	EVMS(.)15 17/15	20	15		250	234	231	225	221	211	197	173	143,0	160 M	-	-	26,7	15,4

## Model configuration



Cartridge shaft seal

Max. working pressure [bar]

		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 140	page 140	o	o	o	page 142	page 142
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 140	o	o	o	o	16 bar: o 25 bar: page 142
Balanced SiC/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)


Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 386

# EVMS 15



## Vertical multistage pumps in AISI 304

Multistage

			Oval flange (N)		Round flange (F)	
			 DNA DNM G2		 DNA DNM Ø50	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMS15- 1	1,5	1,1	26651000015	<b>1.176,00</b>	26651100015	<b>1.198,00</b>
EVMS15- 2	3	2,2	26651000025	<b>1.427,00</b>	26651100025	<b>1.449,00</b>
EVMS15- 3	4	3,0	26651000035	<b>1.649,00</b>	26651100035	<b>1.671,00</b>
EVMS15- 4	5,5	4,0	26651000045	<b>1.892,00</b>	26651100045	<b>1.914,00</b>
EVMS15- 5	7,5	5,5	26651000055	<b>1.977,00</b>	26651100055	<b>1.999,00</b>
EVMS15- 6	7,5	5,5	26651000065	<b>2.387,00</b>	26651100065	<b>2.408,00</b>
EVMS15- 7	10	7,5	26651000075	<b>2.787,00</b>	26651100075	<b>2.809,00</b>
EVMS15- 8	10	7,5	26651000085	<b>2.833,00</b>	26651100085	<b>2.855,00</b>
EVMS15- 9	15	11	26651000095	<b>2.963,00</b>	26651100095	<b>2.985,00</b>
EVMS15- 10	15	11	26651000105	<b>3.499,00</b>	26651100105	<b>3.520,00</b>
EVMS15- 11	15	11	26651000115	<b>3.761,00</b>	26651100115	<b>3.782,00</b>
EVMS15- 12	15	11	-	-	26651100125	<b>3.876,00</b>
EVMS15- 13	15	11	-	-	26651100135	<b>3.968,00</b>
EVMS15- 15	20	15	-	-	26651100154	<b>4.692,00</b>
EVMS15- 17	20	15	-	-	26651100174	<b>4.954,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMSL 15



## Vertical multistage pumps in AISI 316


Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSL15- 1	1,5	1,1	26652000015	<b>1.409,00</b>	26652100015	<b>1.409,00</b>
EVMSL15- 2	3	2,2	26652000025	<b>1.617,00</b>	26652100025	<b>1.639,00</b>
EVMSL15- 3	4	3,0	26652000035	<b>1.820,00</b>	26652100035	<b>1.842,00</b>
EVMSL15- 4	5,5	4,0	26652000045	<b>2.072,00</b>	26652100045	<b>2.094,00</b>
EVMSL15- 5	7,5	5,5	26652000055	<b>2.175,00</b>	26652100055	<b>2.196,00</b>
EVMSL15- 6	7,5	5,5	26652000065	<b>2.645,00</b>	26652100065	<b>2.667,00</b>
EVMSL15- 7	10	7,5	26652000075	<b>3.034,00</b>	26652100075	<b>3.056,00</b>
EVMSL15- 8	10	7,5	26652000085	<b>3.139,00</b>	26652100085	<b>3.161,00</b>
EVMSL15- 9	15	11	26652000095	<b>3.239,00</b>	26652100095	<b>3.259,00</b>
EVMSL15- 10	15	11	26652000105	<b>3.836,00</b>	26652100105	<b>3.857,00</b>
EVMSL15- 11	15	11	26652000115	<b>4.070,00</b>	26652100115	<b>4.091,00</b>
EVMSL15- 12	15	11	-	-	26652100125	<b>4.227,00</b>
EVMSL15- 13	15	11	-	-	26652100135	<b>4.364,00</b>
EVMSL15- 15	20	15	-	-	26652100154	<b>5.111,00</b>
EVMSL15- 17	20	15	-	-	26652100174	<b>5.327,00</b>

Included: oval counterflanges (N)  
 Not included: round counterflanges as accessories. See page 386

# EVMSG 15

Vertical multistage pumps in cast iron



			Oval flange (N)		Round flange (F)	
			 DNA DNM G2		 DNA DNM Ø50	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSG15- 1	1,5	1,1	26650000015	<b>1.097,00</b>	26650100015	<b>1.138,00</b>
EVMSG15- 2	3	2,2	26650000025	<b>1.356,00</b>	26650100025	<b>1.377,00</b>
EVMSG15- 3	4	3,0	26650000035	<b>1.567,00</b>	26650100035	<b>1.587,00</b>
EVMSG15- 4	5,5	4,0	26650000045	<b>1.797,00</b>	26650100045	<b>1.818,00</b>
EVMSG15- 5	7,5	5,5	26650000055	<b>1.879,00</b>	26650100055	<b>1.899,00</b>
EVMSG15- 6	7,5	5,5	26650000065	<b>2.268,00</b>	26650100065	<b>2.288,00</b>
EVMSG15- 7	10	7,5	26650000075	<b>2.648,00</b>	26650100075	<b>2.669,00</b>
EVMSG15- 8	10	7,5	26650000085	<b>2.692,00</b>	26650100085	<b>2.711,00</b>
EVMSG15- 9	15	11	26650000095	<b>2.814,00</b>	26650100095	<b>2.834,00</b>
EVMSG15- 10	15	11	26650000105	<b>3.323,00</b>	26650100105	<b>3.345,00</b>
EVMSG15- 11	15	11	26650000115	<b>3.573,00</b>	26650100115	<b>3.593,00</b>
EVMSG15- 12	15	11	-	-	26650100125	<b>3.682,00</b>
EVMSG15- 13	15	11	-	-	26650100135	<b>3.770,00</b>
EVMSG15- 15	20	15	-	-	26650100154	<b>4.458,00</b>
EVMSG15- 17	20	15	-	-	26650100174	<b>4.706,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMS(L)(G) 20

Vertical multistage pumps



## Selection table

Model		HP	kW	Q=Flow rate										Motor size	Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	180	200	250	300	350	400	450	480		1~	3~		
				m³/h	0	10,8	12,0	15,0	18,0	21,0	24,0	27,0	28,8					
				H=Total head [m]														
														230V	230V	400V	690V	
EVMS(.)20 1/1.5M	EVMS(.)20 1/1.5	2	1,5	17,2	14,3	13,9	12,8	11,3	9,6	7,3	4,3	2,4	90	8,8	5,8	3,3	-	
-	EVMS(.)20 2/3.0	4	3,0	33,7	30,4	29,9	28,9	27,7	26,2	23,6	19,9	17,4	100	-	11,1	6,4	-	
-	EVMS(.)20 3/4.0	5,5	4,0	50,5	46	45	43,4	41,6	39,2	35,5	29,9	26,2	112	-	15,1	8,7	-	
-	EVMS(.)20 4/5.5	7,5	5,5	67,4	61	60	58	55,4	52,3	47,3	39,8	34,9	132	-	-	10,4	6,0	
-	EVMS(.)20 5/7.5	10	7,5	84,2	76,0	75	72,3	69,3	65,4	59	49,8	43,6	132	-	-	13,6	7,9	
-	EVMS(.)20 6/7.5	10	7,5	101	91,2	90	87	83,1	78,5	71	59,7	52,3	132	-	-	13,6	7,9	
-	EVMS(.)20 7/11	15	11	118	106	105	101	97	91,5	82,7	70	61,1	160	-	-	21,3	12,3	
-	EVMS(.)20 8/11	15	11	135	122	120	116	111	105	95	80	70,0	160	-	-	21,3	12,3	
-	EVMS(.)20 9/11	15	11	152	137	135	130	125	118	106	89,6	79,0	160	-	-	21,3	12,3	
-	EVMS(.)20 10/11	15	11	168	152	150	145	139	131	118	100	87,0	160	-	-	21,3	12,3	
-	EVMS(.)20 11/15	20	15	185	167	165	159	152	144	130	110	96,0	160 M	-	-	26,7	15,4	
-	EVMS(.)20 12/15	20	15	202	182	179	173	166	157	142	119	105,0	160 M	-	-	26,7	15,4	
-	EVMS(.)20 13/15	20	15	219	198	194	188	180	170	154	129	113,0	160 M	-	-	26,7	15,4	
-	EVMS(.)20 14/18.5	25	18,5	236	213	209	202	194	183	166	139	122,0	160 L	-	-	33,0	19,1	
-	EVMS(.)20 15/18.5	25	18,5	253	228	224	217	208	196	177	149	131,0	160 L	-	-	33,0	19,1	
-	EVMS(.)20 16/18.5	25	18,5	270	243	239	231	222	209	189	159	140,0	160 L	-	-	33,0	19,1	

Vertical multistage pumps

## Model configuration



Cartridge shaft seal

Max. working pressure [bar]


		EVMS in AISI 304 - EVMSL in AISI 316					EVMSG in cast iron	
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q <sub>1</sub> BEG	16	page 144	page 144	o	o	o	page 146
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25	o	16 bar: o 25 bar: page 144	o	o	o	16 bar: o 25 bar: page 146
Balanced SiC/SiC EPDM	HQ <sub>9</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ <sub>9</sub> Q <sub>1</sub> VG	25	o	o	o	o	o	o

o On request, please contact our sales network.  
Included: oval counterflanges (N), clamp connections (C)  
Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 386

# EVMS 20



## Vertical multistage pumps in AISI 304

			Oval flange (N)		Round flange (F)	
						
			DNA DNM G2		DNA DNM Ø50	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMS20- 1	2	1,5	26751000015	<b>1.198,00</b>	26751100015	<b>1.249,00</b>
EVMS20- 2	4	3,0	26751000025	<b>1.526,00</b>	26751100025	<b>1.577,00</b>
EVMS20- 3	5,5	4,0	26751000035	<b>1.977,00</b>	26751100035	<b>2.029,00</b>
EVMS20- 4	7,5	5,5	26751000045	<b>2.400,00</b>	26751100045	<b>2.452,00</b>
EVMS20- 5	10	7,5	26751000055	<b>2.744,00</b>	26751100055	<b>2.794,00</b>
EVMS20- 6	10	7,5	26751000065	<b>2.837,00</b>	26751100065	<b>2.889,00</b>
EVMS20- 7	15	11	26751000075	<b>3.180,00</b>	26751100075	<b>3.232,00</b>
EVMS20- 8	15	11	26751000085	<b>3.275,00</b>	26751100085	<b>3.326,00</b>
EVMS20- 9	15	11	26751000095	<b>3.369,00</b>	26751100095	<b>3.421,00</b>
EVMS20- 10	15	11	-	-	26751100105	<b>3.514,00</b>
EVMS20- 11	20	15	-	-	26751100114	<b>3.857,00</b>
EVMS20- 12	20	15	-	-	26751100124	<b>3.952,00</b>
EVMS20- 13	20	15	-	-	26751100134	<b>4.046,00</b>
EVMS20- 14	25	18,5	-	-	26751100144	<b>4.389,00</b>
EVMS20- 15	25	18,5	-	-	26751100154	<b>4.560,00</b>
EVMS20- 16	25	18,5	-	-	26751100164	<b>4.732,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386



# EVMSL 20



## Vertical multistage pumps in AISI 316

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSL20- 1	2	1,5	26752000015	<b>1.358,00</b>	26752100015	<b>1.409,00</b>
EVMSL20- 2	4	3,0	26752000025	<b>1.587,00</b>	26752100025	<b>1.639,00</b>
EVMSL20- 3	5,5	4,0	26752000035	<b>2.144,00</b>	26752100035	<b>2.196,00</b>
EVMSL20- 4	7,5	5,5	26752000045	<b>2.510,00</b>	26752100045	<b>2.562,00</b>
EVMSL20- 5	10	7,5	26752000055	<b>2.898,00</b>	26752100055	<b>2.950,00</b>
EVMSL20- 6	10	7,5	26752000065	<b>3.004,00</b>	26752100065	<b>3.056,00</b>
EVMSL20- 7	15	11	26752000075	<b>3.347,00</b>	26752100075	<b>3.398,00</b>
EVMSL20- 8	15	11	26752000085	<b>3.432,00</b>	26752100085	<b>3.484,00</b>
EVMSL20- 9	15	11	26752000095	<b>3.518,00</b>	26752100095	<b>3.569,00</b>
EVMSL20- 10	15	11	-	-	26752100105	<b>3.655,00</b>
EVMSL20- 11	20	15	-	-	26752100114	<b>4.039,00</b>
EVMSL20- 12	20	15	-	-	26752100124	<b>4.141,00</b>
EVMSL20- 13	20	15	-	-	26752100134	<b>4.244,00</b>
EVMSL20- 14	25	18,5	-	-	26752100144	<b>4.844,00</b>
EVMSL20- 15	25	18,5	-	-	26752100154	<b>5.433,00</b>
EVMSL20- 16	25	18,5	-	-	26752100164	<b>6.023,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVMSG 20

Vertical multistage pumps in cast iron



Multistage

			Oval flange (N)		Round flange (F)	
			 DNA DNM G2		 DNA DNM Ø50	
Model	HP	KW	Code 3 x 230/400/690V	£ Stg	Code 3 x 230/400/690V	£ Stg
EVMSG20- 1	2	1,5	26750000015	<b>1.138,00</b>	26750100015	<b>1.186,00</b>
EVMSG20- 2	4	3,0	26750000025	<b>1.450,00</b>	26750100025	<b>1.498,00</b>
EVMSG20- 3	5,5	4,0	26750000035	<b>1.879,00</b>	26750100035	<b>1.927,00</b>
EVMSG20- 4	7,5	5,5	26750000045	<b>2.281,00</b>	26750100045	<b>2.329,00</b>
EVMSG20- 5	10	7,5	26750000055	<b>2.606,00</b>	26750100055	<b>2.654,00</b>
EVMSG20- 6	10	7,5	26750000065	<b>2.695,00</b>	26750100065	<b>2.745,00</b>
EVMSG20- 7	15	11	26750000075	<b>3.021,00</b>	26750100075	<b>3.070,00</b>
EVMSG20- 8	15	11	26750000085	<b>3.111,00</b>	26750100085	<b>3.161,00</b>
EVMSG20- 9	15	11	26750000095	<b>3.190,00</b>	26750100095	<b>3.249,00</b>
EVMSG20- 10	15	11	-	-	26750100105	<b>3.339,00</b>
EVMSG20- 11	20	15	-	-	26750100114	<b>3.665,00</b>
EVMSG20- 12	20	15	-	-	26750100124	<b>3.753,00</b>
EVMSG20- 13	20	15	-	-	26750100134	<b>3.844,00</b>
EVMSG20- 14	25	18,5	-	-	26750100144	<b>4.169,00</b>
EVMSG20- 15	25	18,5	-	-	26750100154	<b>4.332,00</b>
EVMSG20- 16	25	18,5	-	-	26750100164	<b>4.495,00</b>

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 386

# EVM(G)



## Vertical multistage pumps in AISI 304 or cast iron

Vertical multistage pumps in AISI 304 stainless steel (EVM) and cast iron (EVMG) multistage motor-driven pumps. Reliable, quiet and easy to maintain. Used in residential, commercial, industrial, agricultural and fire-fighting pressure boosting systems, in primary water treatment, reverse osmosis, filtration systems, etc. Suitable for handling moderately aggressive fluids, filling boilers, washing, heating, refrigeration and airconditioning systems. IEC standard motors available, robust construction.



Easy maintenance



High efficiency



Practical and easy to use

## Materials

<b>Pump body</b>	AISI 304 for EVM Cast iron for EVMG
<b>Impeller</b>	AISI 304
<b>Shaft</b>	AISI 304
<b>Mechanical seal</b>	SiC/Carbon/FPM
<b>Motor bracket</b>	Cast iron

## Technical data

<b>Max. working pressure</b>	30 bar
<b>Max. temperature of the liquid</b>	-15°C ÷ +120°C
<b>MEI</b>	> 0,7
<b>Poles</b>	2
<b>Insulation class</b>	F (temperature rise class B)
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 230/400V ±10% (up to 4kW) Three phase 400/690V ±10% (from 5,5kW and above)

## Accessories



### Counterflanges kit

Page 386 - Galvanized counterflanges kit



### Control panels and Control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E SERIES, QM1, QT1, QS1, QA50/B, QA60/C, SMART

# EVMG 32 - 45



Vertical multistage pumps in cast iron

Multistage

Three phase 230/400/690V																2 Poles	
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
					l/min	200	350	500	600	700	900	1000	[A]				
					m³/h	12	21	30	36	42	54	60	230V	400V	690V		
					H=Total head [m]												
EVMG/132 1-0F5/2,2	2360100004I	2.141,00	3	2,2		21,7	19,6	16,4	13,2	9,7	-	-	8	4,6	-	Ø65	72,0
EVMG/132 2-2F5/3,0	2360110204I	2.331,00	4	3		36,9	31,6	23,5	17,4	-	-	-	9,7	5,6	-	Ø65	80,0
EVMG/132 2-0F5/4,0	2360120004I	2.376,00	5,5	4		43,5	39,2	32,8	26,5	19,4	-	-	12,1	7	-	Ø65	84,0
EVMG/132 3-3F5/5,5	2360130304I	3.012,00	7,5	5,5		55,5	47,5	35,2	26,1	-	-	-	-	10	5,8	Ø65	111,0
EVMG/132 3-1F5/5,5	2360130004I	3.105,00	7,5	5,5		62,0	55,0	44,5	35,2	24,5	-	-	-	10	5,8	Ø65	111,0
EVMG/132 4-3F5/7,5	2360140304I	3.381,00	10	7,5		77,0	67,0	51,5	39,4	-	-	-	-	13,5	7,8	Ø65	116,0
EVMG/132 4-1F5/7,5	2360140004I	3.381,00	10	7,5		83,5	74,5	61,0	48,5	34,2	-	-	-	13,5	7,8	Ø65	116,0
EVMG/132 5-3F5/11	2360160304I	4.544,00	15	11		100,0	89,0	70,0	54,0	37,3	-	-	-	19,5	11,2	Ø65	156,0
EVMG/132 5-0F5/11	2360160004I	4.544,00	15	11		110,0	100,0	84,0	67,0	49,0	-	-	-	19,5	11,2	Ø65	156,0
EVMG/132 6-3F5/11	2360161304I	4.710,00	15	11		122,0	109,0	87,0	67,5	47,0	-	-	-	19,5	11,2	Ø65	159,0
EVMG/132 6-2F5/11	2360161004I	4.710,00	15	11		125,0	113,0	91,5	71,5	51,0	-	-	-	19,5	11,2	Ø65	159,0
EVMG/132 7-3F5/15	2360170304I	5.219,00	20	15		144,0	129,0	104,0	81,0	57,0	-	-	-	26,7	15,4	Ø65	189,0
EVMG/132 7-0F5/15	2360170004I	5.219,00	20	15		154,0	141,0	118,0	94,0	69,0	-	-	-	26,7	15,4	Ø65	189,0
EVMG/132 8-3F5/15	2360171304I	5.355,00	20	15		166,0	150,0	121,0	94,0	67,0	-	-	-	26,7	15,4	Ø65	194,0
EVMG/132 8-2F5/15	2360172004I	5.355,00	20	15		172,0	157,0	130,0	103,0	75,0	-	-	-	26,7	15,4	Ø65	194,0
EVMG/132 9-3F5/18,5	2360180304I	6.156,00	25	18,5		188,0	170,0	137,0	108,0	76,5	-	-	-	35,3	20,4	Ø65	212,0
EVMG/132 9-0F5/18,5	2360180004I	6.156,00	25	18,5		197,0	181,0	152,0	121,0	88,5	-	-	-	35,3	20,4	Ø65	212,0
EVMG/132 10-3F5/18,5	2360181304I	6.470,00	25	18,5		210,0	190,0	154,0	121,0	86,5	-	-	-	35,3	20,4	Ø65	215,0
EVMG/132 10-2F5/18,5	2360181104I	6.470,00	25	18,5		213,0	193,0	159,0	125,0	90,5	-	-	-	35,3	20,4	Ø65	215,0
EVMG/132 11-3F5/22	2360190304I	7.142,00	30	22		232,0	210,0	171,0	134,0	96,5	-	-	-	38	22	Ø65	278,0
EVMG/132 11-0F5/22	2360190004I	7.142,00	30	22		241,0	221,0	185,0	147,0	108,0	-	-	-	38	22	Ø65	278,0
EVMG/132 12-3F5/22	2360191304I	7.767,00	30	22		254,0	230,0	188,0	148,0	106,0	-	-	-	38	22	Ø65	285,0
EVMG/132 13-3F5/30	2360200304I	10.173,00	40	30		276,0	250,0	205,0	161,0	116,0	-	-	-	51,8	30	Ø65	359,0
EVMG/132 13-0F5/30	2360200004I	10.173,00	40	30		285,0	261,0	219,0	174,0	128,0	-	-	-	51,8	30	Ø65	359,0
EVMG/132 14-3F5/30	2360201304I	10.305,00	40	30		298,0	270,0	222,0	175,0	126,0	-	-	-	51,8	30	Ø65	362,0
EVMG/132 14-0F5/30	2360201004I	10.305,00	40	30		307,0	281,0	236,0	188,0	138,0	-	-	-	51,8	30	Ø65	362,0
EVMG/145 1-1F5/3,0	2410100104I	1.259,00	4	3		-	18,9	17,6	16,3	14,3	8,3	-	9,7	5,6	-	Ø80	92,0
EVMG/145 1-0F5/4,0	2410120004I	1.512,00	5,5	4		-	25,6	24,6	23,5	21,8	16,7	13,3	12,1	7	-	Ø80	98,0
EVMG/145 2-2F5/5,5	2410130204I	1.512,00	7,5	5,5		-	38,1	35,8	33,4	29,8	18,6	-	-	10	5,8	Ø80	118,0
EVMG/145 2-0F5/7,5	2410140004I	1.528,00	10	7,5		-	51,5	50,0	48,0	45,0	35,4	29,1	-	13,5	7,8	Ø80	120,0
EVMG/145 3-2F5/11	2410160204I	3.115,00	15	11		-	64,0	61,0	58,0	53,0	37,3	-	-	19,5	11,2	Ø80	159,0
EVMG/145 3-0F5/11	2410160004I	3.115,00	15	11		-	77,5	75,0	72,5	68,0	54,0	45,0	-	19,5	11,2	Ø80	159,0
EVMG/145 4-2F5/15	2410170204I	3.972,00	20	15		-	90,0	86,0	82,0	76,0	56,0	43,0	-	26,7	15,4	Ø80	194,0
EVMG/145 4-0F5/15	2410170004I	3.972,00	20	15		-	103,0	100,0	96,5	91,0	73,0	60,5	-	26,7	15,4	Ø80	194,0
EVMG/145 5-2F5/18,5	2410180204I	4.539,00	25	18,5		-	116,0	111,0	107,0	99,0	74,5	58,5	-	35,3	20,4	Ø80	230,0
EVMG/145 5-0F5/18,5	2410180004I	4.539,00	25	18,5		-	129,0	125,0	121,0	114,0	91,5	76,5	-	35,3	20,4	Ø80	230,0
EVMG/145 6-2F5/22	2410190204I	5.080,00	30	22		-	142,0	137,0	131,0	122,0	93,5	74,5	-	38	22	Ø80	293,0
EVMG/145 6-0F5/22	2410190004I	5.080,00	30	22		-	155,0	151,0	146,0	137,0	110,0	92,5	-	38	22	Ø80	293,0
EVMG/145 7-2F5/30	2410200204I	5.758,00	40	30		-	168,0	162,0	155,0	145,0	112,0	90,5	-	51,8	30	Ø80	364,0
EVMG/145 7-0F5/30	2410200004I	5.758,00	40	30		-	181,0	176,0	170,0	160,0	129,0	108,0	-	51,8	30	Ø80	364,0
EVMG/145 8-2F5/30	2410201204I	6.122,00	40	30		-	194,0	187,0	180,0	168,0	131,0	106,0	-	51,8	30	Ø80	375,0
EVMG/145 8-0F5/30	2410201004I	6.122,00	40	30		-	207,0	201,0	194,0	183,0	148,0	124,0	-	51,8	30	Ø80	375,0
EVMG/145 9-2F5/30	2410202204I	6.254,00	40	30		-	219,0	212,0	204,0	191,0	150,0	122,0	-	51,8	30	Ø80	379,0
EVMG/145 9-0F5/37	2410250004I	6.704,00	50	37		-	233,0	226,0	219,0	206,0	166,0	140,0	-	62,5	36	Ø80	400,0
EVMG/145 10-2F5/37	2410250204I	7.366,00	50	37		-	245,0	237,0	229,0	214,0	168,0	138,0	-	62,5	36	Ø80	404,0
EVMG/145 10-0F5/37	2410251004I	7.366,00	50	37		-	259,0	251,0	243,0	229,0	185,0	156,0	-	62,5	36	Ø80	404,0

"F" version = round counterflanges (as accessories, see page 386 )  
 EVMG 32-45-64 pumps house the mechanical seal with cartridge as per standard  
 "K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.



# EVMG 64

Vertical multistage pumps in cast iron



Three phase 230/400/690V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
					I/min	500	600	700	900	1000	1200	1400	[A]				
					m³/h	30	36	42	54	60	72	84	230V	400V	690V		
H=Total head [m]																	
EVMG/I64 1-1F5/4,0	2460120104I	<b>1.828,00</b>	5,5	4		21	20,4	19,7	17,5	15,9	11,4	-	12,1	7	-	Ø100	92,0
EVMG/I64 1-0F5/5,5	2460130004I	<b>1.861,00</b>	7,5	5,5		26,6	26,1	25,4	23,7	22,3	18,5	13,5	-	10	5,8	Ø100	114,0
EVMG/I64 2-2F5/7,5	2460140204I	<b>2.346,00</b>	10	7,5		42,5	41,5	40,5	36,5	33,5	25,3	-	-	13,5	7,8	Ø100	120,0
EVMG/I64 2-1F5/11	2460160104I	<b>2.979,00</b>	15	11		48	47	46	42,5	40	32,4	23	-	19,5	11,2	Ø100	154,0
EVMG/I64 2-0F5/11	2460160004I	<b>2.979,00</b>	15	11		53,5	53	52	49	46,5	39,5	30,6	-	19,5	11,2	Ø100	154,0
EVMG/I64 3-3F5/15	2460170304I	<b>3.335,00</b>	20	15		64	62,5	61	55,5	51	39,3	-	-	26,7	15,4	Ø100	186,0
EVMG/I64 3-2F5/15	2460170204I	<b>3.335,00</b>	20	15		69,5	68	66,5	61,5	57,5	46,5	32,5	-	26,7	15,4	Ø100	186,0
EVMG/I64 3-1F5/15	2460170104I	<b>3.335,00</b>	20	15		75	74	72,5	68	64	53,5	40	-	26,7	15,4	Ø100	186,0
EVMG/I64 3-0F5/18,5	2460180004I	<b>4.330,00</b>	25	18,5		80,5	79,5	78	74	70,5	60,5	47,5	-	35,3	20,4	Ø100	201,0
EVMG/I64 4-3F5/18,5	2460180304I	<b>4.896,00</b>	25	18,5		91	89	87	80,5	75,5	60,5	42	-	35,3	20,4	Ø100	209,0
EVMG/I64 4-2F5/18,5	2460180204I	<b>4.896,00</b>	25	18,5		96,5	95	93	87	81,5	67,5	49,5	-	35,3	20,4	Ø100	209,0
EVMG/I64 4-1F5/22	2460190104I	<b>4.983,00</b>	30	22		102	101	98,5	93	88	74,5	57	-	38	22	Ø100	275,0
EVMG/I64 4-0F5/22	2460190004I	<b>4.983,00</b>	30	22		108	106	104	99	94,5	81,5	64,5	-	38	22	Ø100	275,0
EVMG/I64 5-3F5/30	2460200304I	<b>5.676,00</b>	40	30		118	116	114	106	99,5	81,5	59	-	51,8	30	Ø100	354,0
EVMG/I64 5-2F5/30	2460200204I	<b>5.676,00</b>	40	30		124	122	119	112	106	88,5	66,5	-	51,8	30	Ø100	354,0
EVMG/I64 5-1F5/30	2460200104I	<b>5.676,00</b>	40	30		129	127	125	118	112	95,5	74	-	51,8	30	Ø100	354,0
EVMG/I64 5-0F5/30	2460201004I	<b>5.676,00</b>	40	30		135	133	131	124	119	103	81,5	-	51,8	30	Ø100	354,0
EVMG/I64 6-3F5/30	2460201304I	<b>5.702,00</b>	40	30		145	143	140	131	124	103	76	-	51,8	30	Ø100	362,0
EVMG/I64 6-2F5/30	2460201204I	<b>5.702,00</b>	40	30		151	148	146	137	130	110	83,5	-	51,8	30	Ø100	362,0
EVMG/I64 6-1F5/37	2460250104I	<b>6.168,00</b>	50	37		156	154	151	143	136	117	91	-	62,5	36	Ø100	376,0
EVMG/I64 6-0F5/37	2460250004I	<b>6.274,00</b>	50	37		162	160	157	149	143	124	99	-	62,5	36	Ø100	376,0
EVMG/I64 7-3F5/37	2460251304I	<b>6.316,00</b>	50	37		172	169	166	156	148	124	93	-	62,5	36	Ø100	378,0
EVMG/I64 7-2F5/37	2460251204I	<b>6.316,00</b>	50	37		178	175	172	162	154	131	101	-	62,5	36	Ø100	378,0
EVMG/I64 7-1F5/37	2460251104I	<b>6.316,00</b>	50	37		183	181	178	168	161	138	108	-	62,5	36	Ø100	378,0

"F" version = round counterflanges (as accessories, see page 386 )  
 EVMG 32-45-64 pumps house the mechanical seal with cartridge as per standard  
 "K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

Multistage

# EVM 32 - 45

Vertical multistage pumps in AISI 304



Multistage

Three phase 230/400/690V														2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]			
					l/min		200		350		500		700		900			1000		
					m³/h	12	21	30	36	42	54	60	230V	400V	690V					
H=Total head [m]																				
EVM/I32 1-0F5/2,2	2361100004I	<b>3.448,00</b>	3	2,2	-	21,7	19,6	16,4	13,2	9,7	-	-	8	4,6	-	Ø65	77,0			
EVM/I32 2-2F5/3,0	2361110204I	<b>3.612,00</b>	4	3	-	36,9	31,6	23,5	17,4	-	-	9,7	5,6	-	Ø65	86,0				
EVM/I32 2-0F5/4,0	2361120004I	<b>3.657,00</b>	5,5	4	-	43,5	39,2	32,8	26,5	19,4	-	12,1	7	-	Ø65	90,0				
EVM/I32 3-3F5/5,5	2361130304I	<b>4.400,00</b>	7,5	5,5	-	55,5	47,5	35,2	26,1	-	-	-	10	5,8	Ø65	118,0				
EVM/I32 3-1F5/5,5	2361130004I	<b>4.400,00</b>	7,5	5,5	-	62,0	55,0	44,5	35,2	24,5	-	-	10	5,8	Ø65	118,0				
EVM/I32 4-3F5/7,5	2361140304I	<b>4.676,00</b>	10	7,5	-	77,0	67,0	51,5	39,4	-	-	-	13,5	7,8	Ø65	123,0				
EVM/I32 4-1F5/7,5	2361140004I	<b>4.676,00</b>	10	7,5	-	83,5	74,5	61,0	48,5	34,2	-	-	13,5	7,8	Ø65	123,0				
EVM/I32 5-3F5/11	2361160304I	<b>5.727,00</b>	15	11	-	100,0	89,0	70,0	54,0	37,3	-	-	19,5	11,2	Ø65	165,0				
EVM/I32 5-0F5/11	2361160004I	<b>5.831,00</b>	15	11	-	110,0	100,0	84,0	67,0	49,0	-	-	19,5	11,2	Ø65	165,0				
EVM/I32 6-3F5/11	2361161304I	<b>5.999,00</b>	15	11	-	122,0	109,0	87,0	67,5	47,0	-	-	19,5	11,2	Ø65	168,0				
EVM/I32 6-2F5/11	2361161004I	<b>5.999,00</b>	15	11	-	125,0	113,0	91,5	71,5	51,0	-	-	19,5	11,2	Ø65	168,0				
EVM/I32 7-3F5/15	2361170304I	<b>6.506,00</b>	20	15	-	144,0	129,0	104,0	81,0	57,0	-	-	26,7	15,4	Ø65	198,0				
EVM/I32 7-0F5/15	2361170004I	<b>6.506,00</b>	20	15	-	154,0	141,0	118,0	94,0	69,0	-	-	26,7	15,4	Ø65	198,0				
EVM/I32 8-3F5/15	2361171304I	<b>6.641,00</b>	20	15	-	166,0	150,0	121,0	94,0	67,0	-	-	26,7	15,4	Ø65	204,0				
EVM/I32 8-2F5/15	2361172004I	<b>6.641,00</b>	20	15	-	172,0	157,0	130,0	103,0	75,0	-	-	26,7	15,4	Ø65	204,0				
EVM/I32 9-3F5/18,5	2361180304I	<b>7.446,00</b>	25	18,5	-	188,0	170,0	137,0	108,0	76,5	-	-	35,3	20,4	Ø65	222,0				
EVM/I32 9-0F5/18,5	2361180004I	<b>7.446,00</b>	25	18,5	-	197,0	181,0	152,0	121,0	88,5	-	-	35,3	20,4	Ø65	222,0				
EVM/I32 10-3F5/18,5	2361181304I	<b>7.446,00</b>	25	18,5	-	210,0	190,0	154,0	121,0	86,5	-	-	35,3	20,4	Ø65	226,0				
EVM/I32 10-2F5/18,5	2361181104I	<b>7.446,00</b>	25	18,5	-	213,0	193,0	159,0	125,0	90,5	-	-	35,3	20,4	Ø65	226,0				
EVM/I32 11-3F5/22	2361190304I	<b>8.431,00</b>	30	22	-	232,0	210,0	171,0	134,0	96,5	-	-	38	22	Ø65	289,0				
EVM/I32 11-0F5/22	2361190004I	<b>8.431,00</b>	30	22	-	241,0	221,0	185,0	147,0	108,0	-	-	38	22	Ø65	289,0				
EVM/I32 12-3F5/22	2361191304I	<b>8.699,00</b>	30	22	-	254,0	230,0	188,0	148,0	106,0	-	-	38	22	Ø65	296,0				
EVM/I32 13-3F5/30	2361200304I	<b>11.413,00</b>	40	30	-	276,0	250,0	205,0	161,0	116,0	-	-	51,8	30	Ø65	371,0				
EVM/I32 13-0F5/30	2361200004I	<b>11.413,00</b>	40	30	-	285,0	261,0	219,0	174,0	128,0	-	-	51,8	30	Ø65	371,0				
EVM/I32 14-3F5/30	2361201304I	<b>11.544,00</b>	40	30	-	298,0	270,0	222,0	175,0	126,0	-	-	51,8	30	Ø65	375,0				
EVM/I32 14-0F5/30	2361201004I	<b>11.544,00</b>	40	30	-	307,0	281,0	236,0	188,0	138,0	-	-	51,8	30	Ø65	375,0				
EVM/I45 1-1F5/3,0	2411100104I	<b>1.348,00</b>	4	3	-	-	18,9	17,6	16,3	14,3	8,3	-	9,7	5,6	-	Ø80	99,0			
EVM/I45 1-0F5/4,0	2411120004I	<b>1.636,00</b>	5,5	4	-	-	25,6	24,6	23,5	21,8	16,7	13,3	12,1	7	-	Ø80	105,0			
EVM/I45 2-2F5/5,5	2411130204I	<b>1.647,00</b>	7,5	5,5	-	-	38,1	35,8	33,4	29,8	18,6	-	10	5,8	Ø80	125,0				
EVM/I45 2-0F5/7,5	2411140004I	<b>1.652,00</b>	10	7,5	-	-	51,5	50,0	48,0	45,0	35,4	29,1	-	13,5	7,8	Ø80	127,0			
EVM/I45 3-2F5/11	2411160204I	<b>3.336,00</b>	15	11	-	-	64,0	61,0	58,0	53,0	37,3	-	-	19,5	11,2	Ø80	168,0			
EVM/I45 3-0F5/11	2411160004I	<b>3.336,00</b>	15	11	-	-	77,5	75,0	72,5	68,0	54,0	45,0	-	19,5	11,2	Ø80	168,0			
EVM/I45 4-2F5/15	2411170204I	<b>4.293,00</b>	20	15	-	-	90,0	86,0	82,0	76,0	56,0	43,0	-	26,7	15,4	Ø80	204,0			
EVM/I45 4-0F5/15	2411170004I	<b>4.293,00</b>	20	15	-	-	103,0	100,0	96,5	91,0	73,0	60,5	-	26,7	15,4	Ø80	204,0			
EVM/I45 5-2F5/18,5	2411180204I	<b>4.906,00</b>	25	18,5	-	-	116,0	111,0	107,0	99,0	74,5	58,5	-	35,3	20,4	Ø80	242,0			
EVM/I45 5-0F5/18,5	2411180004I	<b>4.906,00</b>	25	18,5	-	-	129,0	125,0	121,0	114,0	91,5	76,5	-	35,3	20,4	Ø80	242,0			
EVM/I45 6-2F5/22	2411190204I	<b>5.493,00</b>	30	22	-	-	142,0	137,0	131,0	122,0	93,5	74,5	-	38	22	Ø80	306,0			
EVM/I45 6-0F5/22	2411190004I	<b>5.493,00</b>	30	22	-	-	155,0	151,0	146,0	137,0	110,0	92,5	-	38	22	Ø80	306,0			
EVM/I45 7-2F5/30	2411200204I	<b>5.986,00</b>	40	30	-	-	168,0	162,0	155,0	145,0	112,0	90,5	-	51,8	30	Ø80	377,0			
EVM/I45 7-0F5/30	2411200004I	<b>5.986,00</b>	40	30	-	-	181,0	176,0	170,0	160,0	129,0	108,0	-	51,8	30	Ø80	377,0			
EVM/I45 8-2F5/30	2411201204I	<b>6.364,00</b>	40	30	-	-	194,0	187,0	180,0	168,0	131,0	106,0	-	51,8	30	Ø80	388,0			
EVM/I45 8-0F5/30	2411201004I	<b>6.364,00</b>	40	30	-	-	207,0	201,0	194,0	183,0	148,0	124,0	-	51,8	30	Ø80	388,0			
EVM/I45 9-2F5/30	2411202204I	<b>6.535,00</b>	40	30	-	-	219,0	212,0	204,0	191,0	150,0	122,0	-	51,8	30	Ø80	393,0			
EVM/I45 9-0F5/37	2411250004I	<b>6.968,00</b>	50	37	-	-	233,0	226,0	219,0	206,0	166,0	140,0	-	62,5	36	Ø80	414,0			
EVM/I45 10-2F5/37	2411250204I	<b>7.658,00</b>	50	37	-	-	245,0	237,0	229,0	214,0	168,0	138,0	-	62,5	36	Ø80	419,0			
EVM/I45 10-0F5/37	2411251004I	<b>7.658,00</b>	50	37	-	-	259,0	251,0	243,0	229,0	185,0	156,0	-	62,5	36	Ø80	419,0			

"F" version = round counterflanges (as accessories, see page 386)

EVM 32-45-64 pumps house the mechanical seal with cartridge as per standard

"K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

# EVM 64

Vertical multistage pumps in cast iron



Three phase 230/400/690V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
					I/min	500	600	700	900	1000	1200	1400	[A]				
					m³/h	30	36	42	54	60	72	84	230V	400V	690V		
H=Total head [m]																	
EVM/64 1-1F5/4,0	2461120104I	<b>2.019,00</b>	5,5	4		21	20,4	19,7	17,5	15,9	11,4	-	12,1	7	-	Ø100	99,0
EVM/64 1-0F5/5,5	2461130004I	<b>2.019,00</b>	7,5	5,5		26,6	26,1	25,4	23,7	22,3	18,5	13,5	-	10	5,8	Ø100	105,0
EVM/64 2-2F5/7,5	2461140204I	<b>2.537,00</b>	10	7,5		42,5	41,5	40,5	36,5	33,5	25,3	-	-	13,5	7,8	Ø100	125,0
EVM/64 2-1F5/11	2461160104I	<b>3.222,00</b>	15	11		48	47	46	42,5	40	32,4	23	-	19,5	11,2	Ø100	127,0
EVM/64 2-0F5/11	2461160004I	<b>3.222,00</b>	15	11		53,5	53	52	49	46,5	39,5	30,6	-	19,5	11,2	Ø100	168,0
EVM/64 3-3F5/15	2461170304I	<b>3.605,00</b>	20	15		64	62,5	61	55,5	51	39,3	-	-	26,7	15,4	Ø100	168,0
EVM/64 3-2F5/15	2461170204I	<b>3.605,00</b>	20	15		69,5	68	66,5	61,5	57,5	46,5	32,5	-	26,7	15,4	Ø100	204,0
EVM/64 3-1F5/15	2461170104I	<b>3.605,00</b>	20	15		75	74	72,5	68	64	53,5	40	-	26,7	15,4	Ø100	204,0
EVM/64 3-0F5/18,5	2461180004I	<b>4.681,00</b>	25	18,5		80,5	79,5	78	74	70,5	60,5	47,5	-	35,3	20,4	Ø100	242,0
EVM/64 4-3F5/18,5	2461180304I	<b>5.293,00</b>	25	18,5		91	89	87	80,5	75,5	60,5	42	-	35,3	20,4	Ø100	242,0
EVM/64 4-2F5/18,5	2461180204I	<b>5.293,00</b>	25	18,5		96,5	95	93	87	81,5	67,5	49,5	-	35,3	20,4	Ø100	306,0
EVM/64 4-1F5/22	2461190104I	<b>5.105,00</b>	30	22		102	101	98,5	93	88	74,5	57	-	38	22	Ø100	306,0
EVM/64 4-0F5/22	2461190004I	<b>5.105,00</b>	30	22		108	106	104	99	94,5	81,5	64,5	-	38	22	Ø100	377,0
EVM/64 5-3F5/30	2461200304I	<b>5.899,00</b>	40	30		118	116	114	106	99,5	81,5	59	-	51,8	30	Ø100	377,0
EVM/64 5-2F5/30	2461200204I	<b>5.899,00</b>	40	30		124	122	119	112	106	88,5	66,5	-	51,8	30	Ø100	388,0
EVM/64 5-1F5/30	2461200104I	<b>5.899,00</b>	40	30		129	127	125	118	112	95,5	74	-	51,8	30	Ø100	388,0
EVM/64 5-0F5/30	2461201004I	<b>5.899,00</b>	40	30		135	133	131	124	119	103	81,5	-	51,8	30	Ø100	393,0
EVM/64 6-3F5/30	2461201304I	<b>5.926,00</b>	40	30		145	143	140	131	124	103	76	-	51,8	30	Ø100	414,0
EVM/64 6-2F5/30	2461201204I	<b>5.926,00</b>	40	30		151	148	146	137	130	110	83,5	-	51,8	30	Ø100	419,0
EVM/64 6-1F5/37	2461250104I	<b>6.413,00</b>	50	37		156	154	151	143	136	117	91	-	62,5	36	Ø100	419,0
EVM/64 6-0F5/37	2461250004I	<b>6.413,00</b>	50	37		162	160	157	149	143	124	99	-	62,5	36	Ø100	376,0
EVM/64 7-3F5/37	2461251304I	<b>7.214,00</b>	50	37		172	169	166	156	148	124	93	-	62,5	36	Ø100	378,0
EVM/64 7-2F5/37	2461251204I	<b>7.214,00</b>	50	37		178	175	172	162	154	131	101	-	62,5	36	Ø100	378,0
EVM/64 7-1F5/37	2461251104I	<b>7.214,00</b>	50	37		183	181	178	168	161	138	108	-	62,5	36	Ø100	378,0

"F" version = round counterflanges (as accessories, see page 386 )  
 EVM 32-45-64 pumps house the mechanical seal with cartridge as per standard  
 "K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

Multistage

# EVM(S)G with E-drive



## Electric vertical multistage pumps in cast iron

Vertical multistage centrifugal pumps complete of inverter. Reliable, these pumps combine the features of a standard EVM(S)G and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Easy maintenance



High efficiency



Practical and easy to use

## Technical data

<b>Max. working pressure</b>	16 bar for oval flanged version (N) 25 bar for the rest of the range
------------------------------	---

<b>Max. temperature of the liquid</b>	-30°C ÷ 140°C
---------------------------------------	---------------

<b>MEI</b>	> 0,7
------------	-------

<b>Poles</b>	2
--------------	---

<b>Insulation class</b>	F (temperature rise class B)
-------------------------	------------------------------

<b>Protection degree</b>	IP55
--------------------------	------

<b>Voltage</b>	Inverter single phase 230V Inverter three phase 400V
----------------	---

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	AISI 304
<b>Shaft</b>	AISI 304
<b>Mechanical seal</b>	Q <sub>1</sub> BEG - Unbalanced SiC/Carbon EPDM HQ <sub>1</sub> BEG - Balanced SiC/Carbon EPDM HQ <sub>9</sub> Q <sub>1</sub> EG - Balanced SiC/SiC EPDM Q <sub>1</sub> BVG - Unbalanced SiC/Carbon FPM HQ <sub>1</sub> BVG - Balanced SiC/Carbon FPM HQ <sub>9</sub> Q <sub>1</sub> VG - Balanced SiC/SiC FPM
<b>Motor support</b>	Cast iron

## Accessories



### Counterflanges kit

Page 386 - Galvanized, AISI 304 and AISI 316 counterflanges kit



# EVMSG with E-drive



Vertical multistage pumps in cast iron

Single phase 230V*													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]** 230V	DNA DNM	Weight [kg]
					l/min	20	30	40	60	75	100	130			
					m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,5	6,0	7,8			
H=Total head [m]															
EVMSG3 8N5/0,75 ETM EDM	1547501601	<b>2.365,00</b>	1	0,75		56,5	54,5	51,5	44	33,4	-	-	15	G1	29,5
EVMSG3 9N5/1,1 ETM EDM	1547501602	<b>2.423,00</b>	1,5	1,1		63,5	61	58	49	37,6	-	-	15	G1	31,5
EVMSG5 6N5/1,5 ETM EDM	1547501603	<b>2.411,00</b>	2	1,5		-	-	54	51	48	41,5	30,6	15	G1¼	33,5
EVMSG5 7N5/1,5 ETM EDM	1547501604	<b>2.466,00</b>	2	1,5		-	-	63	59,5	56	48,5	35,7	15	G1¼	34,0

\* Inverter single phase 230V main supply with 230V three phase pump

\*\* Max. absorbed current from the inverter

Three phase 400V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]** 400V	DNA DNM	Weight [kg]
					l/min	40	60	75	100	130	150	200			
					m <sup>3</sup> /h	2,4	3,6	4,5	6,0	7,8	9,0	12,0			
H=Total head [m]															
EVMSG5 6N5/1,5 ETM EDT	1547501605	<b>2.946,00</b>	2	1,5		54	51	48	41,5	30,6	-	-	10,0	G1¼	34,0
EVMSG5 7N5/1,5 ETM EDT	1547501606	<b>2.996,00</b>	2	1,5		63	59,5	56	48,5	35,7	-	-	10,0	G1¼	34,5
EVMSG10 5N5/2,2 ETM EDT	1547501607	<b>3.476,00</b>	3	2,2		-	53	52	49,3	46,7	41,5	37,3	10,0	G1½	44,7
EVMSG10 6N5/2,2 ETM EDT	1547501608	<b>3.585,00</b>	3	2,2		-	63,5	62,5	59	56	50	45	10,0	G1½	45,5
EVMSG10 7N5/3 ETM EDT	1547501609	<b>4.107,00</b>	4	3		-	74	73	69	65,5	58	52	13,5	G1½	53,3

\*\* Max. absorbed current from the inverter

Three phase 400V													2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr. [A]** 400V	DNA DNM	Weight [kg]
					l/min	200	350	500	600	700	900	1000	1200	1400			
					m <sup>3</sup> /h	12	21	30	36	42	54	60	72	84			
H=Total head [m]																	
EVMG/I32 1-0F5/2,2 EDT	1547501046I	<b>3.578,00</b>	3	2,2		21,7	19,6	16,4	13,2	9,7	-	-	-	-	10	Ø65	76,5
EVMG/I32 2-0F5/4,0 EDT	1547501047I	<b>4.285,00</b>	5,5	4		43,5	39,2	32,8	26,5	19,4	-	-	-	-	13,5	Ø65	89,0
EVMG/I32 3-1F5/5,5 EDT	1547501048I	<b>5.099,00</b>	7,5	5,5		62,0	55,0	44,5	35,2	24,5	-	-	-	-	16	Ø65	119,6
EVMG/I32 4-1F5/7,5 EDT	1547501049I	<b>5.667,00</b>	10	7,5		83,5	74,5	61,0	48,5	34,2	-	-	-	-	21,0	Ø65	126,4
EVMG/I32 5-0F5/11 EDT	1547501050I	<b>6.791,00</b>	15	11		110,0	100,0	84,0	67,0	49,0	-	-	-	-	31,0	Ø65	176,3
EVMG/I32 6-2F5/11 EDT	1547501051I	<b>7.005,00</b>	15	11		125,0	113,0	91,5	71,5	51,0	-	-	-	-	31,0	Ø65	179,3
EVMG/I45 1-1F5/3 EDT	1547501052I	<b>4.392,00</b>	4	3		-	18,9	17,6	16,3	14,3	8,3	-	-	-	13,5	Ø80	98,3
EVMG/I45 1-0F5/4 EDT	1547501053I	<b>4.467,00</b>	5,5	4		-	25,6	24,6	23,5	21,8	16,7	13,3	-	-	13,5	Ø80	104,0
EVMG/I45 2-2F5/5,5 EDT	1547501054I	<b>5.474,00</b>	7,5	5,5		-	38,1	35,8	33,4	29,8	18,6	-	-	-	16	Ø80	126,6
EVMG/I45 2-0F5/7,5 EDT	1547501055I	<b>5.902,00</b>	10	7,5		-	51,5	50,0	48,0	45,0	35,4	29,1	-	-	21,0	Ø80	130,4
EVMG/I45 3-0F5/11 EDT	1547501056I	<b>7.231,00</b>	15	11		-	77,5	75,0	72,5	68,0	54,0	45,0	-	-	31	Ø80	179,3
EVMG/I64 1-1F5/4 EDT	1547501057I	<b>4.509,00</b>	5,5	4		-	-	21	20,4	19,7	17,5	15,9	11,4	-	13,5	Ø100	101,4
EVMG/I64 1-0F5/5,5 EDT	1547501058I	<b>5.206,00</b>	7,5	5,5		-	-	26,6	26,1	25,4	23,7	22,3	18,5	13,5	16	Ø100	122,6
EVMG/I64 2-2F5/7,5 EDT	1547501059I	<b>5.934,00</b>	10	7,5		-	-	42,5	41,5	40,5	36,5	33,5	25,3	-	21	Ø100	130,8
EVMG/I64 2-0F5/11 EDT	1547501060I	<b>6.941,00</b>	15	11		-	-	53,5	53	52	49	46,5	39,5	30,6	31	Ø100	173,8

\*\* Max. absorbed current from the inverter

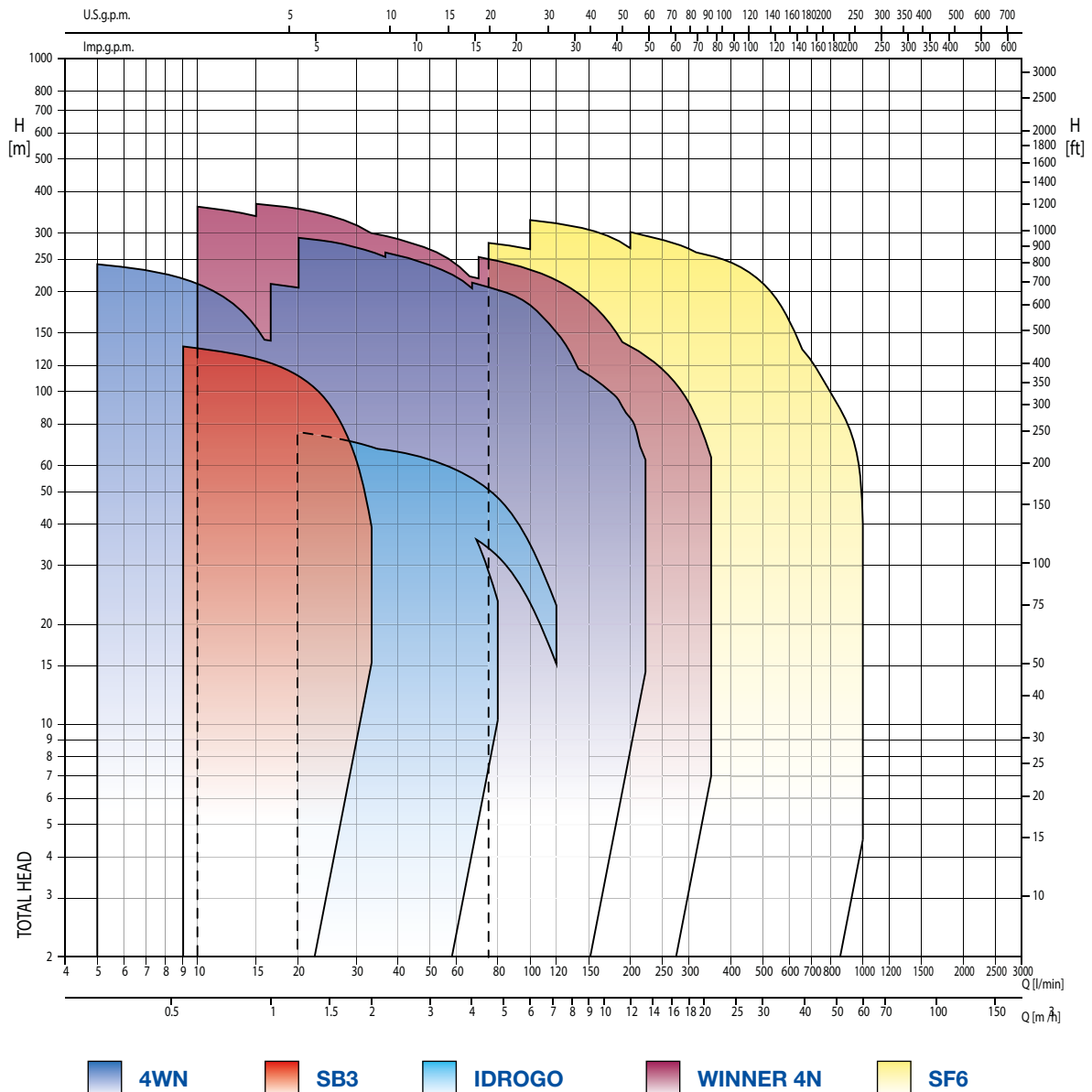
# Borehole pumps

Model	External casing	Impeller material	Well size
IDROGO	AISI 304	PPE + PS	5"
SB3	AISI 304	Technopolymer	3"
WINNER 4N	AISI 304	Technopolymer/Ixef®	4"
4WN	AISI 304	PPO reinforced with fibreglass	4"
4BHS	AISI 304	AISI 304	4"
SF6	AISI 304	Technopolymer	6"
6BHE(L)	AISI 304 <sup>1</sup>	AISI 304/316 <sup>1</sup>	6"
8BHE(L)	AISI 304 <sup>1</sup>	AISI 304/316 <sup>1</sup>	8"

PPE+PS= Technopolymer reinforced with fibreglass

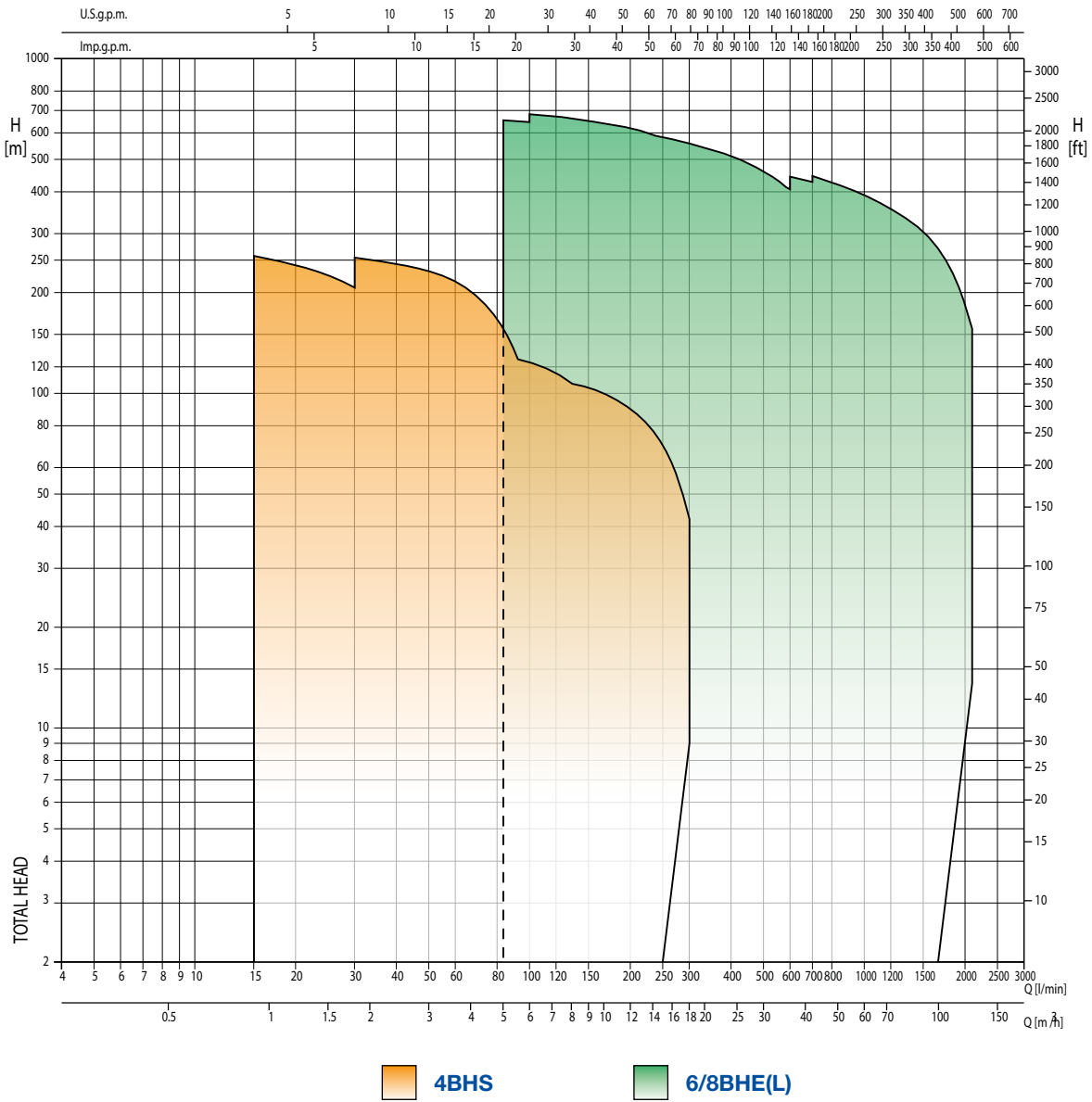
<sup>1</sup>AISI 316 for BHEL

## PPE/TECHNOPOLYMER





### AISI 304/316



# Borehole pumps

## Introduction to application of borehole pumps

A different water quality (quantity of sand, PH, TH,...) need a different pump solution. We designed and realized a complete borehole range to give the right solution for every application.

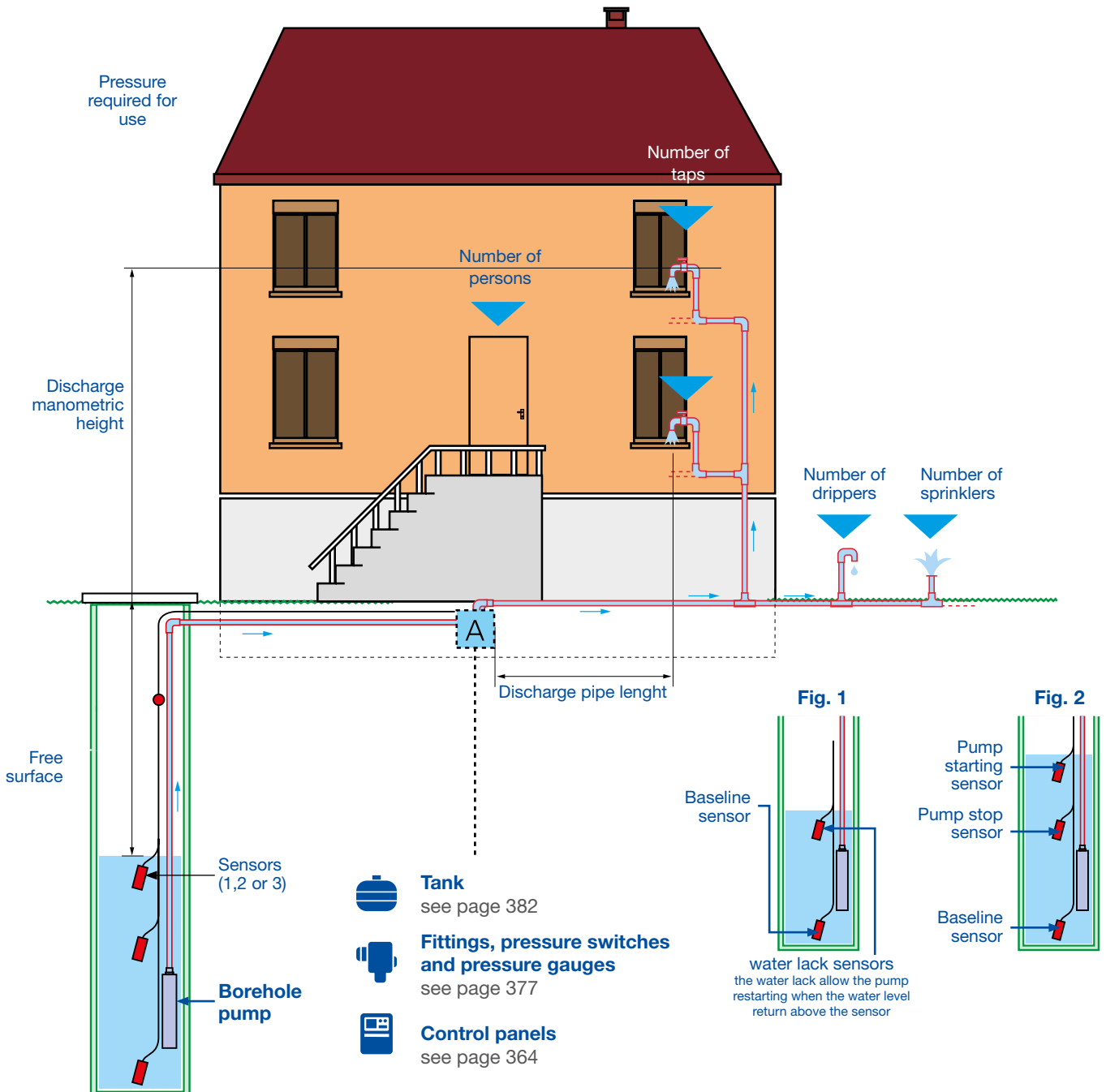
### Protection: Cos $\phi$ 1, 2, 3 sensors

#### Thermal protection

Our control panel ensure a right thermal protection

#### Protection against lack of water

- Manhole or perforation with return of ground water notable (high flow rate)
  - 1 or 2 temporized sensors (see Fig.1)
  - Cos  $\phi$  stop the pumps when the water level is achieved and control the water presence with a temporized control.
- Manhole with return of ground water insufficient
  - 3 sensors can verify, for each start, if water level is achieve (see Fig.2).



	<b>SB3</b> 3" borehole centrifugal pumps (hydraulic only)	<b>158</b>
	<b>WINNER 4N</b> 4" borehole centrifugal pumps	<b>160</b>
	<b>4WN</b> 4" borehole centrifugal pumps	<b>170</b>
	<b>4BHS</b> 4" borehole centrifugal pumps completely in AISI 304 stainless steel	<b>177</b>
	<b>IDROGO</b> 5" borehole or open-well pumps	<b>180</b>
	<b>SF6</b> 6" borehole centrifugal pumps completely in AISI 304 (hydraulic only)	<b>183</b>
	<b>6BHE(L)</b> 6" borehole centrifugal pumps in AISI 304 and AISI 316 stainless steel (hydraulic only)	<b>187</b>
	<b>8BHE(L)</b> 8" borehole centrifugal pumps in AISI 304 and AISI 316 stainless steel (hydraulic only)	<b>208</b>
	<b>MOTORS</b> 3"-4"-6"-8" borehole motors	<b>211</b>
	<b>CABLES DIMENSIONING</b>	<b>221</b>

# SB3



## 3" borehole centrifugal pumps (hydraulic only)

3" borehole pumps for deep wells particularly suitable for water supply systems on housing, irrigation field and industrial applications.



Low noise



Practical and easy to use



Suitable for horizontal operation

### Technical data

Max. immersion	60 m
Max. temperature of the liquid	30°C
Max. sand content	50 ppm
Poles	2
Insulation class	F
Protection degree	IP 58
Voltage	Single phase 230V $\pm$ 6-10% Three phase 400V $\pm$ 6-10%

### Materials

External casing	AISI 304
Impeller	PPO reinforced with fibreglass
Shaft	AISI 430F
Discharge casing	AISI 304
Motor connection	AISI 304

### Accessories



#### Capacitors

Page 377 - **Capacitors 450V**



#### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - Smart



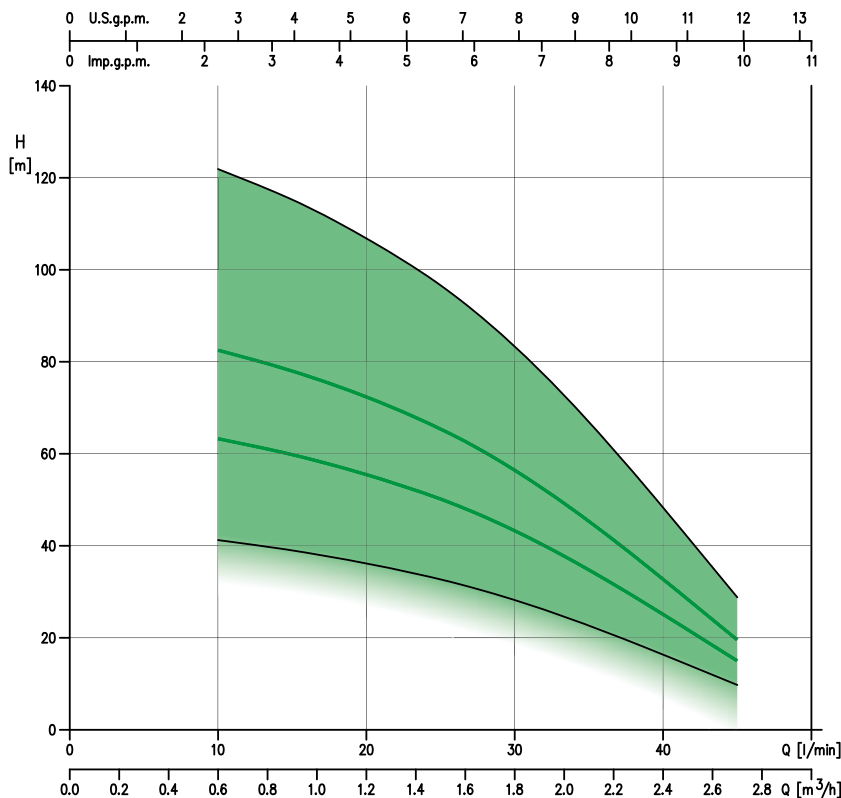
#### Floats

Page 377 - **5/10 m key floats with counterweight**

# SB3



## 3" borehole centrifugal pumps (hydraulic only)



### Selection table

Model	HP	kW	Q=Flow rate								
			l/min m³/h	10 0,6	15 0,9	20 1,2	25 1,5	30 1,8	35 2,1	40 2,4	45 2,7
SB3-15	0,5	0,37		41,5	39,0	36,2	32,7	28,2	22,7	16,5	9,8
SB3-23	0,75	0,55		63,5	60,0	55,5	50,0	43,5	34,7	25,1	15,0
SB3-30	1	0,75		82,5	78,0	72,5	65,5	56,5	45,5	32,7	19,5
SB3-45	1,5	1,1		122,0	115,0	107,0	96,6	83,5	67,0	48,5	28,8

### Single phase 230V 2 Poles

Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]	Suitable motor for coupling 1~
SB3-15	1540000316A	337,00	0,5	0,37	3,75	G1	3,3	1505000200
SB3-23	1540000216A	422,00	0,75	0,55	4,5	G1	4,4	1505000100
SB3-30	1540000116A	506,00	1	0,75	5,85	G1	5,6	1505000000

### Three phase 400V 2 Poles

Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]	Suitable motor for coupling 3~
SB3-15	1540000316A	337,00	0,5	0,37	2	G1	3,3	1505060100
SB3-23	1540000216A	422,00	0,75	0,55	2,1	G1	4,4	1505000104
SB3-30	1540000116A	506,00	1	0,75	2,5	G1	5,6	1505000004
SB3-45	1540000416A	705,00	1,5	1,1	3,2	G1	7,6	1505000204

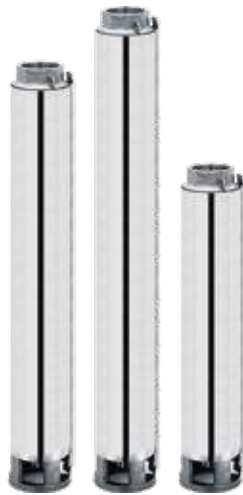
Borehole

# WINNER 4N



## 4" borehole centrifugal pumps

Borehole centrifugal pumps with floating impellers suitable for clean water handling, boosters, irrigations field for agriculture, domestic or industrial use. Pumps can work horizontally



Low noise



Practical and easy to use



Suitable for horizontal operation

## Materials

External casing	AISI 304
Impeller	Ixef® for 4N1 - 4N2 - 4N4 - 4N7, PC reinforced with fibreglass for 4N10, 4N15
Shaft	AISI 304
Discharge casing	ASTM CF8
Motor connection	AISI 304

## Technical data

Max. immersion	350 m (water filled motor) 150 m (oil filled motor)
Max. temperature of the liquid	40°C (depends on max. motor temperature)
Max. sand content	50 ppm
Poles	2
Insulation class	F (OY), B (WY)
Protection degree	IP 68
Voltage	Single phase 230V ±10% OYM Three phase 380-415V ±10% OY Single phase 230V -10%+6% WYM Three phase 380-415V -10%+6% WY

## Accessories



### Cables

Page 379 - **Quadripolar cables**



### Capacitors

Page 377 - **Capacitors 450V**



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - Smart



### Floats

Page 377 - **5/10 m key floats with counterweight**



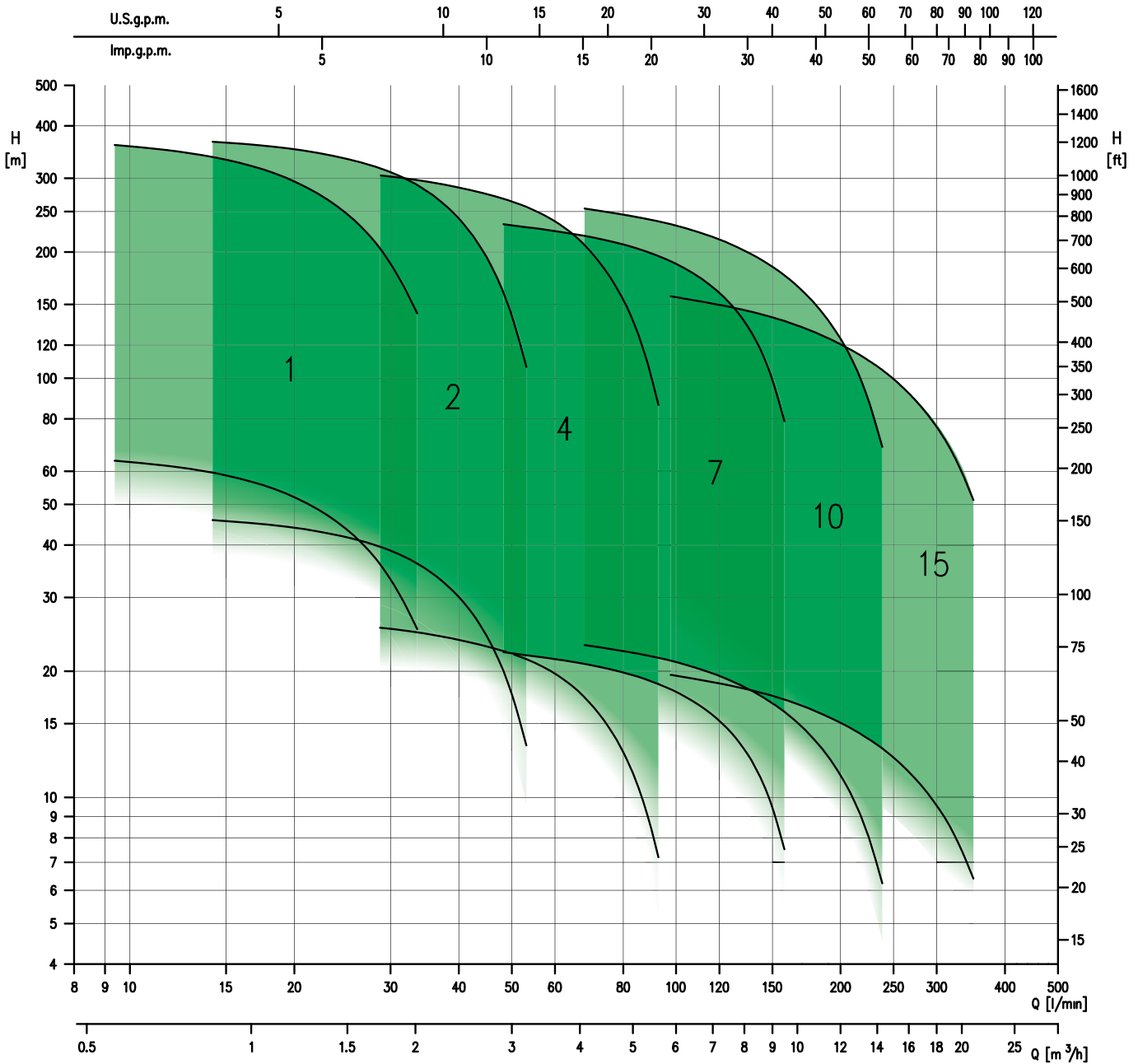
### Cooling sleeve

Page 380 - **Cooling sleeve for 4" borehole pumps**



# WINNER 4N

4" borehole centrifugal pumps



Borehole

# WINNER 4N

## 4" borehole centrifugal pumps



### Selection table

Model	HP	kW	Q=Flow rate										
			l/min	10	15	20	25	30	35	45	55	75	95
			m <sup>3</sup> /h	0,6	0,9	1,2	1,5	1,8	2,1	2,7	3,3	4,5	5,7
H=Total head [m]													
WINNER 4N1A-12	0,5	0,37		63,5	59,5	53,5	45,5	36,0	25,2	-	-	-	-
WINNER 4N1A-18	0,75	0,55		95,5	89,5	80,5	68,5	54,0	37,8	-	-	-	-
WINNER 4N1A-24	1	0,75		127,0	119,0	107,0	91,0	72,0	50,5	-	-	-	-
WINNER 4N1A-34	1,5	1,1		180,0	169,0	152,0	129,0	102,0	71,5	-	-	-	-
WINNER 4N1A-48	2	1,5		254,0	238,0	214,0	182,0	144,0	101,0	-	-	-	-
WINNER 4N1A-68	3	2,2		360,0	337,0	303,0	258,0	204,0	142,0	-	-	-	-
WINNER 4N2A-7	0,5	0,37		-	46,0	44,5	42,5	39,6	36,1	26,2	13,3	-	-
WINNER 4N2A-10	0,75	0,55		-	65,5	63,5	60,5	56,5	51,5	37,5	19,0	-	-
WINNER 4N2A-14	1	0,75		-	91,5	89,0	84,5	79,0	72,0	52,5	26,6	-	-
WINNER 4N2A-20	1,5	1,1		-	131,0	127,0	121,0	113,0	103,0	75,0	38,0	-	-
WINNER 4N2A-28	2	1,5		-	183,0	178,0	169,0	158,0	144,0	105,0	53,0	-	-
WINNER 4N2A-40	3	2,2		-	262,0	254,0	242,0	226,0	206,0	150,0	76,0	-	-
WINNER 4N2A-56	4	3		-	367,0	355,0	338,0	317,0	289,0	210,0	106,0	-	-
WINNER 4N4A-4	0,5	0,37		-	-	-	-	25,4	24,8	23,2	21,4	15,5	7,2
WINNER 4N4A-7	0,75	0,55		-	-	-	-	44,45	43,33	40,6	37,38	27,23	12,6
WINNER 4N4A-9	1	0,75		-	-	-	-	57,0	55,5	52,0	48,0	35,0	16,2
WINNER 4N4A-13	1,5	1,1		-	-	-	-	82,5	80,5	75,5	69,5	50,5	23,4
WINNER 4N4A-18	2	1,5		-	-	-	-	114,0	111,0	104,0	96,0	70,0	32,4
WINNER 4N4A-27	3	2,2		-	-	-	-	171,0	167,0	157,0	144,0	105,0	48,5
WINNER 4N4A-36	4	3		-	-	-	-	229,0	223,0	209,0	192,0	140,0	65,0
WINNER 4N4A-48	5,5	4		-	-	-	-	305,0	297,0	278,0	256,0	187,0	86,5

### Selection table

Model	HP	kW	Q=Flow rate										
			l/min	50	70	100	130	160	200	240	280	320	350
			m <sup>3</sup> /h	3	4,2	6	7,8	9,6	12	14,4	16,8	19,2	21
H=Total head [m]													
WINNER 4N7A-4	0,75	0,55		22,2	20,8	18,1	14,0	7,5	-	-	-	-	-
WINNER 4N7A-6	1	0,75		33,3	31,2	27,1	21,0	11,3	-	-	-	-	-
WINNER 4N7A-8	1,5	1,1		44,5	41,5	36,2	28,0	15,0	-	-	-	-	-
WINNER 4N7A-12	2	1,5		66,5	62,5	54,5	42,0	22,6	-	-	-	-	-
WINNER 4N7A-17	3	2,2		94,5	88,5	77,0	59,5	32,0	-	-	-	-	-
WINNER 4N7A-23	4	3		128,0	120,0	104,0	80,5	43,5	-	-	-	-	-
WINNER 4N7A-30	5,5	4		166,0	156,0	136,0	105,0	56,5	-	-	-	-	-
WINNER 4N7A-42	7,5	5,5		233,0	219,0	190,0	147,0	79,0	-	-	-	-	-
WINNER 4N10-4	1	0,75		-	23,1	21,2	18,8	16,0	11,5	6,2	-	-	-
WINNER 4N10-6	1,5	1,1		-	34,6	31,8	28,2	24,0	17,3	9,4	-	-	-
WINNER 4N10-8	2	1,5		-	46,2	42,5	37,7	32,0	23,1	12,5	-	-	-
WINNER 4N10-13	3	2,2		-	75,0	69,0	61,0	52,0	37,5	20,3	-	-	-
WINNER 4N10-17	4	3		-	98,0	90,0	80,0	68,0	49,0	26,5	-	-	-
WINNER 4N10-23	5,5	4		-	133,0	122,0	108,0	92,0	66,5	35,8	-	-	-
WINNER 4N10-32	7,5	5,5		-	185,0	170,0	151,0	128,0	92,0	50,0	-	-	-
WINNER 4N10-44	10	7,5		-	254,0	233,0	207,0	176,0	127	68,5	-	-	-
WINNER 4N15-4	1,5	1,1		-	-	23,5	22,4	21,0	18,9	16,3	13,3	9,8	7,0
WINNER 4N15-6	2	1,5		-	-	35,3	33,6	31,5	28,3	24,4	19,9	14,7	10,5
WINNER 4N15-8	3	2,2		-	-	47,0	45,0	42,0	37,7	32,5	26,5	19,6	14,0
WINNER 4N15-11	4	3		-	-	67,5	65,0	61,5	56,0	49,5	41,9	33,2	25,9
WINNER 4N15-14	5,5	4		-	-	86,0	82,5	78,0	71,5	63,0	53,5	42,0	33,0
WINNER 4N15-20	7,5	5,5		-	-	123,0	118,0	112,0	102,0	90,0	76,0	60,5	47,0
WINNER 4N15-27	10	7,5		-	-	166,0	159,0	151,0	137,0	121,0	103,0	81,5	63,5



# WINNER 4N - only hydraulic

4" borehole centrifugal pumps (hydraulic only)



Hydraulic only										2 Poles	
Model	Code	£ Stg	HP	kW	DNM	Weight [kg]	Suitable motor for coupling				
							Oil filled OY		Water filled WY		
							1~	3~	1~	3~	
WINNER 4N1A-12	3551000012A	292,00	0,5	0,37	G1¼	3,7	1509050000	1509030004	1505050000	1505050004	
WINNER 4N1A-18	3551000018A	326,00	0,75	0,55	G1¼	4,8	1509070000	1509070004	1505090000	1505090004	
WINNER 4N1A-24	3551000024A	355,00	1	0,75	G1¼	5,9	1509100000	1509100004	1505100000	1505100004	
WINNER 4N1A-34	3551000034A	450,00	1,5	1,1	G1¼	8,0	1509110000	1509150004	1505150000	1505150004	
WINNER 4N1A-48	3551000048A	773,00	2	1,5	G1¼	11,8	1509150000	1509200004	1505200000	1505200004	
WINNER 4N1A-68	3551000068A	904,00	3	2,2	G1¼	15,0	1509220100	1509300004	1505300000	1505300004	
WINNER 4N2A-7	3552000007A	313,00	0,5	0,37	G1¼	3,8	1509050000	1509030004	1505050000	1505050004	
WINNER 4N2A-10	3552000010A	371,00	0,75	0,55	G1¼	4,1	1509070000	1509070004	1505090000	1505090004	
WINNER 4N2A-14	3552000014A	468,00	1	0,75	G1¼	4,4	1509100000	1509100004	1505100000	1505100004	
WINNER 4N2A-20	3552000020A	570,00	1,5	1,1	G1¼	5,3	1509110000	1509150004	1505150000	1505150004	
WINNER 4N2A-28	3552000028A	772,00	2	1,5	G1¼	6,7	1509150000	1509200004	1505200000	1505200004	
WINNER 4N2A-40	3552000040A	931,00	3	2,2	G1¼	10,0	1509220100	1509300004	1505300000	1505300004	
WINNER 4N2A-56	3552000056A	991,00	4	3	G1¼	13,0	-	1509400004	-	1505400004	
WINNER 4N4A-4	3553000004A	302,00	0,5	0,37	G1¼	2,4	1509050000	1509030004	1505050000	1505050004	
WINNER 4N4A-7	3553000007A	351,00	0,75	0,55	G1¼	3,0	1509070000	1509070004	1505090000	1505090004	
WINNER 4N4A-9	3553000009A	387,00	1	0,75	G1¼	3,4	1509100000	1509100004	1505100000	1505100004	
WINNER 4N4A-13	3553000013A	452,00	1,5	1,1	G1¼	4,3	1509110000	1509150004	1505150000	1505150004	
WINNER 4N4A-18	3553000018A	562,00	2	1,5	G1¼	5,4	1509150000	1509200004	1505200000	1505200004	
WINNER 4N4A-27	3553000027A	713,00	3	2,2	G1¼	7,3	1509220100	1509300004	1505300000	1505300004	
WINNER 4N4A-36	3553000036A	991,00	4	3	G1¼	11,0	-	1509400004	-	1505400004	
WINNER 4N4A-48	3553000048A	1.062,00	5,5	4	G1¼	14,0	-	1509550004	-	1505550004	
WINNER 4N7A-4	3557000004A	388,00	0,75	0,55	G2	3,0	1509070000	1509070004	1505090000	1505090004	
WINNER 4N7A-6	3557000006A	394,00	1	0,75	G2	3,5	1509100000	1509100004	1505100000	1505100004	
WINNER 4N7A-8	3557000008A	397,00	1,5	1,1	G2	4,0	1509110000	1509150004	1505150000	1505150004	
WINNER 4N7A-12	3557000012A	423,00	2	1,5	G2	5,5	1509150000	1509200004	1505200000	1505200004	
WINNER 4N7A-17	3557000017A	470,00	3	2,2	G2	7,1	1509220100	1509300004	1505300000	1505300004	
WINNER 4N7A-23	3557000023A	552,00	4	3	G2	9,0	-	1509400004	-	1505400004	
WINNER 4N7A-30	3557000030A	941,00	5,5	4	G2	12,8	-	1509550004	-	1505550004	
WINNER 4N7A-42	3557000042A	1.069,00	7,5	5,5	G2	16,5	-	1509750004	-	1505750004	
WINNER 4N10-4	3571100004	321,00	1	0,75	G2	3,3	1509100000	1509100004	1505100000	1505100004	
WINNER 4N10-6	3571100006	376,00	1,5	1,1	G2	4,1	1509110000	1509150004	1505150000	1505150004	
WINNER 4N10-8	3571100008	440,00	2	1,5	G2	5,0	1509150000	1509200004	1505200000	1505200004	
WINNER 4N10-13	3571100013	523,00	3	2,2	G2	7,3	1509220100	1509300004	1505300000	1505300004	
WINNER 4N10-17	3571100017	809,00	4	3	G2	9,1	-	1509400004	-	1505400004	
WINNER 4N10-23	3571100023	949,00	5,5	4	G2	11,7	-	1509550004	-	1505550004	
WINNER 4N10-32	3571100032	1.068,00	7,5	5,5	G2	17,0	-	1509750004	-	1505750004	
WINNER 4N10-44	3571100044	1.163,00	10	7,5	G2	22,7	-	1509100104	-	1505110004	
WINNER 4N15-4	3571150004	358,00	1,5	1,1	G2	3,8	1509110000	1509150004	1505150000	1505150004	
WINNER 4N15-6	3571150006	432,00	2	1,5	G2	5,0	1509150000	1509200004	1505200000	1505200004	
WINNER 4N15-8	3571150008	604,00	3	2,2	G2	6,0	1509220100	1509300004	1505300000	1505300004	
WINNER 4N15-11	3571150011	973,00	4	3	G2	8,2	-	1509400004	-	1505400004	
WINNER 4N15-14	3571150014	1.118,00	5,5	4	G2	10,5	-	1509550004	-	1505550004	
WINNER 4N15-20	3571150020	1.368,00	7,5	5,5	G2	15,5	-	1509750004	-	1505750004	
WINNER 4N15-27	3571150027	1.518,00	10	7,5	G2	23,0	-	1509100104	-	1505110004	

See motors on page 211  
 OY: oil filled motor - WY: water filled motor

Borehole

# WINNER 4N - electric pumps



WINNER 4N pumps with oil filled motor OYM - EBARA MOTORS

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	10	15	25	30	35	55	75	95			
					m <sup>3</sup> /h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]																
WINNER OYM 4N1-12/0,37	2510100000A	550,00	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	3,6	G1¼	10,7
WINNER OYM 4N1-18/0,55	2510110000A	556,00	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	4,5	G1¼	12,4
WINNER OYM 4N1-24/0,75	2510120000A	602,00	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	6	G1¼	14,6
WINNER OYM 4N1-34/1,1	2510130000A	473,00	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	8,2	G1¼	18,3
WINNER OYM 4N1-48/1,5	2510140000A	617,00	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	11	G1¼	23,8
WINNER OYM 4N1-68/2,2	2510150000A	784,00	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	14,8	G1¼	29,2
WINNER OYM 4N2-7/0,37	2510200000A	517,00	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	3,6	G1¼	10,8
WINNER OYM 4N2-10/0,55	2510210000A	597,00	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	4,5	G1¼	11,7
WINNER OYM 4N2-14/0,75	2510220000A	704,00	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	6	G1¼	13,1
WINNER OYM 4N2-20/1,1	2510230000A	826,00	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	8,2	G1¼	15,6
WINNER OYM 4N2-28/1,5	2510240000A	1.087,00	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	11	G1¼	18,7
WINNER OYM 4N2-40/2,2	2510250000A	1.307,00	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	14,8	G1¼	24,2
WINNER OYM 4N4-4/0,37	2510400000A	518,00	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	3,6	G1¼	9,4
WINNER OYM 4N4-7/0,55	2510410000A	580,00	0,75	0,55		-	-	-	44,45	43,33	37,38	27,23	12,6	4,5	G1¼	10,6
WINNER OYM 4N4-9/0,75	2510420000A	643,00	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	6	G1¼	12,1
WINNER OYM 4N4-13/1,1	2510430000A	733,00	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	8,2	G1¼	14,6
WINNER OYM 4N4-18/1,5	2510440000A	914,00	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	11	G1¼	17,4
WINNER OYM 4N4-27/2,2	2510450000A	1.145,00	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	14,8	G1¼	21,5

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	50	70	100	160	200	240	280	350			
					m <sup>3</sup> /h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]																
WINNER OYM 4N7-4/0,55	2510700000A	611,00	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	4,5	G2	10,6
WINNER OYM 4N7-6/0,75	2510710000A	638,00	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	6	G2	12,2
WINNER OYM 4N7-8/1,1	2510720000A	679,00	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	8,2	G2	14,3
WINNER OYM 4N7-12/1,5	2510730000A	785,00	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	11	G2	17,5
WINNER OYM 4N7-17/2,2	2510740000A	1.090,00	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	14,8	G2	21,3
WINNER OYM 4N10-4/0,75	2512100400	556,00	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	6	G2	12,0
WINNER OYM 4N10-6/1,1	2512100600	667,00	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	8,2	G2	14,4
WINNER OYM 4N10-8/1,5	2512100800	798,00	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	11	G2	17
WINNER OYM 4N10-13/2,2	2512101300	1.041,00	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	14,8	G2	21,5
WINNER OYM 4N15-4/1,1	2512150400	650,00	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	8,2	G2	14,1
WINNER OYM 4N15-6/1,5	2512150600	789,00	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	11	G2	17,0
WINNER OYM 4N15-8/2,2	2512150800	1.051,00	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	14,8	G2	20,2

# WINNER 4N - electric pumps

WINNER 4N pumps with oil filled motor OY - EBARA MOTORS



Three phase 400V																2 Poles	
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]	
					l/min	10	15	25	30	35	55	75	95				
					m³/h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7				
H=Total head [m]																	
WINNER OY 4N1-12/0,37	2510100004A	494,00	0,5	0,37	-	63,5	59,5	45,5	36,0	25,2	-	-	-	1,6	G1¼	10,2	
WINNER OY 4N1-18/0,55	2510110004A	526,00	0,75	0,55	-	95,5	89,5	68,5	54,0	37,8	-	-	-	2	G1¼	11,8	
WINNER OY 4N1-24/0,75	2510120004A	569,00	1	0,75	-	127,0	119,0	91,0	72,0	50,5	-	-	-	2,6	G1¼	13,5	
WINNER OY 4N1-34/1,1	2510130004A	439,00	1,5	1,1	-	180,0	169,0	129,0	102,0	71,5	-	-	-	3,4	G1¼	16,7	
WINNER OY 4N1-48/1,5	2510140004A	583,00	2	1,5	-	254,0	238,0	182,0	144,0	101,0	-	-	-	4,6	G1¼	22,2	
WINNER OY 4N1-68/2,2	2510150004A	754,00	3	2,2	-	360,0	337,0	258,0	204,0	142,0	-	-	-	6,2	G1¼	27,0	
WINNER OY 4N2-7/0,37	2510200004A	508,00	0,5	0,37	-	-	46,0	42,5	39,6	36,1	13,3	-	-	1,6	G1¼	10,3	
WINNER OY 4N2-10/0,55	2510210004A	568,00	0,75	0,55	-	-	65,5	60,5	56,5	51,5	19,0	-	-	2	G1¼	11,1	
WINNER OY 4N2-14/0,75	2510220004A	671,00	1	0,75	-	-	91,5	84,5	79,0	72,0	26,6	-	-	2,6	G1¼	12,0	
WINNER OY 4N2-20/1,1	2510230004A	699,00	1,5	1,1	-	-	131,0	121,0	113,0	103,0	38,0	-	-	3,4	G1¼	14,0	
WINNER OY 4N2-28/1,5	2510240004A	1.029,00	2	1,5	-	-	183,0	169,0	158,0	144,0	53,0	-	-	4,6	G1¼	17,1	
WINNER OY 4N2-40/2,2	2510250004A	1.227,00	3	2,2	-	-	262,0	242,0	226,0	206,0	76,0	-	-	6,2	G1¼	22,0	
WINNER OY 4N2-56/3,0	2510260004A	1.402,00	4	3	-	-	367,0	338,0	317,0	289,0	106,0	-	-	7,8	G1¼	25,8	
WINNER OY 4N4-4/0,37	2510400004A	499,00	0,5	0,37	-	-	-	25,4	24,8	21,4	15,5	7,2	1,6	G1¼	8,9		
WINNER OY 4N4-7/0,55	2510410004A	550,00	0,75	0,55	-	-	-	44,45	43,33	37,38	27,23	12,6	2	G1¼	10,0		
WINNER OY 4N4-9/0,75	2510420004A	597,00	1	0,75	-	-	-	57,0	55,5	48,0	35,0	16,2	2,6	G1¼	11,0		
WINNER OY 4N4-13/1,1	2510430004A	702,00	1,5	1,1	-	-	-	82,5	80,5	69,5	50,5	23,4	3,4	G1¼	13,0		
WINNER OY 4N4-18/1,5	2510440004A	857,00	2	1,5	-	-	-	114,0	111,0	96,0	70,0	32,4	4,6	G1¼	15,8		
WINNER OY 4N4-27/2,2	2510450004A	1.062,00	3	2,2	-	-	-	171,0	167,0	144,0	105,0	48,5	6,2	G1¼	19,3		
WINNER OY 4N4-36/3,0	2510460004A	1.402,00	4	3	-	-	-	229,0	223,0	192,0	140,0	65,0	7,8	G1¼	23,8		
WINNER OY 4N4-48/4,0	2510470004A	1.533,00	5,5	4	-	-	-	305,0	297,0	256,0	187,0	86,5	9,8	G1¼	29,3		

Three phase 400V																2 Poles	
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]	
					l/min	50	70	100	160	200	240	280	350				
					m³/h	3	4,2	6	9,6	12	14,4	16,8	21				
H=Total head [m]																	
WINNER OY 4N7-4/0,55	2510700004A	581,00	0,75	0,55	-	22,2	20,8	18,1	7,5	-	-	-	-	2	G2	10,0	
WINNER OY 4N7-6/0,75	2510710004A	602,00	1	0,75	-	33,3	31,2	27,1	11,3	-	-	-	-	2,6	G2	11,1	
WINNER OY 4N7-8/1,1	2510720004A	655,00	1,5	1,1	-	44,5	41,5	36,2	15,0	-	-	-	-	3,4	G2	12,7	
WINNER OY 4N7-12/1,5	2510730004A	728,00	2	1,5	-	66,5	62,5	54,5	22,6	-	-	-	-	4,6	G2	15,9	
WINNER OY 4N7-17/2,2	2510740004A	997,00	3	2,2	-	94,5	88,5	77,0	32,0	-	-	-	-	6,2	G2	19,1	
WINNER OY 4N7-23/3,0	2510750004A	1.022,00	4	3	-	128,0	120,0	104,0	43,5	-	-	-	-	7,8	G2	21,8	
WINNER OY 4N7-30/4,0	2510760004A	1.533,00	5,5	4	-	166,0	156,0	136,0	56,5	-	-	-	-	9,8	G2	28,1	
WINNER OY 4N7-42/5,5	2510770004A	1.624,00	7,5	5,5	-	233,0	219,0	190,0	79,0	-	-	-	-	13,8	G2	35,1	
WINNER OY 4N10-4/0,75	2512100404	541,00	1	0,75	-	-	23,1	21,2	16,0	11,5	6,2	-	-	2,6	G2	10,9	
WINNER OY 4N10-6/1,1	2512100604	637,00	1,5	1,1	-	-	34,6	31,8	24,0	17,3	9,4	-	-	3,4	G2	12,8	
WINNER OY 4N10-8/1,5	2512100804	742,00	2	1,5	-	-	46,2	42,5	32,0	23,1	12,5	-	-	4,6	G2	15,4	
WINNER OY 4N10-13/2,2	2512101304	960,00	3	2,2	-	-	75,0	69,0	52,0	37,5	20,3	-	-	6,2	G2	19,3	
WINNER OY 4N10-17/3	2512101704	1.265,00	4	3	-	-	98,0	90,0	68,0	49,0	26,5	-	-	7,8	G2	21,9	
WINNER OY 4N10-23/4	2512102304	1.438,00	5,5	4	-	-	133,0	122,0	92,0	66,5	35,8	-	-	9,8	G2	27,0	
WINNER OY 4N10-32/5,5	2512103204	1.624,00	7,5	5,5	-	-	185,0	170,0	128,0	92,0	50,0	-	-	13,8	G2	35,6	
WINNER OY 4N10-44/7,5	2512104404	1.851,00	10	7,5	-	-	254,0	233,0	176,0	127	68,5	-	-	19,5	G2	49,7	
WINNER OY 4N15-4/1,1	2512150404	626,00	1,5	1,1	-	-	-	23,5	21,0	18,9	16,3	13,3	7,0	3,4	G2	12,5	
WINNER OY 4N15-6/1,5	2512150604	735,00	2	1,5	-	-	-	35,3	31,5	28,3	24,4	19,9	10,5	4,6	G2	15,4	
WINNER OY 4N15-8/2,2	2512150804	968,00	3	2,2	-	-	-	47,0	42,0	37,7	32,5	26,5	14,0	6,2	G2	18,0	
WINNER OY 4N15-11/3	2512151104	1.320,00	4	3	-	-	-	67,5	61,5	56,0	49,5	41,9	25,9	7,8	G2	21,0	
WINNER OY 4N15-14/4	2512151404	1.580,00	5,5	4	-	-	-	86,0	78,0	71,5	63,0	53,5	33,0	9,8	G2	25,8	
WINNER OY 4N15-20/5,5	2512152004	1.884,00	7,5	5,5	-	-	-	123,0	112,0	102,0	90,0	76,0	47,0	13,8	G2	34,1	
WINNER OY 4N15-27/7,5	2512152704	2.207,00	10	7,5	-	-	-	166,0	151,0	137,0	121,0	103,0	63,5	19,5	G2	50,0	

Borehole

# WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WYM - EBARA MOTORS

Borehole

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	10	15	25	30	35	55	75	95			
					m³/h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]																
WINNER WYM 4N1-12/0,37	2500100010A	577,00	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	3,3	G1¼	10,5
WINNER WYM 4N1-18/0,55	2500110010A	584,00	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	4,3	G1¼	12,9
WINNER WYM 4N1-24/0,75	2500120010A	633,00	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	5,7	G1¼	16,5
WINNER WYM 4N1-34/1,1	2500130010A	497,00	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	8,4	G1¼	19,2
WINNER WYM 4N1-48/1,5	2500140010A	647,00	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	10,7	G1¼	25,8
WINNER WYM 4N1-68/2,2	2500150010A	823,00	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	14,7	G1¼	31,4
WINNER WYM 4N2-7/0,37	2500200010A	554,00	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	3,3	G1¼	10,6
WINNER WYM 4N2-10/0,55	2500210010A	627,00	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	4,3	G1¼	12,2
WINNER WYM 4N2-14/0,75	2500220010A	739,00	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	5,7	G1¼	15
WINNER WYM 4N2-20/1,1	2500230010A	868,00	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	8,4	G1¼	16,5
WINNER WYM 4N2-28/1,5	2500240010A	1.142,00	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	10,7	G1¼	20,7
WINNER WYM 4N2-40/2,2	2500250010A	1.373,00	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	14,7	G1¼	26,4
WINNER WYM 4N4-4/0,37	2500400010A	544,00	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	3,3	G1¼	9,2
WINNER WYM 4N4-7/0,55	2500410010A	608,00	0,75	0,55		-	-	-	44,45	43,33	37,38	27,23	12,6	4,3	G1¼	11,1
WINNER WYM 4N4-9/0,75	2500420010A	675,00	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	5,7	G1¼	14
WINNER WYM 4N4-13/1,1	2500430010A	769,00	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	8,4	G1¼	15,5
WINNER WYM 4N4-18/1,5	2500440010A	960,00	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	10,7	G1¼	19,4
WINNER WYM 4N4-27/2,2	2500450010A	1.202,00	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	14,7	G1¼	23,7

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	KW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	50	70	100	160	200	240	280	350			
					m³/h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]																
WINNER WYM 4N7-4/0,55	2500700010A	642,00	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	4,3	G2	11,1
WINNER WYM 4N7-6/0,75	2500710010A	671,00	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	5,7	G2	14,1
WINNER WYM 4N7-8/1,1	2500720010A	718,00	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	8,4	G2	15,2
WINNER WYM 4N7-12/1,5	2500730010A	824,00	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	10,7	G2	19,5
WINNER WYM 4N7-17/2,2	2500740010A	1.145,00	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	14,7	G2	23,5
WINNER WYM 4N10-4/0,75	2502100410	584,00	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	5,7	G2	13,9
WINNER WYM 4N10-6/1,1	2502100610	702,00	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	8,4	G2	15,3
WINNER WYM 4N10-8/1,5	2502100810	839,00	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	10,7	G2	19
WINNER WYM 4N10-12/2,2	2502101310	1.287,00	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	14,7	G2	23,7
WINNER WYM 4N15-4/1,1	2502150410	683,00	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	8,4	G2	15
WINNER WYM 4N15-6/1,5	2502150610	828,00	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	10,7	G2	19
WINNER WYM 4N15-9/2,2	2502150810	1.103,00	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	14,7	G2	22,4



# WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WY - EBARA MOTORS

Three phase 400V															2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]	
					I/min	10	15	25	30	35	55	75	95				
					m <sup>3</sup> /h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7				
					H=Total head [m]												
WINNER WY 4N1-12/0,37	2500100014A	520,00	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	1,14	G1¼	9,5	
WINNER WY 4N1-18/0,55	2500110014A	552,00	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	1,7	G1¼	12,9	
WINNER WY 4N1-24/0,75	2500120014A	597,00	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	2,1	G1¼	16,5	
WINNER WY 4N1-34/1,1	2500130014A	462,00	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	2,9	G1¼	19,2	
WINNER WY 4N1-48/1,5	2500140014A	612,00	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	4	G1¼	25,8	
WINNER WY 4N1-68/2,2	2500150014A	793,00	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	5,8	G1¼	31,4	
WINNER WY 4N2-7/0,37	2500200014A	533,00	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	1,14	G1¼	9,6	
WINNER WY 4N2-10/0,55	2500210014A	596,00	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	1,7	G1¼	12,2	
WINNER WY 4N2-14/0,75	2500220014A	705,00	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	2,1	G1¼	15	
WINNER WY 4N2-20/1,1	2500230014A	735,00	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	2,9	G1¼	16,5	
WINNER WY 4N2-28/1,5	2500240014A	1.081,00	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	4	G1¼	20,7	
WINNER WY 4N2-40/2,2	2500250014A	1.288,00	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	5,8	G1¼	26,4	
WINNER WY 4N2-56/3,0	2500260014A	1.472,00	4	3		-	367,0	338,0	317,0	289,0	106,0	-	-	7,9	G1¼	31,3	
WINNER WY 4N4-4/0,37	2500400014A	525,00	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	1,14	G1¼	8,2	
WINNER WY 4N4-7/0,55	2500410014A	577,00	0,75	0,55		-	-	-	44,45	43,33	37,38	27,23	12,6	1,7	G1¼	11,1	
WINNER WY 4N4-9/0,75	2500420014A	627,00	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	2,1	G1¼	14	
WINNER WY 4N4-13/1,1	2500430014A	737,00	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	2,9	G1¼	15,5	
WINNER WY 4N4-18/1,5	2500440014A	900,00	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	4	G1¼	19,4	
WINNER WY 4N4-27/2,2	2500450014A	1.115,00	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	5,8	G1¼	23,7	
WINNER WY 4N4-36/3,0	2500460014A	1.473,00	4	3		-	-	-	229,0	223,0	192,0	140,0	65,0	7,9	G1¼	29,3	
WINNER WY 4N4-48/4,0	2500470014A	1.609,00	5,5	4		-	-	-	305,0	297,0	256,0	187,0	86,5	10,4	G1¼	37,4	

Three phase 400V															2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]	
					I/min	50	70	100	160	200	240	280	350				
					m <sup>3</sup> /h	3	4,2	6	9,6	12	14,4	16,8	21				
					H=Total head [m]												
WINNER WY 4N7-4/0,55	2500700014A	610,00	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	1,7	G2	11,1	
WINNER WY 4N7-6/0,75	2500710014A	633,00	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	2,1	G2	14,1	
WINNER WY 4N7-8/1,1	2500720014A	688,00	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	2,9	G2	15,2	
WINNER WY 4N7-12/1,5	2500730014A	765,00	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	4	G2	19,5	
WINNER WY 4N7-17/2,2	2500740014A	1.048,00	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	5,8	G2	23,5	
WINNER WY 4N7-23/3,0	2500750014A	1.073,00	4	3		128,0	120,0	104,0	43,5	-	-	-	-	7,9	G2	27,3	
WINNER WY 4N7-30/4,0	2500760014A	1.609,00	5,5	4		166,0	156,0	136,0	56,5	-	-	-	-	10,4	G2	36,2	
WINNER WY 4N7-42/5,5	2500770014A	1.705,00	7,5	5,5		233,0	219,0	190,0	79,0	-	-	-	-	12,8	G2	45,9	
WINNER WY 4N10-4/0,75	2502100414	568,00	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	2,1	G2	4,3	
WINNER WY 4N10-6/1,1	2502100614	670,00	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	2,9	G2	5,6	
WINNER WY 4N10-8/1,5	2502100814	780,00	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	4	G2	7	
WINNER WY 4N10-13/2,2	2502101314	1.008,00	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	5,8	G2	10,3	
WINNER WY 4N10-17/3	2502101714	1.328,00	4	3		-	98,0	90,0	68,0	49,0	26,5	-	-	7,9	G2	13,1	
WINNER WY 4N10-23/4	2502102314	1.509,00	5,5	4		-	133,0	122,0	92,0	66,5	35,8	-	-	10,4	G2	17,2	
WINNER WY 4N10-32/5,5	2502103214	1.705,00	7,5	5,5		-	185,0	170,0	128,0	92,0	50,0	-	-	12,8	G2	24,5	
WINNER WY 4N10-44/7,5	2502104414	1.943,00	10	7,5		-	254,0	233,0	176,0	127	68,5	-	-	17,6	G2	56,5	
WINNER WY 4N15-4/1,1	2502150414	657,00	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	2,9	G2	5,3	
WINNER WY 4N15-6/1,5	2502150614	771,00	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	4	G2	7	
WINNER WY 4N15-8/2,2	2502150814	1.017,00	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	5,8	G2	9	
WINNER WY 4N15-11/3	2502151114	1.458,00	4	3		-	-	67,5	61,5	56,0	49,5	41,9	25,9	7,9	G2	12,2	
WINNER WY 4N15-14/4	2502151414	1.658,00	5,5	4		-	-	86,0	78,0	71,5	63,0	53,5	33,0	10,4	G2	16	
WINNER WY 4N15-20/5,5	2502152014	1.979,00	7,5	5,5		-	-	123,0	112,0	102,0	90,0	76,0	47,0	12,8	G2	23	
WINNER WY 4N15-27/7,5	2502152714	2.317,00	10	7,5		-	-	166,0	151,0	137,0	121,0	103,0	63,5	17,6	G2	56,8	

# WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WYM - FRANKLIN MOTORS

Borehole

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	10	15	25	30	35	55	75	95			
					m³/h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]																
WINNER WYM 4N1-12/0,37	2500100000A	577,00	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	3,3	G1¼	11,7
WINNER WYM 4N1-18/0,55	2500110000A	584,00	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	4,3	G1¼	14
WINNER WYM 4N1-24/0,75	2500120000A	633,00	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	5,7	G1¼	16,3
WINNER WYM 4N1-34/1,1	2500130000A	497,00	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	8,4	G1¼	19,8
WINNER WYM 4N1-48/1,5	2500140000A	647,00	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	10,7	G1¼	24,7
WINNER WYM 4N1-68/2,2	2500150000A	823,00	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	14,7	G1¼	32,3
WINNER WYM 4N2-7/0,37	2500200000A	554,00	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	3,3	G1¼	12,8
WINNER WYM 4N2-10/0,55	2500210000A	627,00	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	4,3	G1¼	14,1
WINNER WYM 4N2-14/0,75	2500220000A	739,00	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	5,7	G1¼	14,8
WINNER WYM 4N2-20/1,1	2500230000A	868,00	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	8,4	G1¼	17,1
WINNER WYM 4N2-28/1,5	2500240000A	1.142,00	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	10,7	G1¼	19,6
WINNER WYM 4N2-40/2,2	2500250000A	1.373,00	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	14,7	G1¼	27,3
WINNER WYM 4N4-4/0,37	2500400000A	544,00	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	3,3	G1¼	10,4
WINNER WYM 4N4-7/0,55	2500410000A	608,00	0,75	0,55		-	-	-	44,45	43,33	37,38	27,23	12,6	4,3	G1¼	12,2
WINNER WYM 4N4-9/0,75	2500420000A	675,00	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	5,7	G1¼	13,8
WINNER WYM 4N4-13/1,1	2500430000A	769,00	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	8,4	G1¼	16,1
WINNER WYM 4N4-18/1,5	2500440000A	960,00	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	10,7	G1¼	18,3
WINNER WYM 4N4-27/2,2	2500450000A	1.202,00	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	14,7	G1¼	24,6

Single phase 230V													2 Poles			
Model	Code	£ Stg	HP	KW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	50	70	100	160	200	240	280	350			
					m³/h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]																
WINNER WYM 4N7-4/0,55	2500700000A	642,00	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	4,3	G2	12,2
WINNER WYM 4N7-6/0,75	2500710000A	671,00	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	5,7	G2	13,9
WINNER WYM 4N7-8/1,1	2500720000A	718,00	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	8,4	G2	15,8
WINNER WYM 4N7-12/1,5	2500730000A	824,00	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	10,7	G2	18,4
WINNER WYM 4N7-17/2,2	2500740000A	1.145,00	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	14,7	G2	24,4
WINNER WYM 4N10-4/0,75	2502100400	584,00	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	5,7	G2	13,7
WINNER WYM 4N10-6/1,1	2502100600	702,00	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	8,4	G2	15,9
WINNER WYM 4N10-8/1,5	2502100800	839,00	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	10,7	G2	17,9
WINNER WYM 4N10-12/2,2	2502101300	1.287,00	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	14,7	G2	24,6
WINNER WYM 4N15-4/1,1	2502150400	683,00	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	8,4	G2	15,6
WINNER WYM 4N15-6/1,5	2502150600	828,00	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	10,7	G2	17,9
WINNER WYM 4N15-9/2,2	2502150800	1.103,00	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	14,7	G2	23,3





# WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WY - FRANKLIN MOTORS

Three phase 400V												2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]
					I/min	10	15	25	30	35	55	75	95			
					m <sup>3</sup> /h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]																
WINNER WY 4N1-12/0,37	2500100004A	520,00	0,5	0,37	-	63,5	59,5	45,5	36,0	25,2	-	-	-	1,14	G1¼	10,9
WINNER WY 4N1-18/0,55	2500110004A	552,00	0,75	0,55	-	95,5	89,5	68,5	54,0	37,8	-	-	-	1,7	G1¼	12,5
WINNER WY 4N1-24/0,75	2500120004A	597,00	1	0,75	-	127,0	119,0	91,0	72,0	50,5	-	-	-	2,1	G1¼	14,6
WINNER WY 4N1-34/1,1	2500130004A	462,00	1,5	1,1	-	180,0	169,0	129,0	102,0	71,5	-	-	-	2,9	G1¼	18,2
WINNER WY 4N1-48/1,5	2500140004A	612,00	2	1,5	-	254,0	238,0	182,0	144,0	101,0	-	-	-	4	G1¼	23
WINNER WY 4N1-68/2,2	2500150004A	793,00	3	2,2	-	360,0	337,0	258,0	204,0	142,0	-	-	-	5,8	G1¼	27,6
WINNER WY 4N2-7/0,37	2500200004A	533,00	0,5	0,37	-	-	46,0	42,5	39,6	36,1	13,3	-	-	1,14	G1¼	12,2
WINNER WY 4N2-10/0,55	2500210004A	596,00	0,75	0,55	-	-	65,5	60,5	56,5	51,5	19,0	-	-	1,7	G1¼	13
WINNER WY 4N2-14/0,75	2500220004A	705,00	1	0,75	-	-	91,5	84,5	79,0	72,0	26,6	-	-	2,1	G1¼	13,1
WINNER WY 4N2-20/1,1	2500230004A	735,00	1,5	1,1	-	-	131,0	121,0	113,0	103,0	38,0	-	-	2,9	G1¼	15,5
WINNER WY 4N2-28/1,5	2500240004A	1.081,00	2	1,5	-	-	183,0	169,0	158,0	144,0	53,0	-	-	4	G1¼	17,9
WINNER WY 4N2-40/2,2	2500250004A	1.288,00	3	2,2	-	-	262,0	242,0	226,0	206,0	76,0	-	-	5,8	G1¼	22,6
WINNER WY 4N2-56/3,0	2500260004A	1.472,00	4	3	-	-	367,0	338,0	317,0	289,0	106,0	-	-	7,9	G1¼	28
WINNER WY 4N4-4/0,37	2500400004A	525,00	0,5	0,37	-	-	-	-	25,4	24,8	21,4	15,5	7,2	1,14	G1¼	9,6
WINNER WY 4N4-7/0,55	2500410004A	577,00	0,75	0,55	-	-	-	-	44,45	43,33	37,38	27,23	12,6	1,7	G1¼	10,7
WINNER WY 4N4-9/0,75	2500420004A	627,00	1	0,75	-	-	-	-	57,0	55,5	48,0	35,0	16,2	2,1	G1¼	12,1
WINNER WY 4N4-13/1,1	2500430004A	737,00	1,5	1,1	-	-	-	-	82,5	80,5	69,5	50,5	23,4	2,9	G1¼	14,5
WINNER WY 4N4-18/1,5	2500440004A	900,00	2	1,5	-	-	-	-	114,0	111,0	96,0	70,0	32,4	4	G1¼	16,6
WINNER WY 4N4-27/2,2	2500450004A	1.115,00	3	2,2	-	-	-	-	171,0	167,0	144,0	105,0	48,5	5,8	G1¼	19,9
WINNER WY 4N4-36/3,0	2500460004A	1.473,00	4	3	-	-	-	-	229,0	223,0	192,0	140,0	65,0	7,9	G1¼	26
WINNER WY 4N4-48/4,0	2500470004A	1.609,00	5,5	4	-	-	-	-	305,0	297,0	256,0	187,0	86,5	10,4	G1¼	34

Three phase 400V												2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]
					I/min	50	70	100	160	200	240	280	350			
					m <sup>3</sup> /h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]																
WINNER WY 4N7-4/0,55	2500700004A	610,00	0,75	0,55	-	22,2	20,8	18,1	7,5	-	-	-	-	1,7	G2	10,7
WINNER WY 4N7-6/0,75	2500710004A	633,00	1	0,75	-	33,3	31,2	27,1	11,3	-	-	-	-	2,1	G2	12,2
WINNER WY 4N7-8/1,1	2500720004A	688,00	1,5	1,1	-	44,5	41,5	36,2	15,0	-	-	-	-	2,9	G2	14,2
WINNER WY 4N7-12/1,5	2500730004A	765,00	2	1,5	-	66,5	62,5	54,5	22,6	-	-	-	-	4	G2	16,7
WINNER WY 4N7-17/2,2	2500740004A	1.048,00	3	2,2	-	94,5	88,5	77,0	32,0	-	-	-	-	5,8	G2	19,7
WINNER WY 4N7-23/3,0	2500750004A	1.073,00	4	3	-	128,0	120,0	104,0	43,5	-	-	-	-	7,9	G2	24,0
WINNER WY 4N7-30/4,0	2500760004A	1.609,00	5,5	4	-	166,0	156,0	136,0	56,5	-	-	-	-	10,4	G2	32,8
WINNER WY 4N7-42/5,5	2500770004A	1.705,00	7,5	5,5	-	233,0	219,0	190,0	79,0	-	-	-	-	12,8	G2	43,1
WINNER WY 4N10-4/0,75	2502100404	568,00	1	0,75	-	-	23,1	21,2	16,0	11,5	6,2	-	-	2,1	G2	12,0
WINNER WY 4N10-6/1,1	2502100604	670,00	1,5	1,1	-	-	34,6	31,8	24,0	17,3	9,4	-	-	2,9	G2	14,3
WINNER WY 4N10-8/1,5	2502100804	780,00	2	1,5	-	-	46,2	42,5	32,0	23,1	12,5	-	-	4	G2	16,2
WINNER WY 4N10-13/2,2	2502101304	1.008,00	3	2,2	-	-	75,0	69,0	52,0	37,5	20,3	-	-	5,8	G2	19,9
WINNER WY 4N10-17/3	2502101704	1.328,00	4	3	-	-	98,0	90,0	68,0	49,0	26,5	-	-	7,9	G2	24,1
WINNER WY 4N10-23/4	2502102304	1.509,00	5,5	4	-	-	133,0	122,0	92,0	66,5	35,8	-	-	10,4	G2	31,7
WINNER WY 4N10-32/5,5	2502103204	1.705,00	7,5	5,5	-	-	185,0	170,0	128,0	92,0	50,0	-	-	12,8	G2	43,6
WINNER WY 4N10-44/7,5	2502104404	1.943,00	10	7,5	-	-	254,0	233,0	176,0	127	68,5	-	-	17,6	G2	53,3
WINNER WY 4N15-4/1,1	2502150404	657,00	1,5	1,1	-	-	-	23,5	21,0	18,9	16,3	13,3	7,0	2,9	G2	14,0
WINNER WY 4N15-6/1,5	2502150604	771,00	2	1,5	-	-	-	35,3	31,5	28,3	24,4	19,9	10,5	4	G2	16,2
WINNER WY 4N15-8/2,2	2502150804	1.017,00	3	2,2	-	-	-	47,0	42,0	37,7	32,5	26,5	14,0	5,8	G2	18,6
WINNER WY 4N15-11/3	2502151104	1.458,00	4	3	-	-	-	67,5	61,5	56,0	49,5	41,9	25,9	7,9	G2	23,2
WINNER WY 4N15-14/4	2502151404	1.658,00	5,5	4	-	-	-	86,0	78,0	71,5	63,0	53,5	33,0	10,4	G2	30,5
WINNER WY 4N15-20/5,5	2502152004	1.979,00	7,5	5,5	-	-	-	123,0	112,0	102,0	90,0	76,0	47,0	12,8	G2	42,1
WINNER WY 4N15-27/7,5	2502152704	2.317,00	10	7,5	-	-	-	166,0	151,0	137,0	121,0	103,0	63,5	17,6	G2	53,6

Borehole

# 4WN



## 4" borehole centrifugal pumps

4" borehole centrifugal pumps with stainless steel external casing and floating impellers in Noryl to ensure a reliable resistance to scraping. Suitable for fountains, boosters, firefighting, irrigations and industrial use. Available with oil filled motor. NEMA standards motor connections.



Low noise



Practical and easy to use



Suitable for horizontal operation

## Technical data

Max. immersion 150 m

Max. temperature of the liquid 35°C  
(Depends on max. motor temperature)

Max. sand content 50 g/m<sup>3</sup>

Poles 2

Insulation class F

Protection degree IP 68 (water filled motor)  
IP 58 (oil filled motor)

Voltage Single phase 230V +6-10% OYM  
Three phase 400V +6-10% OY  
Single phase 230V ±6% WYM  
Three phase 400V ±6% WY

## Materials

External casing	AISI 304
Impeller	PPO reinforced with fibreglass
Shaft	AISI 304
Discharge casing	AISI 304
Motor connection	AISI 304

## Accessories



### Cables

Page 379 - **Quadripolar cables**



### Capacitors

Page 377 - **Capacitors 450V**



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - Smart



### Floats

Page 377 - **5/10 m key floats with counterweight**



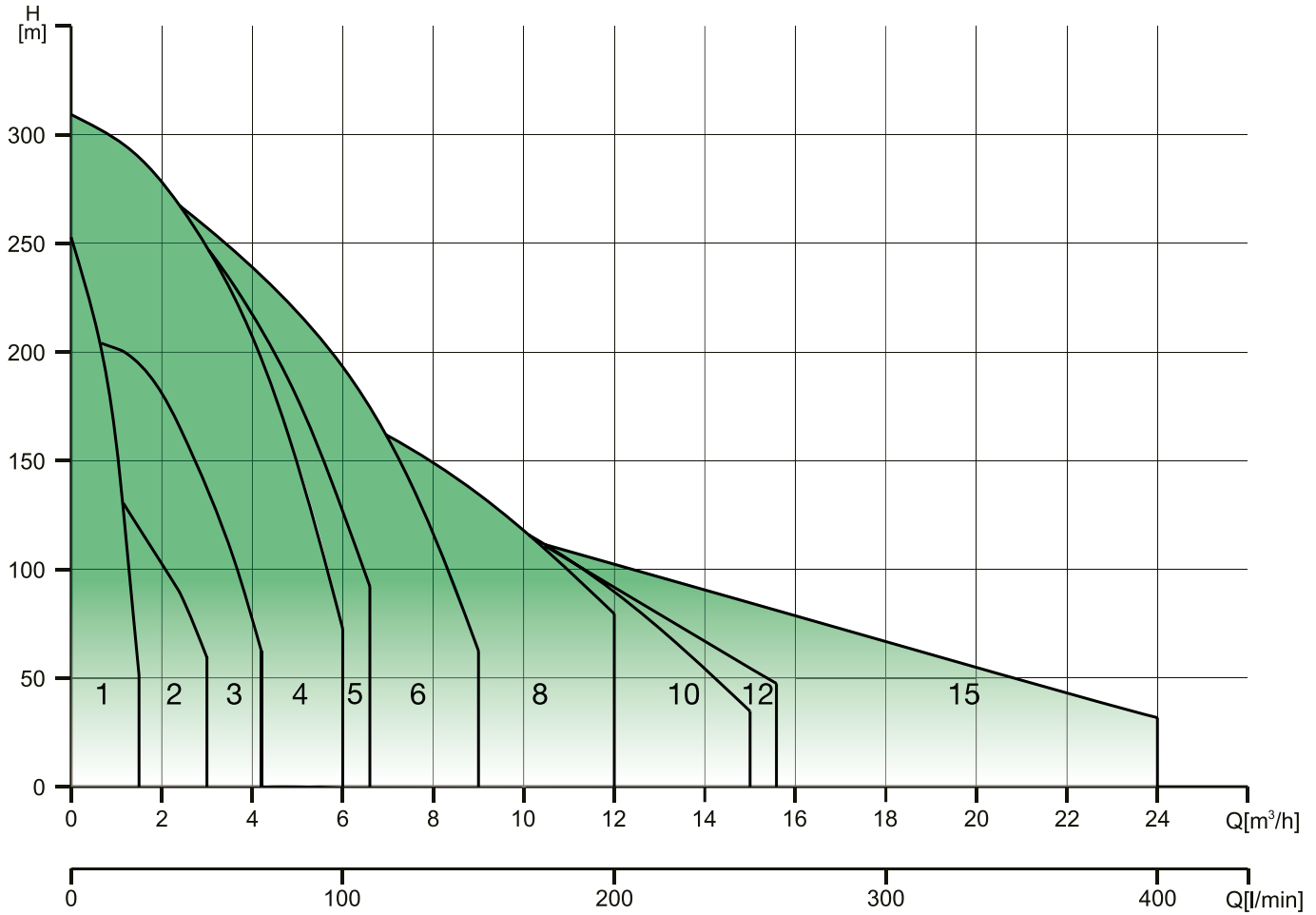
### Cooling sleeve

Page 380 - **Cooling sleeve for 4" borehole pumps**

# 4WN



## 4" borehole centrifugal pumps



Borehole

# 4WN



## 4" borehole centrifugal pumps

**Selection table**

Model	HP	kW	Q=Flow rate															
			l/min	5	10	15	20	25	30	35	40	45	50	60	70	80	90	100
			m <sup>3</sup> /h	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3,0	3,6	4,2	4,8	5,4	6,0
			H=Total head [m]															
4WN1-10	0,5	0,37		63	55	46	33	18	-	-	-	-	-	-	-	-	-	-
4WN1-13	0,5	0,37		78	70	56	42	23	-	-	-	-	-	-	-	-	-	-
4WN1-19	0,75	0,55		118	105	86	60	30	-	-	-	-	-	-	-	-	-	-
4WN1-26	1	0,75		160	141	117	81	39	-	-	-	-	-	-	-	-	-	-
4WN1-38	1,5	1,1		234	208	169	117	52	-	-	-	-	-	-	-	-	-	-
4WN2-5	0,5	0,37		-	-	32	31	29	27	25	23	19	16	-	-	-	-	-
4WN2-7	0,5	0,37		-	-	43	42	39	36	33	29	26	22	-	-	-	-	-
4WN2-10	0,75	0,55		-	-	64	61	58	54	49	43	36	28	-	-	-	-	-
4WN2-14	1	0,75		-	-	86	83	79	74	67	60	52	42	-	-	-	-	-
4WN2-20	1,5	1,1		-	-	131	127	120	111	101	90	75	60	-	-	-	-	-
4WN3-5	0,5	0,37		-	-	-	32	31	30	29	27	25	23	18	11	-	-	-
4WN3-8	0,75	0,55		-	-	-	51	50	49	46	43	41	38	30	19	-	-	-
4WN3-11	1	0,75		-	-	-	68	66	64	61	58	54	49	38	26	-	-	-
4WN3-16	1,5	1,1		-	-	-	101	98	95	89	83	77	70	54	33	-	-	-
4WN3-21	2	1,5		-	-	-	135	132	127	122	115	108	100	79	49	-	-	-
4WN3-32	3	2,2		-	-	-	200	194	187	177	165	152	138	104	62	-	-	-
4WN4-5	0,5	0,37		-	-	-	-	29	28	27	26	25	24	21	18	13	8	3
4WN4-7	0,75	0,55		-	-	-	-	43	42	41	39	38	36	33	28	22	15	7
4WN4-9	1	0,75		-	-	-	-	55	54	52	51	49	47	43	37	28	20	10
4WN4-14	1,5	1,1		-	-	-	-	87	86	83	81	79	76	68	58	47	33	20
4WN4-18	2	1,5		-	-	-	-	113	111	108	105	102	98	88	75	60	42	25
4WN4-27	3	2,2		-	-	-	-	164	161	157	152	147	141	127	109	87	61	35
4WN4-35	4	3		-	-	-	-	212	208	203	197	191	184	166	145	119	85	46
4WN4-44	5	3,7		-	-	-	-	261	255	249	241	233	223	201	173	140	99	52
4WN4-48	5,5	4		-	-	-	-	289	283	276	267	258	248	225	197	162	120	73
4WN5-4	0,5	0,37		-	-	-	-	-	-	23	22	22	21	19	17	14	11	7
4WN5-6	0,75	0,55		-	-	-	-	-	-	36	35	33	32	30	26	22	18	12
4WN5-8	1	0,75		-	-	-	-	-	-	47	46	44	43	39	35	30	24	18
4WN5-12	1,5	1,1		-	-	-	-	-	-	72	71	69	68	63	57	49	41	31
4WN5-16	2	1,5		-	-	-	-	-	-	98	96	94	92	86	77	68	57	46
4WN5-24	3	2,2		-	-	-	-	-	-	142	139	136	132	122	111	97	80	62
4WN5-32	4	3		-	-	-	-	-	-	188	185	180	175	162	146	127	105	80
4WN5-40	5	3,7		-	-	-	-	-	-	232	227	222	216	202	182	159	131	102
4WN5-44	5,5	4		-	-	-	-	-	-	265	260	254	247	230	210	187	159	127

# 4WN



## 4" borehole centrifugal pumps

Selection table																								
Model	HP	kW	Q=Flow rate																					
			l/min	50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
			m³/h	3,0	3,6	4,2	4,8	5,4	6,0	7,2	8,4	9,6	10,8	12,0	13,2	14,4	15,6	16,8	18,0	19,2	20,4	21,6	22,8	24,0
H=Total head [m]																								
4WN6-7 *	1	0,75		36	34	32	30	28	25	19	11	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-10 *	1,5	1,1		53	51	48	45	41	38	29	18	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-14 *	2	1,5		77	74	71	68	63	59	46	28	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-20 *	3	2,2		107	102	97	92	86	80	62	40	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-27 *	4	3		145	139	131	123	115	107	84	55	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-34 *	5	3,7		178	170	162	153	143	132	103	66	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-36 *	5,5	4		190	181	173	164	154	143	112	72	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-49 *	7,5	5,5		257	246	234	222	209	193	151	96	-	-	-	-	-	-	-	-	-	-	-	-	
4WN8-4 *	1	0,75		-	-	-	23	22	21	20	18	16	12	9	-	-	-	-	-	-	-	-	-	
4WN8-6 *	1,5	1,1		-	-	-	35	34	33	31	28	24	19	14	-	-	-	-	-	-	-	-	-	
4WN8-8 *	2	1,5		-	-	-	47	45	44	41	37	31	25	18	-	-	-	-	-	-	-	-	-	
4WN8-13 *	3	2,2		-	-	-	75	73	71	66	59	50	40	30	-	-	-	-	-	-	-	-	-	
4WN8-17 *	4	3		-	-	-	98	96	94	87	79	70	58	46	-	-	-	-	-	-	-	-	-	
4WN8-21 *	5	3,7		-	-	-	117	114	111	103	93	82	68	52	-	-	-	-	-	-	-	-	-	
4WN8-23 *	5,5	4		-	-	-	134	131	127	118	108	95	79	60	-	-	-	-	-	-	-	-	-	
4WN8-32 *	7,5	5,5		-	-	-	182	178	172	160	143	125	105	80	-	-	-	-	-	-	-	-	-	
4WN10-7 *	1,5	1,1		-	-	-	35	34	33	32	29	26	23	18	14	8	-	-	-	-	-	-	-	
4WN10-10 *	2	1,5		-	-	-	49	48	47	44	41	37	32	27	20	13	-	-	-	-	-	-	-	
4WN10-14 *	3	2,2		-	-	-	71	69	67	63	58	54	48	40	31	20	-	-	-	-	-	-	-	
4WN10-18 *	4	3		-	-	-	92	90	87	83	77	70	62	52	39	26	-	-	-	-	-	-	-	
4WN10-22 *	5	3,7		-	-	-	110	107	104	98	91	82	71	58	45	30	-	-	-	-	-	-	-	
4WN10-24 *	5,5	4		-	-	-	118	116	113	106	97	88	77	63	49	33	-	-	-	-	-	-	-	
4WN10-32 *	7,5	5,5		-	-	-	162	157	153	144	134	122	107	90	70	47	-	-	-	-	-	-	-	
4WN12-7 *	2	1,5		-	-	-	-	-	37	36	33	31	28	25	22	18	14	-	-	-	-	-	-	
4WN12-10 *	3	2,2		-	-	-	-	-	54	52	48	44	41	36	32	26	20	-	-	-	-	-	-	
4WN12-14 *	4	3		-	-	-	-	-	76	72	67	62	56	49	43	35	28	-	-	-	-	-	-	
4WN12-17 *	5	3,7		-	-	-	-	-	90	86	80	74	67	59	51	42	32	-	-	-	-	-	-	
4WN12-19 *	5,5	4		-	-	-	-	-	102	97	91	89	76	68	58	48	37	-	-	-	-	-	-	
4WN12-26 *	7,5	5,5		-	-	-	-	-	136	129	120	111	100	87	75	61	48	-	-	-	-	-	-	
4WN12-38 *	1	7,5		-	-	-	-	-	202	192	182	168	150	133	115	95	70	-	-	-	-	-	-	
4WN15-8 *	3	2,2		-	-	-	-	-	-	-	39	38	36	34	32	30	28	25	23	20	18	15	12	9
4WN15-11 *	4	3		-	-	-	-	-	-	-	55	53	50	48	45	42	39	36	33	30	27	23	20	16
4WN15-13 *	5	3,7		-	-	-	-	-	-	-	65	62	59	56	53	50	47	43	40	36	32	28	24	20
4WN15-15 *	5,5	4		-	-	-	-	-	-	-	76	73	70	66	62	59	55	51	47	43	39	34	29	25
4WN15-20 *	7,5	5,5		-	-	-	-	-	-	-	99	95	90	86	81	76	72	67	61	56	50	44	38	32
4WN15-26 *	1	7,5		-	-	-	-	-	-	-	128	122	115	111	105	100	95	90	85	80	72	67	56	49

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

# 4WN - only hydraulic

4" borehole centrifugal pumps (hydraulic only)



Only hydraulic							2 Poles			
Model	Code	£ Stg	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
							Oil filled OY		Water filled WY	
							1~	3~	1~	3~
4WN1-10	2557010010A	<b>204,00</b>	0,5	0,37	G1¼	3,3	1509050000	1509030004	1505050000	1505050004
4WN1-13	2557010013A	<b>229,00</b>	0,5	0,37	G1¼	3,7	1509050000	1509030004	1505050000	1505050004
4WN1-19	2557010019A	<b>282,00</b>	0,75	0,55	G1¼	4,7	1509070000	1509070004	1505090000	1505090004
4WN1-26	2557010026A	<b>387,00</b>	1	0,75	G1¼	5,8	1509100000	1509100004	1505100000	1505100004
4WN1-38	2557010038A	<b>557,00</b>	1,5	1,1	G1¼	8,2	1509110000	1509150004	1505150000	1505150004
4WN2-5	2557020005A	<b>151,00</b>	0,5	0,37	G1¼	2,5	1509050000	1509030004	1505050000	1505050004
4WN2-7	2557020007A	<b>170,00</b>	0,5	0,37	G1¼	2,8	1509050000	1509030004	1505050000	1505050004
4WN2-10	2557020010A	<b>204,00</b>	0,75	0,55	G1¼	3,3	1509070000	1509070004	1505090000	1505090004
4WN2-14	2557020014A	<b>236,00</b>	1	0,75	G1¼	3,9	1509100000	1509100004	1505100000	1505100004
4WN2-20	2557020020A	<b>296,00</b>	1,5	1,1	G1¼	4,9	1509110000	1509150004	1505150000	1505150004
4WN3-5	2557030005A	<b>151,00</b>	0,5	0,37	G1¼	2,5	1509050000	1509030004	1505050000	1505050004
4WN3-8	2557030008A	<b>183,00</b>	0,75	0,55	G1¼	2,9	1509070000	1509070004	1505090000	1505090004
4WN3-11	2557030011A	<b>210,00</b>	1	0,75	G1¼	3,4	1509100000	1509100004	1505100000	1505100004
4WN3-16	2557030016A	<b>256,00</b>	1,5	1,1	G1¼	4,2	1509110000	1509150004	1505150000	1505150004
4WN3-21	2557030021A	<b>302,00</b>	2	1,5	G1¼	5,0	1509150000	1509200004	1505200000	1505200004
4WN3-32	2557030032A	<b>407,00</b>	3	2,2	G1¼	7,1	1509220000	1509300004	1505300000	1505300004
4WN4-5	2557040005A	<b>157,00</b>	0,5	0,37	G1¼	2,7	1509050000	1509030004	1505050000	1505050004
4WN4-7	2557040007A	<b>183,00</b>	0,75	0,55	G1¼	3,0	1509070000	1509070004	1505090000	1505090004
4WN4-9	2557040009A	<b>204,00</b>	1	0,75	G1¼	3,3	1509100000	1509100004	1505100000	1505100004
4WN4-14	2557040014A	<b>256,00</b>	1,5	1,1	G1¼	4,1	1509110000	1509150004	1505150000	1505150004
4WN4-18	2557040018A	<b>302,00</b>	2	1,5	G1¼	4,7	1509150000	1509200004	1505200000	1505200004
4WN4-27	2557040027A	<b>393,00</b>	3	2,2	G1¼	6,2	1509220000	1509300004	1505300000	1505300004
4WN4-35	2557040035A	<b>525,00</b>	4	3	G1¼	7,9	-	1509400004	-	1505400004
4WN4-44	2557040044A	<b>623,00</b>	5	3,7	G1¼	9,3	-	1509550004	-	1505550004
4WN4-48	2557040048A	<b>662,00</b>	5,5	4	G1¼	9,9	-	1509550004	-	1505550004
4WN5-4	2557050004A	<b>151,00</b>	0,5	0,37	G1¼	2,4	1509050000	1509030004	1505050000	1505050004
4WN5-6	2557050006A	<b>177,00</b>	0,75	0,55	G1¼	2,9	1509070000	1509070004	1505090000	1505090004
4WN5-8	2557050008A	<b>197,00</b>	1	0,75	G1¼	3,3	1509100000	1509100004	1505100000	1505100004
4WN5-12	2557050012A	<b>242,00</b>	1,5	1,1	G1¼	4,1	1509110000	1509150004	1505150000	1505150004
4WN5-16	2557050016A	<b>288,00</b>	2	1,5	G1¼	5,0	1509150000	1509200004	1505200000	1505200004
4WN5-24	2557050024A	<b>380,00</b>	3	2,2	G1¼	6,6	1509220000	1509300004	1505300000	1505300004
4WN5-32	2557050032A	<b>512,00</b>	4	3	G1¼	8,7	-	1509400004	-	1505400004
4WN5-40	2557050040A	<b>610,00</b>	5	3,7	G1¼	10,4	-	1509550004	-	1505550004
4WN5-44	2557050044A	<b>656,00</b>	5,5	4	G1¼	11,2	-	1509550004	-	1505550004

See motors on page 211

OY: oil filled motor - WY: water filled motor



# 4WN - only hydraulic



4" borehole centrifugal pumps (hydraulic only)

Only hydraulic										2 Poles
Model	Code	£ Stg	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
							Oil filled OY		Water filled WY	
							1~	3~	1~	3~
4WN6-7 *	2557070007	<b>216,00</b>	1.00	0.75	G2	3,7	1509100000	1509100004	1505100000	1505100004
4WN6-10 *	2557070010	<b>262,00</b>	1.50	1.10	G2	4,6	1509110000	1509150004	1505150000	1505150004
4WN6-14 *	2557070014	<b>309,00</b>	2.00	1.50	G2	5,7	1509150000	1509200004	1505200000	1505200004
4WN6-20 *	2557070020	<b>400,00</b>	3.00	2.20	G2	7,5	1509220000	1509300004	1505300000	1505300004
4WN6-27 *	2557070027	<b>505,00</b>	4.00	3.00	G2	9,6	-	1509400004	-	1505400004
4WN6-34 *	2557060034	<b>662,00</b>	5.00	3.70	G2	11,6	-	1509550004	-	1505550004
4WN6-36 *	2557070036	<b>684,00</b>	5.50	4.00	G2	12,2	-	1509550004	-	1505550004
4WN6-49 *	2557070049	<b>905,00</b>	7.50	5.50	G2	15,9	-	1509750004	-	1505750004
4WN8-4 *	2557130004	<b>183,00</b>	1.00	0.75	G2	2,8	1509100000	1509100004	1505100000	1505100004
4WN8-6 *	2557130006	<b>210,00</b>	1.50	1.10	G2	3,4	1509110000	1509150004	1505150000	1505150004
4WN8-8 *	2557130008	<b>236,00</b>	2.00	1.50	G2	4,0	1509150000	1509200004	1505200000	1505200004
4WN8-13 *	2557130013	<b>262,00</b>	3.00	2.20	G2	5,5	1509220000	1509300004	1505300000	1505300004
4WN8-17 *	2557130017	<b>367,00</b>	4.00	3.00	G2	6,6	-	1509400004	-	1505400004
4WN8-21 *	2557130021	<b>433,00</b>	5.00	3.70	G2	7,8	-	1509550004	-	1505550004
4WN8-23 *	2557130023	<b>466,00</b>	5.50	4.00	G2	8,4	-	1509550004	-	1505550004
4WN8-32 *	2557130032	<b>603,00</b>	7.50	5.50	G2	11,0	-	1509750004	-	1505750004
4WN10-7 *	2557100007	<b>302,00</b>	1.50	1.10	G2	5,3	1509110000	1509150004	1505150000	1505150004
4WN10-10 *	2557100010	<b>374,00</b>	2.00	1.50	G2	6,7	1509150000	1509200004	1505200000	1505200004
4WN10-14 *	2557100014	<b>479,00</b>	3.00	2.20	G2	8,5	1509220000	1509300004	1505300000	1505300004
4WN10-18 *	2557100018	<b>603,00</b>	4.00	3.00	G2	10,4	-	1509400004	-	1505400004
4WN10-22 *	2557100022	<b>721,00</b>	5.00	3.70	G2	12,3	-	1509550004	-	1505550004
4WN10-24 *	2557100024	<b>773,00</b>	5.50	4.00	G2	13,2	-	1509550004	-	1505550004
4WN10-32 *	2557100032	<b>1.023,00</b>	7.50	5.50	G2	17,0	-	1509750004	-	1505750004
4WN12-7 *	2557120007	<b>302,00</b>	2.00	1.50	G2	5,3	1509150000	1509200004	1505200000	1505200004
4WN12-10 *	2557120010	<b>374,00</b>	3.00	2.20	G2	6,7	1509220000	1509300004	1505300000	1505300004
4WN12-14 *	2557120014	<b>413,00</b>	4.00	3.00	G2	8,6	-	1509400004	-	1505400004
4WN12-17 *	2557120017	<b>577,00</b>	5.00	3.70	G2	10,1	-	1509550004	-	1505550004
4WN12-19 *	2557120019	<b>656,00</b>	5.50	4.00	G2	11,0	-	1509550004	-	1505550004
4WN12-26 *	2557120026	<b>866,00</b>	7.50	5.50	G2	14,3	-	1509750004	-	1505750004
4WN12-38 *	2557120038	<b>1.378,00</b>	10.00	7.50	G2	18,8	-	1509100104	-	1505110004
4WN15-8 *	2557150008	<b>380,00</b>	3.00	2.20	G2	6,3	1509220000	1509300004	1505300000	1505300004
4WN15-11 *	2557150011	<b>492,00</b>	4.00	3.00	G2	8,1	-	1509400004	-	1505400004
4WN15-13 *	2557150013	<b>563,00</b>	5.00	3.70	G2	9,3	-	1509550004	-	1505550004
4WN15-15 *	2557150015	<b>630,00</b>	5.50	4.00	G2	10,5	-	1509550004	-	1505550004
4WN15-20 *	2557150020	<b>807,00</b>	7.50	5.50	G2	13,5	-	1509750004	-	1505750004
4WN15-26 *	2557150026	<b>1.102,00</b>	10.00	7.50	G2	17,1	-	1509100104	-	1505110004

See motors on page 211

OY: oil filled motor - WY: water filled motor

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

Borehole

# 4WN



## 4" borehole centrifugal pumps with oil filled motor - EBARA MOTORS

Single phase 220/230V															2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate										DNM	Weight [kg]	
					l/min	15	20	25	35	40	50	60	70	80			100
					m <sup>3</sup> /h	0.9	1.2	1.5	2.1	2.4	3.0	3.6	4.2	4.8			6.0
H=Total head [m]																	
4WN2-7/0,37M OF	2588020007	<b>470,00</b>	0,5	0,37		43	42	39	33	29	22	-	-	-	-	G1¼	9,8
4WN2-10/0,55M OF	2588020010	<b>522,00</b>	0,75	0,55		64	61	58	49	43	28	-	-	-	-	G1¼	10,9
4WN2-14/0,75M OF	2588020014	<b>578,00</b>	1	0,75		86	83	79	67	60	42	-	-	-	-	G1¼	12,6
4WN2-20/1,1M OF	2588020020	<b>691,00</b>	1,5	1,1		131	127	120	101	90	60	-	-	-	-	G1¼	15,2
4WN3-8/0,55M OF	2588030008	<b>501,00</b>	0,75	0,55		-	51	50	46	43	38	30	19	-	-	G1¼	10,5
4WN3-11/0,75M OF	2588030011	<b>552,00</b>	1	0,75		-	68	66	61	58	49	38	26	-	-	G1¼	12,1
4WN3-16/1,1M OF	2588030016	<b>651,00</b>	1,5	1,1		-	101	98	89	83	70	54	33	-	-	G1¼	14,5
4WN3-21/1,5M OF	2588030021	<b>784,00</b>	2	1,5		-	135	132	122	115	100	79	49	-	-	G1¼	17,0
4WN4-9/0,75M OF	2588040009	<b>545,00</b>	1	0,75		-	-	55	52	51	47	43	37	28	10	G1¼	12,0
4WN4-14/1,1M OF	2588040014	<b>651,00</b>	1,5	1,1		-	-	87	83	81	76	68	58	47	20	G1¼	14,4
4WN4-18/1,5M OF	2588040018	<b>784,00</b>	2	1,5		-	-	113	108	105	98	88	75	60	25	G1¼	16,7
4WN5-12/1,1M OF	2588050012	<b>638,00</b>	1,5	1,1		-	-	-	72	71	68	63	57	49	31	G1¼	14,4
4WN5-16/1,5M OF	2588050016	<b>770,00</b>	2	1,5		-	-	-	98	96	92	86	77	68	46	G1¼	17,0



# 4BHS



## 4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

Reliable, sturdy to corrosion, and high efficiency thanks to smooth surface of impeller and diffuser. Suitable for domestic water, irrigation for agriculture and industrial application, firefighting and boosters, car washing and clean water handling. 4" motor connection as NEMA standards.



Low noise



Practical and easy to use



Sturdy design, corrosion resistant

## Materials

External casing	AISI 304
Impeller	AISI 304
Shaft	AISI 316
Discharge casing	AISI 304
Motor connection	AISI 304

## Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	30°C
Max. sand content	50 ppm
Poles	2
Insulation class	B (water filled motor) F (oil filled motor)
Protection degree	IP 58 (OY), IP 68 (WY)
Voltage	Single phase 230V (±10%) OYM Three phase 380-415V (±10%) OY Single phase 230V (-10%+6%) WYM Three phase 380-415V (-10%+6%) WY

## Accessories



### Cables

Page 379 - **Quadripolar cables**



### Capacitors

Page 377 - **Capacitors 450V**



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**  
Pressure regulator

Page 362 - **E-power**  
Variable speed control systems

Page 360 - **E-drive**  
Variable speed control systems

Page 364 - **Control panels**  
Q - 1EP-E - QA50/B - QA60/C - Smart



### Floats

Page 377 - **5/10 m key floats with counterweight**



### Cooling sleeve

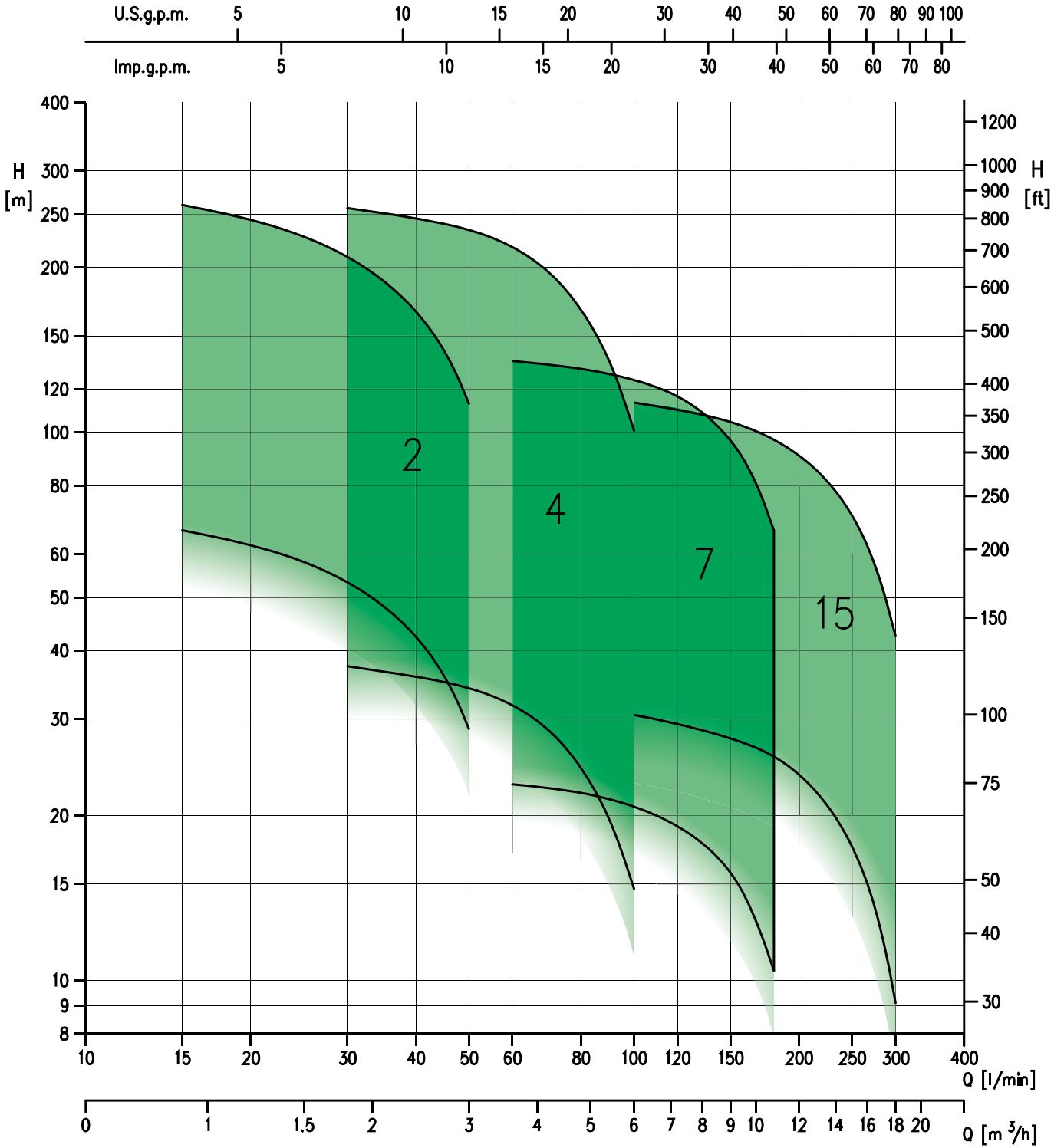
Page 380 - **Cooling sleeve for 4" borehole pumps**

# 4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

Borehole



# 4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

Selection table														
Model	HP	kW	Q=Flow rate											
			l/min	15	20	30	40	50	60	80	100	120	150	180
			m³/h	0,9	1,2	1,8	2,4	3	3,6	4,8	6	7,2	9	10,8
H=Total head [m]														
4BHS/A 2-13	0,75	0,55		66,5	62,5	53,5	42,5	28,6	-	-	-	-	-	-
4BHS/A 2-18	1	0,75		92,0	86,0	74,0	58,5	39,6	-	-	-	-	-	-
4BHS/A 2-27	1,5	1,1		138,0	129,0	111,0	88,0	59,5	-	-	-	-	-	-
4BHS/A 2-36	2	1,5		184,0	172,0	148,0	117,0	79,0	-	-	-	-	-	-
4BHS/A 2-44	3	2,2		224,0	211,0	180,0	143,0	97,0	-	-	-	-	-	-
4BHS/A 2-51	3	2,2		260,0	244,0	209,0	166,0	112,0	-	-	-	-	-	-
4BHS/A 4-7	0,75	0,55		-	-	37,5	35,8	34,2	31,8	24,4	14,7	-	-	-
4BHS/A 4-10	1	0,75		-	-	53,5	51,0	49,0	45,5	34,9	21,0	-	-	-
4BHS/A 4-15	1,5	1,1		-	-	80,5	77,0	73,0	68,0	52,5	31,5	-	-	-
4BHS/A 4-20	2	1,5		-	-	107,0	102,0	97,5	91,0	70,0	42,0	-	-	-
4BHS/A 4-24	3	2,2		-	-	128,0	123,0	117,0	109,0	84,0	50,5	-	-	-
4BHS/A 4-29	3	2,2		-	-	155,0	148,0	142,0	132,0	101,0	61,0	-	-	-
4BHS/A 4-36	4	3		-	-	193,0	184,0	176,0	163,0	126,0	75,5	-	-	-
4BHS/A 4-48	5,5	4		-	-	257,0	246,0	234,0	218,0	168,0	101,0	-	-	-
4BHS/A 7-4	1	0,75		-	-	-	-	-	22,8	22,0	20,8	19,1	15,7	10,4
4BHS/A 7-7	1,5	1,1		-	-	-	-	-	39,9	38,5	36,3	33,5	27,5	18,2
4BHS/A 7-10	2	1,5		-	-	-	-	-	57,0	55,0	52,0	48,0	39,3	26,0
4BHS/A 7-12	3	2,2		-	-	-	-	-	68,5	66,0	62,5	57,5	47,0	31,3
4BHS/A 7-14	3	2,2		-	-	-	-	-	80,0	77,0	72,5	67,0	55,0	36,5
4BHS/A 7-18	4	3		-	-	-	-	-	106,0	102,0	97,5	91,0	75,5	52,0
4BHS/A 7-23	5,5	4		-	-	-	-	-	135,0	131,0	125,0	116,0	96,5	66,0

2 Poles										
Model	Code	£ Stg	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
							Oil filled OY		Water filled WY	
							1~	3~	1~	3~
4BHS/A 2-13	3501031013A	845,00	0,75	0,55	G1¼	6,6	1509070000	1509070004	1505090000	1505090004
4BHS/A 2-18	3501051018A	1.048,00	1	0,75	G1¼	8,3	1509100000	1509100004	1505100000	1505100004
4BHS/A 2-27	3501071027A	1.303,00	1,5	1,1	G1¼	11,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 2-36	3501081036A	1.625,00	2	1,5	G1¼	13,8	1509150000	1509200004	1505200000	1505200004
4BHS/A 2-44	3501101044A	1.909,00	3	2,2	G1¼	16,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 2-51	3501101051A	2.121,00	3	2,2	G1¼	18,7	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-7	3502031007A	733,00	0,75	0,55	G1½	4,4	1509070000	1509070004	1505090000	1505090004
4BHS/A 4-10	3502051010A	806,00	1	0,75	G1½	5,5	1509100000	1509100004	1505100000	1505100004
4BHS/A 4-15	3502071015A	960,00	1,5	1,1	G1½	7,2	1509110000	1509150004	1505150000	1505150004
4BHS/A 4-20	3502081020A	1.175,00	2	1,5	G1½	8,3	1509150000	1509200004	1505200000	1505200004
4BHS/A 4-24	3502101024A	1.296,00	3	2,2	G1½	9,9	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-29	3502101029A	1.511,00	3	2,2	G1½	11,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-36	3502111036A	1.728,00	4	3	G1½	14,3	-	1509400004	-	1505400004
4BHS/A 4-48	3502121048A	2.172,00	5,5	4	G1½	17,6	-	1509550004	-	1505550004
4BHS/A 7-4	3503051004A	733,00	1	0,75	G2	4,2	1509100000	1509100004	1505100000	1505100004
4BHS/A 7-7	3503071007A	846,00	1,5	1,1	G2	5,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 7-10	3503081010A	968,00	2	1,5	G2	6,6	1509150000	1509200004	1505200000	1505200004
4BHS/A 7-12	3503101012A	1.112,00	3	2,2	G2	7,7	1509220100	1509300004	1505300000	1505300004
4BHS/A 7-14	3503101014A	1.191,00	3	2,2	G2	8,3	1509220100	1509300004	1505300000	1505300004
4BHS/A 7-18	3503111018A	1.354,00	4	3	G2	9,9	-	1509400004	-	1505400004
4BHS/A 7-23	3503121023A	1.618,00	5,5	4	G2	11,5	-	1509550004	-	1505550004

OY: oil filled motor - WY: water filled motor

# IDROGO



## 5" borehole centrifugal pumps

Borehole multistage centrifugal pumps suitable for clean water handling from tank or reservoir for first water collection. Use for domestic pressure boosting, small irrigation and car washing. Equipped with twin mechanical seal oil insert. Provided with 20 m cable H07RN-F type. Single phase version available with floats, on request ("A" version).



Low noise



Practical and easy to use



Suitable for horizontal operation

## Materials

External casing	AISI 304
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 431
Mechanical seal	(motor side) in Carbon/Ceramic/NBR (pump side) in SiC/Carbon/NBR

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



### Hydraulic discharge kit IDROGO

Page 381 - **Hydraulic kit for two pumps** (manifold, valves, pressure switches, pressure gauge) for pressure tank or inverter driven



### Tanks

Page 382 - **8/10 bar 5/10 litres tanks**



### Pressure switches

Page 377 - **1,3÷12 bar pressure switches**



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - Smart

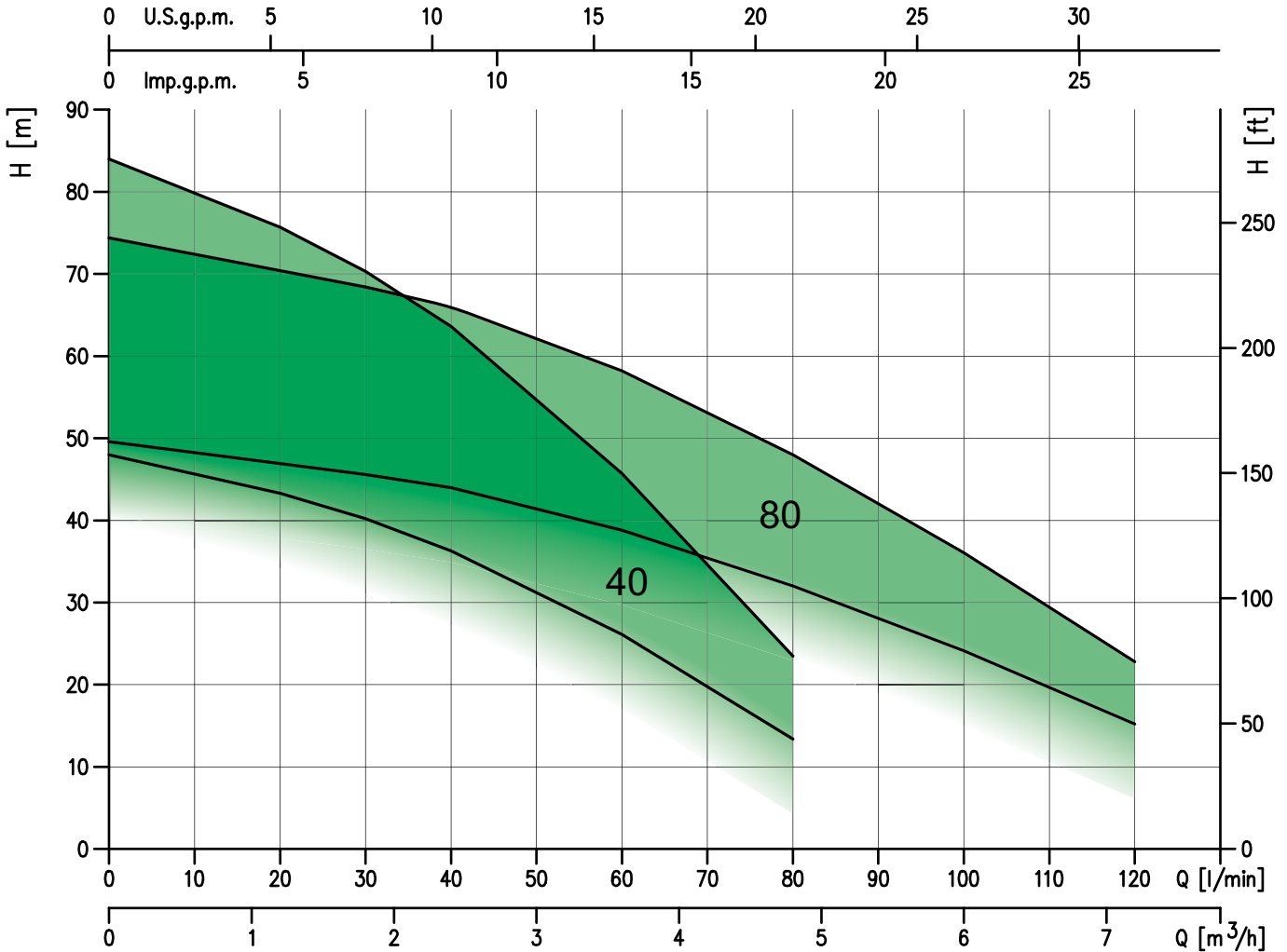


### Floats

Page 377 - **5/10 m key floats with counterweight**

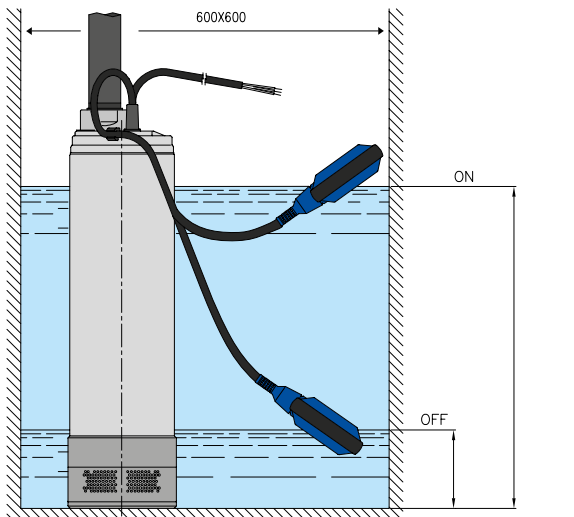
# IDROGO

## 5" borehole centrifugal pumps



Borehole

### Installation



The key float with counterweight (5 m or 10 m) provided on request, is an accessory efficient and useful. It can allow the pump starting and stopping based on the water level in the tank. When it is installed, is necessary respect the minimum dimensions required, to guarantee the right working of float.

# IDROGO

## 5" borehole centrifugal pumps



Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120			
					m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2			
H=Total head [m]															
IDROGO M40/06A *	1581030621	<b>537,00</b>	0,6	0,44		33,1	30,8	27,8	20,0	10,3	-	-	3,8	G1¼	13,2
IDROGO M40/06 *	1581020521	<b>529,00</b>	0,6	0,44		33,1	30,8	27,8	20,0	10,3	-	-	3,8	G1¼	13,0
IDROGO M40/08A	1582031221	<b>565,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1¼	14,8
IDROGO M40/08	1582030021	<b>554,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1¼	14,6
IDROGO M40/10A	1582051221	<b>571,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1¼	16,2
IDROGO M40/10	1582050021	<b>595,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1¼	16,0
IDROGO M40/12A	1582061221	<b>688,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1¼	17,4
IDROGO M40/12	1582060021	<b>678,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1¼	17,2
IDROGO M40/15A	1582071221	<b>749,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1¼	18,5
IDROGO M40/15	1582070021	<b>732,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1¼	18,3
IDROGO M80/12A	1592061221	<b>646,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1¼	16,7
IDROGO M80/12	1592060021	<b>636,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1¼	16,5
IDROGO M80/15A	1592071221	<b>708,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1¼	17,9
IDROGO M80/15	1592070021	<b>697,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1¼	17,7

\*"A" version is complete of float

\*= with 5 m cable HØ7RN-F (20 m for the rest of the range)

Three phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120			
					m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2			
H=Total head [m]															
IDROGO 40/08	1582030009	<b>514,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1¼	14,8
IDROGO 40/10	1582050009	<b>532,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1¼	16,1
IDROGO 40/12	1582060009	<b>636,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1¼	17,4
IDROGO 40/15	1582070009	<b>688,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1¼	18,3
IDROGO 80/12	1592060009	<b>604,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1¼	16,4
IDROGO 80/15	1592070009	<b>658,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1¼	17,4
IDROGO 80/20	1592080009	<b>688,00</b>	2	1,5		-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1¼	18,0

Three phase 400V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]
					l/min	20	30	40	60	80	100	120			
					m <sup>3</sup> /h	1,2	1,8	2,4	3,6	4,8	6	7,2			
H=Total head [m]															
IDROGO 40/08	1582030004	<b>514,00</b>	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1¼	14,8
IDROGO 40/10	1582050004	<b>532,00</b>	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1¼	16,1
IDROGO 40/12	1582060004	<b>636,00</b>	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1¼	17,4
IDROGO 40/15	1582070004	<b>688,00</b>	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1¼	18,3
IDROGO 80/12	1592060004	<b>604,00</b>	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1¼	16,4
IDROGO 80/15	1592070004	<b>658,00</b>	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1¼	17,4
IDROGO 80/20	1592080004	<b>688,00</b>	2	1,5		-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1¼	18,0

# SF6



## 6" borehole centrifugal pumps (hydraulic only)

6" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Practical and easy to use



Sturdy design, corrosion resistant



Lightweight and easily transportable

### Materials

External casing	AISI 304
Impeller	PPO reinforced with fibreglass
Shaft	AISI 420
Discharge casing	AISI 304
Motor connection	AISI 304

### Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	30°C
Max. sand content	50 ppm
Poles	2
Insulation class	F (4" - 6" OY), (6" WY) B (4" WY)
Protection degree	IP 58 (4" - 6" OY), (6" WY) IP 68 (4" WY)
Voltage	Three phase 400V (±10%) Three phase 400V (+6% -10%)

### Accessories



#### Capacitors

Page 377 - **Capacitors 450V**



#### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - QA50/B - QA60/C - Smart



#### Floats

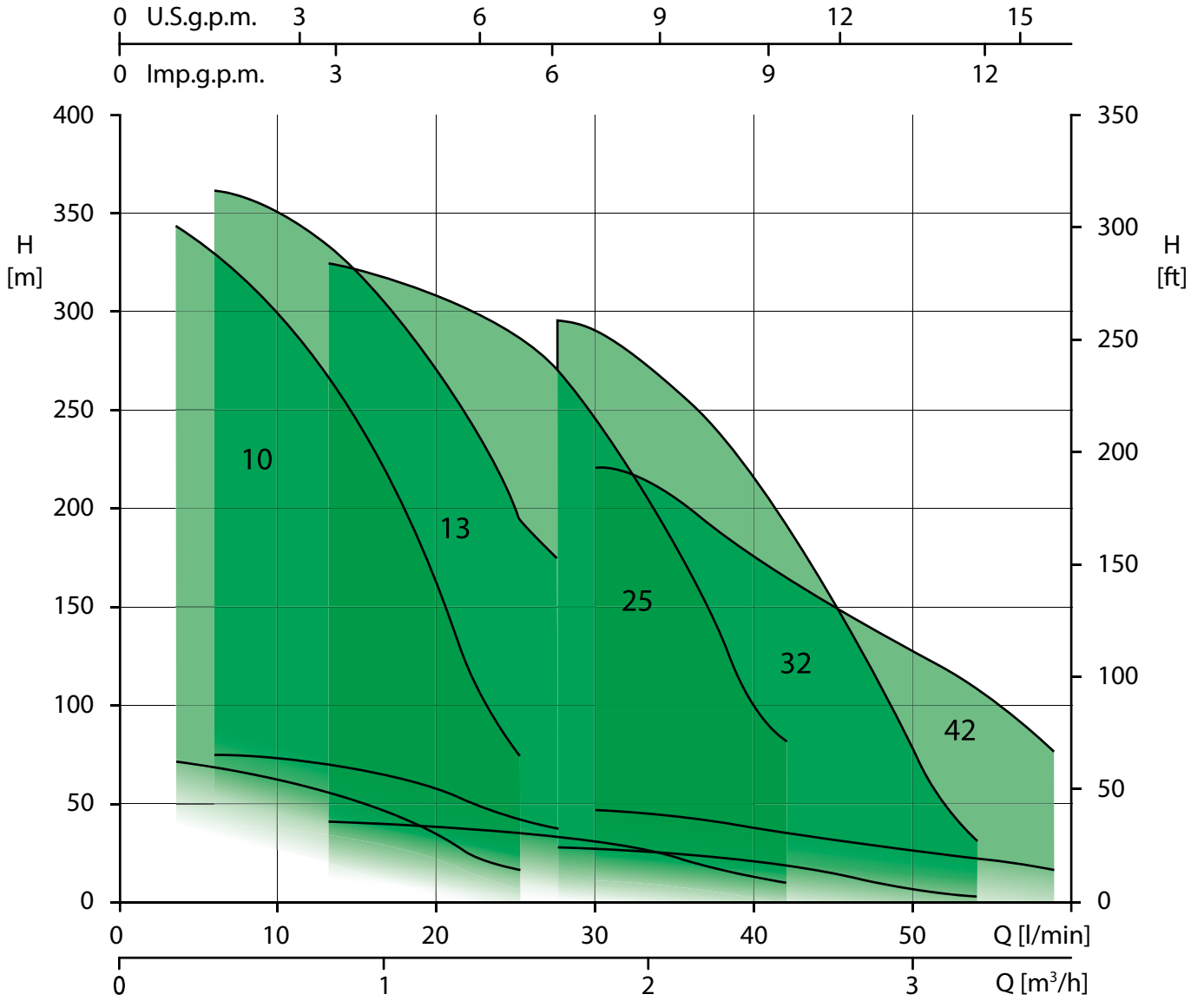
Page 377 - **5/10 m key floats with counterweight**

# SF6



## 6" borehole centrifugal pumps (hydraulic only)

Borehole





# SF6



## 6" borehole centrifugal pumps (hydraulic only)

Selection table																			
Model	HP	kW	Q=Flow rate																
			l/min	50	75	100	125	150	175	200	250	350	500	600	700	800	900	1000	1100
			m³/h	3	4,5	6	7,5	9	10,5	12	15	21	30	36	42	48	54	60	66
			H=Total head [m]																
SF6R10-5/2,2	3	2,2		73	70	67	63	58	53	46	27	-	-	-	-	-	-	-	-
SF6R10-6/3	4	3		88	84	80	76	70	63	55	32	-	-	-	-	-	-	-	-
SF6R10-7/3	4	3		102	98	94	89	82	74	64	38	-	-	-	-	-	-	-	-
SF6R10-8/4	5	3,7		117	112	107	101	93	84	73	43	-	-	-	-	-	-	-	-
SF6R10-9/4	5,5	4		131	126	121	114	105	95	82	48	-	-	-	-	-	-	-	-
SF6R10-12/5,5	7,5	5,5		175	169	161	152	140	127	109	65	-	-	-	-	-	-	-	-
SF6R10-16/7,5	10	7,5		234	225	214	202	187	169	146	86	-	-	-	-	-	-	-	-
SF6R10-18/9,2	12,5	9,3		263	253	241	228	210	190	164	97	-	-	-	-	-	-	-	-
SF6R10-21/9,2	12,5	9,3		307	295	281	266	245	222	192	113	-	-	-	-	-	-	-	-
SF6R13-5/3	4	3		-	-	75	74	71	68	64	52	15	-	-	-	-	-	-	-
SF6R13-6/4	5	3,7		-	-	90	88	86	81	76	63	17	-	-	-	-	-	-	-
SF6R13-7/5,5	7,5	5,5		-	-	106	103	100	95	89	73	20	-	-	-	-	-	-	-
SF6R13-8/5,5	7,5	5,5		-	-	121	118	114	109	102	83	23	-	-	-	-	-	-	-
SF6R13-9/5,5	7,5	5,5		-	-	136	133	128	122	115	94	26	-	-	-	-	-	-	-
SF6R13-12/7,5	10	7,5		-	-	181	177	171	163	153	125	35	-	-	-	-	-	-	-
SF6R13-15/9,2	12,5	9,3		-	-	226	221	214	204	191	156	44	-	-	-	-	-	-	-
SF6R13-18/11	15	11		-	-	271	265	257	244	229	188	52	-	-	-	-	-	-	-
SF6R13-21/13	17,5	13		-	-	317	309	299	285	267	219	61	-	-	-	-	-	-	-
SF6R13-24/15	20	15		-	-	362	354	342	326	306	250	70	-	-	-	-	-	-	-
SF6S25-3/3 *	4	3		-	-	-	-	-	-	40	38	32	21	10	-	-	-	-	-
SF6S25-4/4 *	5	3,7		-	-	-	-	-	-	53	50	43	27	13	-	-	-	-	-
SF6S25-6/5,5 *	7,5	5,5		-	-	-	-	-	-	79	75	65	41	20	-	-	-	-	-
SF6S25-8/7,5 *	10	7,5		-	-	-	-	-	-	106	100	86	55	27	-	-	-	-	-
SF6S25-10/9,2 *	12,5	9,3		-	-	-	-	-	-	132	125	108	69	34	-	-	-	-	-
SF6S25-12/11 *	15	11		-	-	-	-	-	-	159	150	129	82	40	-	-	-	-	-
SF6S25-14/15 *	17,5	13		-	-	-	-	-	-	185	175	151	96	47	-	-	-	-	-
SF6S25-16/15 *	20	15		-	-	-	-	-	-	212	200	172	110	54	-	-	-	-	-
SF6S25-20/18,5 *	25	18,5		-	-	-	-	-	-	264	251	215	137	67	-	-	-	-	-
SF6S25-24/22 *	30	22		-	-	-	-	-	-	317	301	258	164	81	-	-	-	-	-
SF6S32-2/3 *	4	3		-	-	-	-	-	-	-	-	27	23	19	13	7	-	-	-
SF6S32-3/4 *	5	3,7		-	-	-	-	-	-	-	-	40	35	28	20	10	-	-	-
SF6S32-4/5,5 *	7,5	5,5		-	-	-	-	-	-	-	-	54	46	38	26	13	-	-	-
SF6S32-5/7,5 *	10	7,5		-	-	-	-	-	-	-	-	67	58	47	33	17	-	-	-
SF6S32-6/9,2 *	12,5	9,3		-	-	-	-	-	-	-	-	81	70	57	39	20	-	-	-
SF6S32-8/11 *	15	11		-	-	-	-	-	-	-	-	108	93	76	53	26	-	-	-
SF6S32-9/15 *	17,5	13		-	-	-	-	-	-	-	-	121	104	85	59	30	-	-	-
SF6S32-10/15 *	20	15		-	-	-	-	-	-	-	-	135	116	95	66	33	-	-	-
SF6S32-13/18,5 *	25	18,5		-	-	-	-	-	-	-	-	175	151	123	86	43	-	-	-
SF6S32-16/22 *	30	22		-	-	-	-	-	-	-	-	216	186	151	105	53	-	-	-
SF6S32-19/26 *	35	26		-	-	-	-	-	-	-	-	256	220	180	125	63	-	-	-
SF6S32-22/30 *	40	30		-	-	-	-	-	-	-	-	296	255	208	145	73	-	-	-
SF6S42-4/7,5 *	10	7,5		-	-	-	-	-	-	-	-	-	42	36	31	26	21	14	4
SF6S42-6/9,2 *	12,5	9,3		-	-	-	-	-	-	-	-	-	63	54	46	39	32	21	6
SF6S42-7/11 *	15	11		-	-	-	-	-	-	-	-	-	74	63	54	46	37	25	7
SF6S42-8/13 *	17,5	13		-	-	-	-	-	-	-	-	-	84	72	61	53	43	28	8
SF6S42-9/15 *	20	15		-	-	-	-	-	-	-	-	-	95	81	69	59	48	32	9
SF6S42-12/18,5 *	25	18,5		-	-	-	-	-	-	-	-	-	126	107	92	79	64	42	12
SF6S42-14/22 *	30	22		-	-	-	-	-	-	-	-	-	147	125	108	92	74	49	14
SF6S42-17/26 *	35	26		-	-	-	-	-	-	-	-	-	179	152	131	112	90	60	17
SF6S42-19/30 *	40	30		-	-	-	-	-	-	-	-	-	200	170	146	125	101	67	19

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

# SF6



## 6" borehole centrifugal pumps (hydraulic only)

Borehole

2 Poles									
Model	Code	£ Stg	HP	kW	Motor	DNM	Weight [kg]	Suitable motor for coupling	
								Oil filled OY 3~	Water filled WY 3~
SF6R10-5/2,2	3601002205	<b>1.038,00</b>	3	2,2	4"	G3	9,8	1509300004	1505300004
SF6R10-6/3	3601000306	<b>1.102,00</b>	4	3	4"	G3	10,4	1509400004	1505400004
SF6R10-7/3	3601000307	<b>1.183,00</b>	4	3	4"	G3	11	1509400004	1505400004
SF6R10-8/4	3601000408	<b>1.282,00</b>	5	3,7	4"	G3	11,8	1509550004	1505550004
SF6R10-9/4	3601000409	<b>1.416,00</b>	5,5	4	4"	G3	12,4	1509550004	1505550004
SF6R10-12/5,5	3601005512	<b>1.642,00</b>	7,5	5,5	4"	G3	14,3	1509750004	1505750004
SF6R10-16/7,5	3601007516	<b>1.841,00</b>	10	7,5	6"	G3	16,9	1505160604	1505140004
SF6R10-18/9,2	3601009218	<b>2.060,00</b>	12,5	9,3	6"	G3	18,2	1505150204	1505120004
SF6R10-21/9,2	3601009221	<b>2.441,00</b>	12,5	9,3	6"	G3	22,5	1505150204	1505120004
SF6R13-5/3	3601000305	<b>1.074,00</b>	4	3	4"	G3	9,8	1509400004	1505400004
SF6R13-6/4	3601000406	<b>1.102,00</b>	5	3,7	4"	G3	10,4	1509550004	1505550004
SF6R13-7/5,5	3601005507	<b>1.183,00</b>	7,5	5,5	4"	G3	11	1509750004	1505750004
SF6R13-8/5,5	3601005508	<b>1.282,00</b>	7,5	5,5	4"	G3	11,7	1509750004	1505750004
SF6R13-9/5,5	3601005509	<b>1.416,00</b>	7,5	5,5	4"	G3	12,4	1509750004	1505750004
SF6R13-12/7,5	3601007512	<b>1.642,00</b>	10	7,5	6"	G3	14,2	1505160604	1505140004
SF6R13-15/9,2	3601009215	<b>1.841,00</b>	12,5	9,3	6"	G3	16,2	1505150204	1505120004
SF6R13-18/11	3601001118	<b>2.060,00</b>	15	11	6"	G3	18,1	1505160200	1505160004
SF6R13-21/13	3601001321	<b>2.441,00</b>	17,5	13	6"	G3	22,5	1505170204	1505170004
SF6R13-24/15	3601001524	<b>2.548,00</b>	20	15	6"	G3	24	1505150206	1505170004
SF6S25-3/3 *	3601000303	<b>1.024,00</b>	4	3	4"	G3	9,2	1509400004	1505400004
SF6S25-4/4 *	3601000404	<b>1.143,00</b>	5	3,7	4"	G3	10,1	1509550004	1505550004
SF6S25-6/5,5 *	3601005506	<b>1.354,00</b>	7,5	5,5	4"	G3	11,9	1509750004	1505750004
SF6S25-8/7,5 *	3601007506	<b>1.501,00</b>	10	7,5	6"	G3	13,6	1505160604	1505140004
SF6S25-10/9,2 *	3601009210	<b>1.725,00</b>	12,5	9,3	6"	G3	15,5	1505150204	1505120004
SF6S25-12/11 *	3601001112	<b>1.923,00</b>	15	11	6"	G3	17,3	1505160200	1505160004
SF6S25-14/15 *	3601001514	<b>2.118,00</b>	17,5	13	6"	G3	19,1	1505150206	1505170004
SF6S25-16/15 *	3601001516	<b>2.285,00</b>	20	15	6"	G3	21,0	1505150206	1505170004
SF6S25-20/18,5 *	3601001820	<b>2.819,00</b>	25	18,5	6"	G3	27,5	1505160504	1505180004
SF6S25-24/22 *	3601002224	<b>3.288,00</b>	30	22	6"	G3	31,5	1505163004	1505190004
SF6S32-2/3 *	3601000302	<b>957,00</b>	4	3	4"	G3	8,5	1509400004	1505400004
SF6S32-3/4 *	3601000403	<b>1.035,00</b>	5	3,7	4"	G3	9,4	1509550004	1505550004
SF6S32-4/5,5 *	3601005504	<b>1.119,00</b>	7,5	5,5	4"	G3	10,2	1509750004	1505750004
SF6S32-5/7,5 *	3601007505	<b>1.221,00</b>	10	7,5	6"	G3	11,2	1505160604	1505140004
SF6S32-6/9,2 *	3601009206	<b>1.354,00</b>	12,5	9,3	6"	G3	12,1	1505150204	1505120004
SF6S32-8/11 *	3601001108	<b>1.509,00</b>	15	11	6"	G3	13,9	1505160200	1505160004
SF6S32-9/15 *	3601001509	<b>1.642,00</b>	17,5	13	6"	G3	15,0	1505150206	1505170004
SF6S32-10/15 *	3601001510	<b>1.725,00</b>	20	15	6"	G3	15,8	1505150206	1505170004
SF6S32-13/18,5 *	3601001813	<b>1.922,00</b>	25	18,5	6"	G3	17,7	1505160504	1505180004
SF6S32-16/22 *	3601002216	<b>2.197,00</b>	30	22	6"	G3	20,5	1505163004	1505190004
SF6S32-19/26 *	3601002619	<b>2.616,00</b>	35	26	6"	G3	26,5	1505160009	1505400304
SF6S32-22/30 *	3601003022	<b>2.819,00</b>	40	30	6"	G3	28,5	1505164004	1505400304
SF6S42-4/7,5 *	3601007504	<b>1.119,00</b>	10	7,5	6"	G3	10,1	1505160604	1505140004
SF6S42-6/9,2 *	3601019206	<b>1.354,00</b>	12,5	9,3	6"	G3	11,1	1505150204	1505120004
SF6S42-7/11 *	3601001107	<b>1.405,00</b>	15	11	6"	G3	12,0	1505160200	1505160004
SF6S42-8/13 *	3601001308	<b>1.509,00</b>	17,5	13	6"	G3	13,8	1505170204	1505170004
SF6S42-9/15 *	3601002509	<b>1.642,00</b>	20	15	6"	G3	14,8	1505150206	1505170004
SF6S42-12/18,5 *	3601011812	<b>1.725,00</b>	25	18,5	6"	G3	15,7	1505160504	1505180004
SF6S42-14/22 *	3601002214	<b>1.923,00</b>	30	22	6"	G3	17,8	1505163004	1505190004
SF6S42-17/26 *	3601002617	<b>2.197,00</b>	35	26	6"	G3	20,5	1505160009	1505400304
SF6S42-19/30 *	3601003019	<b>2.617,00</b>	40	30	6"	G3	26,5	1505164004	1505400304

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

# 6BHE



## 6" borehole centrifugal pumps in AISI 304 (hydraulic only)

6" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design, corrosion resistant



Suitable for horizontal operation



Available in AISI 316

### Materials

External casing	AISI 304
Impeller	AISI 304
Shaft	AISI 431
Discharge casing	AISI 304
Motor connection	AISI 304

### Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m <sup>3</sup>
Poles	2
Insulation class	F (4"-6" OY), (6"-8" WY) B (4" WY)
Protection degree	IP58 (OY), IP68 (WY)
Voltage	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY

### Accessories



#### Capacitors

Page 377 - **Capacitors 450V**



#### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

1EP-E - Smart



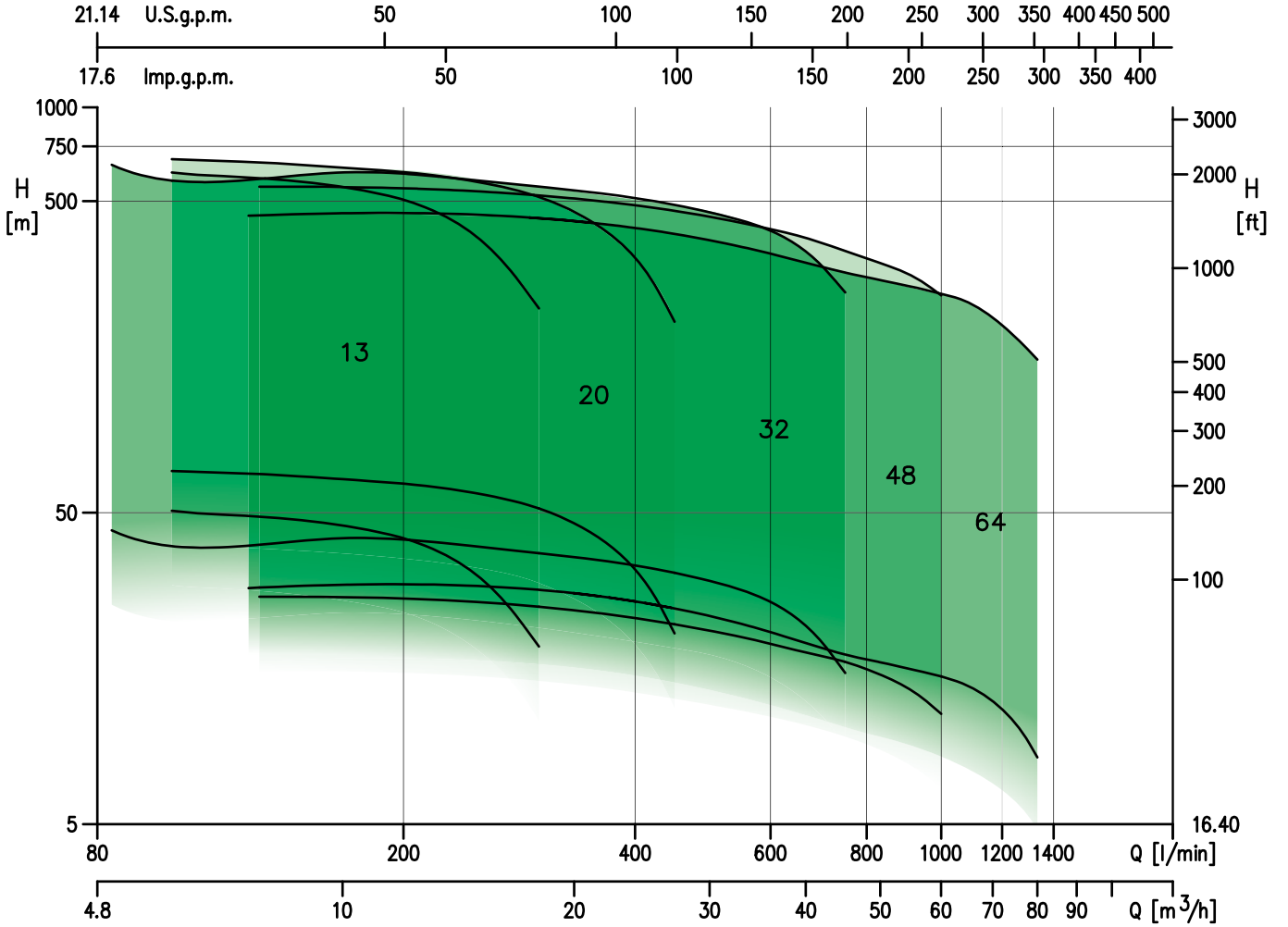
#### Floats

Page 377 - **5/10 m key floats with counterweight**

# 6BHE



6" borehole centrifugal pumps in AISI 304 (hydraulic only)



Borehole

# 6BHE 13

6" borehole centrifugal pumps in AISI 304 (hydraulic only)



2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
									m <sup>3</sup> /h	6	8	10	12	15	18		
									H=Total head [m]								
6BHE 13-5*	3651300005	<b>1.130,00</b>	5,5	4	6"	3	2,2	4"		50,7	48,4	45,4	41,4	31,3	18,6	Rp2½	11,5
6BHE 13-6*	3651300006	<b>1.176,00</b>	5,5	4	6"	5	3,7	4"		60,8	58,1	54,5	49,7	37,5	22,3	Rp2½	13,0
6BHE 13-7*	3651300007	<b>1.213,00</b>	5,5	4	6"	5	3,7	4"		71,0	67,8	63,6	58,0	43,8	26,0	Rp2½	13,0
6BHE 13-8*	3651300008	<b>1.267,00</b>	5,5	4	6"	5	3,7	4"		81,1	77,5	72,7	66,3	50,0	29,7	Rp2½	14,0
6BHE 13-9*	3651300009	<b>1.330,00</b>	7,5	5,5	6"	7,5	5,5	4"		91,2	87,2	81,8	74,6	56,3	33,4	Rp2½	14,5
6BHE 13-10*	3651300010	<b>1.365,00</b>	7,5	5,5	6"	7,5	5,5	4"		101,4	96,9	90,9	82,9	62,5	37,1	Rp2½	15,0
6BHE 13-11*	3651300011	<b>1.444,00</b>	7,5	5,5	6"	7,5	5,5	4"		111,5	106,6	100,0	91,2	68,8	40,8	Rp2½	16,0
6BHE 13-12*	3651300012	<b>1.494,00</b>	7,5	5,5	6"	7,5	5,5	4"		121,7	116,3	109,1	99,5	75,0	44,6	Rp2½	16,8
6BHE 13-13*	3651300013	<b>1.545,00</b>	7,5	5,5	6"	7,5	5,5	4"		131,8	125,9	118,1	107,7	81,3	48,3	Rp2½	17,5
6BHE 13-14*	3651300014	<b>1.624,00</b>	10	7,5	6"	10	7,5	4"		141,9	135,6	127,2	116,0	87,5	52,0	Rp2½	18,5
6BHE 13-15*	3651300015	<b>1.652,00</b>	10	7,5	6"	10	7,5	4"		152,1	145,3	136,3	124,3	93,8	55,7	Rp2½	19,2
6BHE 13-16*	3651300016	<b>1.694,00</b>	10	7,5	6"	10	7,5	4"		162,2	155,0	145,4	132,6	100,0	59,4	Rp2½	19,8
6BHE 13-17*	3651300017	<b>1.717,00</b>	10	7,5	6"	10	7,5	4"		172,3	164,7	154,5	140,9	106,3	63,1	Rp2½	20,5
6BHE 13-18*	3651300018	<b>1.805,00</b>	12,5	9,3	6"	-	-	-		182,5	174,4	163,6	149,2	112,5	66,8	Rp2½	21,3
6BHE 13-19*	3651300019	<b>1.835,00</b>	12,5	9,3	6"	-	-	-		192,6	184,1	172,7	157,5	118,8	70,5	Rp2½	22,0
6BHE 13-20*	3651300020	<b>1.937,00</b>	12,5	9,3	6"	-	-	-		202,8	193,8	181,8	165,8	125,0	74,3	Rp2½	23,0
6BHE 13-21*	3651300021	<b>1.956,00</b>	12,5	9,3	6"	-	-	-		212,9	203,4	190,8	174,0	131,3	78,0	Rp2½	23,5
6BHE 13-22*	3651300022	<b>1.986,00</b>	12,5	9,3	6"	-	-	-		223,0	213,1	199,9	182,3	137,5	81,7	Rp2½	24,0
6BHE 13-23*	3651300023	<b>1.994,00</b>	15	11	6"	-	-	-		233,2	222,8	209,0	190,6	143,8	85,4	Rp2½	25,0
6BHE 13-24*	3651300024	<b>2.041,00</b>	15	11	6"	-	-	-		243,3	232,5	218,1	198,9	150,0	89,1	Rp2½	25,5
6BHE 13-25*	3651300025	<b>2.138,00</b>	15	11	6"	-	-	-		253,4	242,2	227,2	207,2	156,3	92,8	Rp2½	26,5
6BHE 13-26*	3651300026	<b>2.236,00</b>	15	11	6"	-	-	-		263,6	251,9	236,3	215,5	162,5	96,5	Rp2½	27,0
6BHE 13-27*	3651300027	<b>2.265,00</b>	20	15	6"	-	-	-		273,7	261,6	245,4	223,8	168,8	100,2	Rp2½	29,0
6BHE 13-28*	3651300028	<b>2.363,00</b>	20	15	6"	-	-	-		283,9	271,3	254,5	232,1	175,0	104,0	Rp2½	29,0
6BHE 13-29*	3651300029	<b>2.477,00</b>	20	15	6"	-	-	-		294,0	280,9	263,5	240,3	181,3	107,7	Rp2½	30,5
6BHE 13-30*	3651300030	<b>2.478,00</b>	20	15	6"	-	-	-		304,1	290,6	272,6	248,6	187,5	111,4	Rp2½	30,8
6BHE 13-31*	3651300031	<b>2.503,00</b>	20	15	6"	-	-	-		314,3	300,3	281,7	256,9	193,8	115,1	Rp2½	31,0
6BHE 13-32*	3651300032	<b>2.593,00</b>	20	15	6"	-	-	-		324,4	310,0	290,8	265,2	200,0	118,8	Rp2½	31,5
6BHE 13-33*	3651300033	<b>2.665,00</b>	20	15	6"	-	-	-		334,5	319,7	299,9	273,5	206,3	122,5	Rp2½	32,5
6BHE 13-34*	3651300034	<b>2.859,00</b>	20	15	6"	-	-	-		344,7	329,4	309,0	281,8	212,5	126,2	Rp2½	33,5
6BHE 13-35*	3651300035	<b>2.955,00</b>	20	15	6"	-	-	-		354,8	339,1	318,1	290,1	218,8	129,9	Rp2½	34,0
6BHE 13-36*	3651300036	<b>2.999,00</b>	20	15	6"	-	-	-		365,0	348,8	327,2	298,4	225,0	133,7	Rp2½	34,5
6BHE 13-37*	3651300037	<b>3.050,00</b>	25	18,5	6"	-	-	-		375,1	358,4	336,2	306,6	231,3	137,4	Rp2½	35,3
6BHE 13-38*	3651300038	<b>3.123,00</b>	25	18,5	6"	-	-	-		385,2	368,1	345,3	314,9	237,5	141,1	Rp2½	36,0
6BHE 13-39*	3651300039	<b>3.243,00</b>	25	18,5	6"	-	-	-		395,4	377,8	354,4	323,2	243,8	144,8	Rp2½	37,3
6BHE 13-40*	3651300040	<b>3.279,00</b>	25	18,5	6"	-	-	-		405,5	387,5	363,5	331,5	250,0	148,5	Rp2½	38,5
6BHE 13-41*	3651300041	<b>3.307,00</b>	25	18,5	6"	-	-	-		415,6	397,2	372,6	339,8	256,3	152,2	Rp2½	38,8
6BHE 13-42*	3651300042	<b>3.342,00</b>	25	18,5	6"	-	-	-		425,8	406,9	381,7	348,1	262,5	155,9	Rp2½	39,0
6BHE 13-43*	3651300043	<b>3.640,00</b>	25	18,5	6"	-	-	-		435,9	416,6	390,8	356,4	268,8	159,6	Rp2½	39,8
6BHE 13-44*	3651300044	<b>4.553,00</b>	25	18,5	6"	-	-	-		446,1	426,3	399,9	364,7	275,0	163,4	Rp2½	40,5
6BHE 13-45*	3651300045	<b>4.627,00</b>	30	22	6"	-	-	-		456,2	435,9	408,9	372,9	281,3	167,1	Rp2½	41,3
6BHE 13-46*	3651300046	<b>4.703,00</b>	30	22	6"	-	-	-		466,3	445,6	418,0	381,2	287,5	170,8	Rp2½	42,0
6BHE 13-47*	3651300047	<b>4.719,00</b>	30	22	6"	-	-	-		476,5	455,3	427,1	389,5	293,8	174,5	Rp2½	43,0
6BHE 13-48*	3651300048	<b>4.858,00</b>	30	22	6"	-	-	-		486,6	465,0	436,2	397,8	300,0	178,2	Rp2½	44,0
6BHE 13-49*	3651300049	<b>4.933,00</b>	30	22	6"	-	-	-		496,7	474,7	445,3	406,1	306,3	181,9	Rp2½	45,0
6BHE 13-50*	3651300050	<b>5.125,00</b>	30	22	6"	-	-	-		506,9	484,4	454,4	414,4	312,5	185,6	Rp2½	46,0
6BHE 13-51*	3651300051	<b>5.315,00</b>	30	22	6"	-	-	-		517,0	494,1	463,5	422,7	318,8	189,3	Rp2½	47,0

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)

Price increase for double output cable cover: 94,00€

# 6BHE 13



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

														2 Poles			
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
									m <sup>3</sup> /h	6	8	10	12	15			18
														H=Total head [m]			
6BHE 13-52*	3651300052	<b>5.508,00</b>	30	22	6"	-	-	-		527,2	503,8	472,6	431,0	325,0	193,1	Rp2½	48,0
6BHE 13-53*	3651300053	<b>5.611,00</b>	40	30	6"	-	-	-		537,3	513,4	481,6	439,2	331,3	196,8	Rp2½	48,8
6BHE 13-54*	3651300054	<b>5.753,00</b>	40	30	6"	-	-	-		547,4	523,1	490,7	447,5	337,5	200,5	Rp2½	49,7
6BHE 13-55*	3651300055	<b>5.827,00</b>	40	30	6"	-	-	-		557,6	532,8	499,8	455,8	343,8	204,2	Rp2½	50,5
6BHE 13-56*	3651300056	<b>6.078,00</b>	40	30	6"	-	-	-		567,7	542,5	508,9	464,1	350,0	207,9	Rp2½	51,3
6BHE 13-57*	3651300057	<b>6.328,00</b>	40	30	6"	-	-	-		577,8	552,2	518,0	472,4	356,3	211,6	Rp2½	52,2
6BHE 13-58*	3651300058	<b>6.604,00</b>	40	30	6"	-	-	-		588,0	561,9	527,1	480,7	362,5	215,3	Rp2½	53,0
6BHE 13-59*	3651300059	<b>6.891,00</b>	40	30	6"	-	-	-		598,1	571,6	536,2	489,0	368,8	219,0	Rp2½	54,0
6BHE 13-60*	3651300060	<b>7.185,00</b>	40	30	6"	-	-	-		608,3	581,3	545,3	497,3	375,0	222,8	Rp2½	55,0
6BHE 13-61*	3651300061	<b>7.495,00</b>	40	30	6"	-	-	-		618,4	590,9	554,3	505,5	381,3	226,5	Rp2½	56,0

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)

Price increase for double output cable cover: 94,00£



# 6BHE 20



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350			450
									m <sup>3</sup> /h	6	10	12	15	21			27
H=Total head [m]																	
6BHE 20-6	3652000006	<b>1.223,00</b>	5,5	4	6"	5	3,7	4"		68,0	64,0	62,0	57,6	43,2	20,5	Rp2½	12,5
6BHE 20-7	3652000007	<b>1.297,00</b>	7,5	5,5	6"	7,5	5,5	4"		79,0	74,7	72,3	67,2	50,4	23,9	Rp2½	13,5
6BHE 20-8	3652000008	<b>1.405,00</b>	7,5	5,5	6"	7,5	5,5	4"		90,9	85,3	82,7	76,8	57,6	27,4	Rp2½	14,3
6BHE 20-9	3652000009	<b>1.440,00</b>	7,5	5,5	6"	7,5	5,5	4"		102,0	96,0	93,0	86,4	64,8	30,8	Rp2½	15,0
6BHE 20-10	3652000010	<b>1.521,00</b>	10	7,5	6"	10	7,5	4"		113,7	106,7	103,3	96,0	72,0	34,2	Rp2½	16,0
6BHE 20-11	3652000011	<b>1.569,00</b>	10	7,5	6"	10	7,5	4"		125,0	117,3	113,7	105,6	79,2	37,6	Rp2½	17,0
6BHE 20-12	3652000012	<b>1.586,00</b>	10	7,5	6"	10	7,5	4"		136,0	128,0	124,0	115,2	86,4	41,0	Rp2½	17,5
6BHE 20-13	3652000013	<b>1.672,00</b>	12,5	9,3	6"	-	-	-		147,1	138,7	134,3	124,8	93,6	44,5	Rp2½	18,5
6BHE 20-14	3652000014	<b>1.775,00</b>	12,5	9,3	6"	-	-	-		157,0	149,3	144,7	134,4	100,8	47,9	Rp2½	19,3
6BHE 20-15	3652000015	<b>1.820,00</b>	12,5	9,3	6"	-	-	-		170,5	160,0	155,0	144,0	108,0	51,3	Rp2½	20,0
6BHE 20-16	3652000016	<b>1.928,00</b>	15	11	6"	-	-	-		181,9	170,7	165,3	153,6	115,2	54,7	Rp2½	21,0
6BHE 20-17	3652000017	<b>1.986,00</b>	15	11	6"	-	-	-		193,2	181,3	175,7	163,2	122,4	58,1	Rp2½	22,0
6BHE 20-18	3652000018	<b>2.030,00</b>	15	11	6"	-	-	-		204,6	192,0	186,0	172,8	129,6	61,6	Rp2½	22,5
6BHE 20-19	3652000019	<b>2.160,00</b>	20	15	6"	-	-	-		216,0	202,7	196,3	182,4	136,8	65,0	Rp2½	23,5
6BHE 20-20	3652000020	<b>2.227,00</b>	20	15	6"	-	-	-		227,3	213,3	206,7	192,0	144,0	68,4	Rp2½	24,0
6BHE 20-21	3652000021	<b>2.299,00</b>	20	15	6"	-	-	-		238,7	224,0	217,0	201,6	151,2	71,8	Rp2½	25,0
6BHE 20-22	3652000022	<b>2.378,00</b>	20	15	6"	-	-	-		250,0	234,7	227,3	211,2	158,4	75,2	Rp2½	26,0
6BHE 20-23	3652000023	<b>2.497,00</b>	20	15	6"	-	-	-		261,4	245,3	237,7	220,8	165,6	78,7	Rp2½	26,5
6BHE 20-24	3652000024	<b>2.554,00</b>	20	15	6"	-	-	-		272,8	256,0	248,0	230,4	172,8	82,1	Rp2½	27,5
6BHE 20-25	3652000025	<b>2.689,00</b>	25	18,5	6"	-	-	-		284,2	266,7	258,3	240,0	180,0	85,5	Rp2½	28,3
6BHE 20-26	3652000026	<b>2.828,00</b>	25	18,5	6"	-	-	-		295,5	277,3	268,7	249,6	187,2	88,9	Rp2½	29,0
6BHE 20-27	3652000027	<b>2.873,00</b>	25	18,5	6"	-	-	-		306,0	288,0	279,0	259,2	194,4	92,3	Rp2½	31,0
6BHE 20-28	3652000028	<b>3.005,00</b>	25	18,5	6"	-	-	-		318,3	298,7	289,3	268,8	201,6	95,8	Rp2½	31,0
6BHE 20-29	3652000029	<b>3.075,00</b>	25	18,5	6"	-	-	-		329,6	309,3	299,7	278,4	208,8	99,2	Rp2½	31,5
6BHE 20-30	3652000030	<b>3.230,00</b>	25	18,5	6"	-	-	-		341,0	320,0	310,0	288,0	216,0	102,6	Rp2½	32,5
6BHE 20-31	3652000031	<b>3.331,00</b>	30	22	6"	-	-	-		352,4	330,7	320,3	297,6	223,2	106,0	Rp2½	33,3
6BHE 20-32	3652000032	<b>3.401,00</b>	30	22	6"	-	-	-		363,7	341,3	330,7	307,2	230,4	109,4	Rp2½	34,0
6BHE 20-33	3652000033	<b>3.557,00</b>	30	22	6"	-	-	-		375,1	352,0	341,0	316,8	237,6	112,9	Rp2½	35,0
6BHE 20-34	3652000034	<b>3.685,00</b>	30	22	6"	-	-	-		386,5	362,7	351,3	326,4	244,8	116,3	Rp2½	35,7
6BHE 20-35	3652000035	<b>3.785,00</b>	30	22	6"	-	-	-		397,8	373,3	361,7	336,0	252,0	119,7	Rp2½	36,3
6BHE 20-36	3652000036	<b>3.840,00</b>	30	22	6"	-	-	-		409,2	384,0	372,0	345,6	259,2	123,1	Rp2½	37,0
6BHE 20-37	3652000037	<b>3.998,00</b>	40	30	6"	-	-	-		420,6	394,7	382,3	355,2	266,4	126,5	Rp2½	38,4
6BHE 20-38	3652000038	<b>4.104,00</b>	40	30	6"	-	-	-		431,9	405,3	392,7	364,8	273,6	130,0	Rp2½	39,8
6BHE 20-39	3652000039	<b>4.134,00</b>	40	30	6"	-	-	-		443,0	416,0	403,0	374,4	280,8	133,4	Rp2½	40,0
6BHE 20-40	3652000040	<b>4.216,00</b>	40	30	6"	-	-	-		455,0	426,7	413,3	384,0	288,0	136,8	Rp2½	40,5
6BHE 20-41	3652000041	<b>4.330,00</b>	40	30	6"	-	-	-		466,0	437,3	423,7	393,6	295,2	140,2	Rp2½	41,8
6BHE 20-42	3652000042	<b>4.647,00</b>	40	30	6"	-	-	-		477,0	448,0	434,0	403,2	302,4	143,6	Rp2½	43,0

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£

# 6BHE 20



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

														2 Poles							
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]					
			HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350			450				
									m <sup>3</sup> /h	6	10	12	15	21			27				
														H=Total head [m]							
6BHE 20-43	3652000043	<b>5.214,00</b>	40	30	6"	-	-	-		489,0	458,7	444,3	412,8	309,6	147,1	Rp2½	44,0				
6BHE 20-44	3652000044	<b>5.805,00</b>	40	30	6"	-	-	-		500,0	469,3	454,7	422,4	316,8	150,5	Rp2½	45,0				
6BHE 20-45	3652000045	<b>6.097,00</b>	40	30	6"	-	-	-		511,5	480,0	465,0	432,0	324,0	153,9	Rp2½	46,0				
6BHE 20-46	3652000046	<b>6.256,00</b>	40	30	6"	-	-	-		523,0	490,7	475,3	441,6	331,2	157,3	Rp2½	47,0				
6BHE 20-47	3652000047	<b>6.640,00</b>	40	30	6"	-	-	-		534,2	501,3	485,7	451,2	338,4	160,7	Rp2½	47,5				
6BHE 20-48	3652000048	<b>6.890,00</b>	40	30	6"	-	-	-		545,6	512,0	496,0	460,8	345,6	164,2	Rp2½	48,0				
6BHE 20-49	3652000049	<b>7.290,00</b>	40	30	6"	-	-	-		557,0	522,7	506,3	470,4	352,8	167,6	Rp2½	50,0				
6BHE 20-50	3652000050	<b>7.476,00</b>	50	37	6"	-	-	-		568,3	533,3	516,7	480,0	360,0	171,0	Rp2½	51,0				
6BHE 20-51	3652000051	<b>7.824,00</b>	50	37	6"	-	-	-		579,7	544,0	527,0	489,6	367,2	174,4	Rp2½	52,0				
6BHE 20-52	3652000052	<b>8.013,00</b>	50	37	6"	-	-	-		591,1	554,7	537,3	499,2	374,4	177,8	Rp2½	53,0				
6BHE 20-53	3652000053	<b>8.352,00</b>	50	37	6"	-	-	-		602,4	565,3	547,7	508,8	381,6	181,3	Rp2½	54,0				
6BHE 20-54	3652000054	<b>8.526,00</b>	50	37	6"	-	-	-		613,8	576,0	558,0	518,4	388,8	184,7	Rp2½	55,0				
6BHE 20-55	3652000055	<b>8.696,00</b>	50	37	6"	-	-	-		625,2	586,7	568,3	528,0	396,0	188,1	Rp2½	56,0				
6BHE 20-56	3652000056	<b>8.863,00</b>	50	37	6"	-	-	-		636,5	597,3	578,7	537,6	403,2	191,5	Rp2½	57,0				
6BHE 20-57	3652000057	<b>9.035,00</b>	50	37	6"	-	-	-		647,9	608,0	589,0	547,2	410,4	194,9	Rp2½	58,0				
6BHE 20-58	3652000058	<b>9.206,00</b>	50	37	6"	-	-	-		659,3	618,7	599,3	556,8	417,6	198,4	Rp2½	59,0				
6BHE 20-59	3652000059	<b>9.375,00</b>	50	37	6"	-	-	-		670,6	629,3	609,7	566,4	424,8	201,8	Rp2½	60,0				
6BHE 20-60	3652000060	<b>9.538,00</b>	50	37	6"	-	-	-		682,0	640,0	620,0	576,0	432,0	205,2	Rp2½	61,0				

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£





# 6BHE 32



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
			HP	kW	Motor	HP	kW	Motor	l/min	83,5	166,5	333,5	416,5	583,5	750		
									H=Total head [m]								
									m <sup>3</sup> /h	5	10	20	25	35	45		
6BHE 32-3	3653200003	<b>1.421,00</b>	5,5	4	6"	5	3,7	4"		43,9	41,4	36,0	33,3	26,7	15,3	Rp3	14,7
6BHE 32-4	3653200004	<b>1.653,00</b>	7,5	5,5	6"	7,5	5,5	4"		59,5	56,0	48,8	45,2	36,5	21,4	Rp3	16,8
6BHE 32-5	3653200005	<b>1.882,00</b>	10	7,5	6"	10	7,5	4"		74,2	70,2	61,5	56,9	46,1	27,4	Rp3	18,9
6BHE 32-6	3653200006	<b>2.145,00</b>	10	7,5	6"	10	7,5	4"		88,4	83,4	72,6	67,1	54,0	31,2	Rp3	21,0
6BHE 32-7	3653200007	<b>2.353,00</b>	12,5	9,3	6"	-	-	-		104,2	98,4	86,0	79,7	64,6	38,4	Rp3	23,1
6BHE 32-8	3653200008	<b>2.698,00</b>	15	11	6"	-	-	-		119,4	113,3	98,1	90,9	73,6	43,5	Rp3	25,4
6BHE 32-9	3653200009	<b>2.846,00</b>	15	11	6"	-	-	-		132,7	125,3	109,3	101,1	81,4	47,3	Rp3	27,3
6BHE 32-10	3653200010	<b>3.083,00</b>	20	15	6"	-	-	-		149,9	141,6	123,8	114,9	93,5	56,1	Rp3	29,4
6BHE 32-11	3653200011	<b>3.398,00</b>	20	15	6"	-	-	-		163,9	154,8	135,3	125,4	101,7	60,4	Rp3	31,5
6BHE 32-12	3653200012	<b>3.566,00</b>	20	15	6"	-	-	-		177,8	167,9	146,6	135,7	109,6	64,4	Rp3	33,6
6BHE 32-13	3653200013	<b>3.781,00</b>	25	18,5	6"	-	-	-		194,0	183,7	160,6	148,9	121,1	72,4	Rp3	35,7
6BHE 32-14	3653200014	<b>3.948,00</b>	25	18,5	6"	-	-	-		208,5	196,9	172,1	159,4	129,2	76,7	Rp3	37,8
6BHE 32-15	3653200015	<b>4.169,00</b>	30	22	6"	-	-	-		224,6	212,2	185,5	172,1	140,0	84,0	Rp3	39,9
6BHE 32-16	3653200016	<b>4.505,00</b>	30	22	6"	-	-	-		238,7	225,5	197,1	182,6	148,3	88,3	Rp3	42,0
6BHE 32-17	3653200017	<b>4.599,00</b>	30	22	6"	-	-	-		252,6	238,5	208,4	193,0	156,4	92,5	Rp3	44,1
6BHE 32-18	3653200018	<b>4.748,00</b>	30	22	6"	-	-	-		226,8	251,8	219,7	203,3	164,3	96,5	Rp3	46,1
6BHE 32-19	3653200019	<b>4.932,00</b>	40	30	6"	-	-	-		286,0	270,5	236,8	219,9	179,7	109,1	Rp3	48,2
6BHE 32-20	3653200020	<b>5.090,00</b>	40	30	6"	-	-	-		300,6	284,0	248,6	230,7	188,2	113,8	Rp3	50,3
6BHE 32-21	3653200021	<b>5.249,00</b>	40	30	6"	-	-	-		315,0	297,4	260,2	241,5	196,7	118,3	Rp3	52,4
6BHE 32-22	3653200022	<b>5.430,00</b>	40	30	6"	-	-	-		329,1	310,9	271,8	252,1	205,0	122,7	Rp3	54,5
6BHE 32-23	3653200023	<b>5.550,00</b>	40	30	6"	-	-	-		343,2	324,1	283,4	262,6	213,2	127,0	Rp3	56,6
6BHE 32-24	3653200024	<b>5.774,00</b>	40	30	6"	-	-	-		357,2	337,3	294,8	273,1	221,4	131,2	Rp3	58,7
6BHE 32-25	3653200025	<b>6.708,00</b>	50	37	6"	-	-	-		374,5	353,8	309,4	287,0	233,5	140,1	Rp3	60,8
6BHE 32-26	3653200026	<b>7.453,00</b>	50	37	6"	-	-	-		388,1	367,0	320,9	297,5	241,8	144,5	Rp3	62,9
6BHE 32-27	3653200027	<b>7.939,00</b>	50	37	6"	-	-	-		402,6	380,3	332,4	308,1	250,0	148,8	Rp3	65,0
6BHE 32-28	3653200028	<b>8.293,00</b>	50	37	6"	-	-	-		416,7	393,5	343,8	318,5	258,1	152,9	Rp3	67,2
6BHE 32-29	3653200029	<b>8.889,00</b>	50	37	6"	-	-	-		430,5	406,5	355,2	328,9	266,2	157,0	Rp3	69,2
6BHE 32-30	3653200030	<b>9.203,00</b>	50	37	6"	-	-	-		436,0	420,0	366,4	339,1	274,1	160,9	Rp3	71,3
6BHE 32-31	3653200031	<b>9.565,00</b>	60	45	6"	-	-	-		464,3	438,6	383,6	355,8	289,4	173,6	Rp3	72,4
6BHE 32-32	3653200032	<b>10.678,00</b>	60	45	6"	-	-	-		478,5	451,9	395,2	366,4	297,7	177,9	Rp3	75,5
6BHE 32-33	3653200033	<b>11.008,00</b>	60	45	6"	-	-	-		492,5	465,2	406,7	376,9	305,9	182,1	Rp3	77,6
6BHE 32-34	3653200034	<b>11.202,00</b>	60	45	6"	-	-	-		513,0	491,5	418,1	387,3	314,0	186,2	Rp3	79,7
6BHE 32-35	3653200035	<b>11.852,00</b>	60	45	6"	-	-	-		520,5	491,5	429,5	397,7	322,0	190,2	Rp3	81,8
6BHE 32-36	3653200036	<b>12.762,00</b>	60	45	6"	-	-	-		534,5	504,9	440,8	408,0	329,9	194,2	Rp3	85,1
6BHE 32-37	3653200037	<b>13.392,00</b>	60	45	6"	-	-	-		548,1	517,6	452,0	418,2	337,7	198,0	Rp3	87,2
6BHE 32-38	3653200038	<b>14.624,00</b>	75	55	8"	-	-	-		581,2	549,2	481,6	448,2	368,6	229,2	Rp3	92,3
6BHE 32-39	3653200039	<b>15.279,00</b>	75	55	8"	-	-	-		595,8	563,1	493,7	459,4	377,6	234,4	Rp3	94,5
6BHE 32-40	3653200040	<b>15.929,00</b>	75	55	8"	-	-	-		610,5	577,0	505,8	470,6	386,6	239,6	Rp3	96,6
6BHE 32-41	3653200041	<b>16.564,00</b>	75	55	8"	-	-	-		625,2	590,9	517,9	481,7	395,6	244,7	Rp3	97,6
6BHE 32-42	3653200042	<b>17.231,00</b>	75	55	8"	-	-	-		639,8	604,7	529,9	492,8	404,5	249,8	Rp3	98,7
6BHE 32-43	3653200043	<b>17.917,00</b>	75	55	8"	-	-	-		654,4	618,5	542,0	503,9	413,3	254,8	Rp3	99,8

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£

# 6BHE 48



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

													2 Poles							
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]				
			HP	kW	Motor	HP	kW	Motor	l/min	416,5	500	583,5	666,5	833,5			1000			
										m <sup>3</sup> /h	25	30	35	40			50	60		
													H=Total head [m]							
6BHE 48-2	3654800002	<b>1.282,00</b>	5,5	4	6"	4	3	4"		22,6	20,9	19,3	17,8	15,1	11,3	Rp3	13,5			
6BHE 48-3	3654800003	<b>1.477,00</b>	5,5	4	6"	5,5	4	4"		33,8	31,2	28,8	26,6	22,5	16,8	Rp3	16,2			
6BHE 48-4	3654800004	<b>1.717,00</b>	7,5	5,5	6"	7,5	5,5	4"		45,0	41,5	38,3	35,5	29,9	22,3	Rp3	18,8			
6BHE 48-5	3654800005	<b>1.957,00</b>	10	7,5	6"	10	7,5	4"		56,8	52,3	48,3	44,7	37,8	28,4	Rp3	21,4			
6BHE 48-6	3654800006	<b>2.232,00</b>	12,5	9,3	6"	-	-	-		70,0	65,2	60,4	55,5	46,0	35,7	Rp3	24,0			
6BHE 48-7	3654800007	<b>2.448,00</b>	12,5	9,3	6"	-	-	-		80,4	74,8	69,3	63,5	52,7	40,5	Rp3	26,6			
6BHE 48-8	3654800008	<b>2.805,00</b>	15	11	6"	-	-	-		91,6	85,1	78,9	72,2	59,9	46,0	Rp3	29,2			
6BHE 48-9	3654800009	<b>2.960,00</b>	20	15	6"	-	-	-		105,5	98,2	91,0	83,7	69,5	54,1	Rp3	31,8			
6BHE 48-10	3654800010	<b>3.205,00</b>	20	15	6"	-	-	-		116,1	108	100,1	91,9	76,2	59,0	Rp3	34,4			
6BHE 48-11	3654800011	<b>3.536,00</b>	20	15	6"	-	-	-		126,5	117,6	109,0	99,9	82,8	63,7	Rp3	37,0			
6BHE 48-12	3654800012	<b>3.670,00</b>	25	18,5	6"	-	-	-		140,0	130,3	120,8	110,9	92,0	71,4	Rp3	39,6			
6BHE 48-13	3654800013	<b>3.931,00</b>	25	18,5	6"	-	-	-		150,5	140,0	129,8	119,0	98,7	76,3	Rp3	42,2			
6BHE 48-14	3654800014	<b>4.106,00</b>	25	18,5	6"	-	-	-		160,9	149,5	138,7	127,0	105,3	81,0	Rp3	44,8			
6BHE 48-15	3654800015	<b>4.364,00</b>	30	22	6"	-	-	-		174,1	161,9	150,1	137,7	114,3	88,4	Rp3	47,4			
6BHE 48-16	3654800016	<b>4.684,00</b>	30	22	6"	-	-	-		184,5	171,5	159,1	145,8	120,9	93,2	Rp3	50,1			
6BHE 48-17	3654800017	<b>4.781,00</b>	30	22	6"	-	-	-		194,7	181,0	167,8	153,6	127,3	97,8	Rp3	52,7			
6BHE 48-18	3654800018	<b>4.936,00</b>	40	30	6"	-	-	-		212,3	197,6	183,1	168,6	139,9	109,2	Rp3	55,3			
6BHE 48-19	3654800019	<b>5.139,00</b>	40	30	6"	-	-	-		223,1	207,7	192,5	177,0	146,9	114,4	Rp3	57,9			
6BHE 48-20	3654800020	<b>5.295,00</b>	40	30	6"	-	-	-		233,8	217,6	201,7	185,3	153,7	119,5	Rp3	60,5			
6BHE 48-21	3654800021	<b>5.448,00</b>	40	30	6"	-	-	-		244,4	227,4	210,8	193,5	160,5	124,4	Rp3	63,1			
6BHE 48-22	3654800022	<b>5.645,00</b>	40	30	6"	-	-	-		254,9	237,0	219,8	201,6	167,2	129,3	Rp3	65,7			
6BHE 48-23	3654800023	<b>5.771,00</b>	40	30	6"	-	-	-		265,2	246,6	228,6	209,5	173,8	134,0	Rp3	68,3			
6BHE 48-24	3654800024	<b>6.004,00</b>	50	37	6"	-	-	-		279,8	260,3	241,3	221,6	183,8	142,6	Rp3	70,9			
6BHE 48-25	3654800025	<b>6.978,00</b>	50	37	6"	-	-	-		290,3	270,0	250,3	229,7	190,6	147,5	Rp3	73,5			
6BHE 48-26	3654800026	<b>8.029,00</b>	50	37	6"	-	-	-		300,7	279,6	259,3	237,8	197,2	152,3	Rp3	76,1			
6BHE 48-27	3654800027	<b>9.710,00</b>	50	37	6"	-	-	-		311,1	289,2	268,2	245,7	203,7	157,0	Rp3	79,3			
6BHE 48-28	3654800028	<b>10.120,00</b>	50	37	6"	-	-	-		321,3	298,6	276,9	253,6	210,2	161,7	Rp3	82,0			
6BHE 48-29	3654800029	<b>10.752,00</b>	60	45	6"	-	-	-		338,7	315,1	292,1	268,3	222,6	172,9	Rp3	84,6			
6BHE 48-30	3654800030	<b>11.061,00</b>	60	45	6"	-	-	-		349,2	324,9	301,1	276,5	229,4	177,8	Rp3	87,2			
6BHE 48-31	3654800031	<b>11.611,00</b>	60	45	6"	-	-	-		359,6	334,5	310,1	284,5	236,0	182,6	Rp3	89,8			
6BHE 48-32	3654800032	<b>11.933,00</b>	60	45	6"	-	-	-		370,0	344,1	319,0	292,5	242,6	187,4	Rp3	92,4			
6BHE 48-33	3654800033	<b>12.259,00</b>	60	45	6"	-	-	-		380,3	353,5	327,8	300,4	249,1	192,0	Rp3	95,0			
6BHE 48-34	3654800034	<b>13.718,00</b>	75	55	8"	-	-	-		410,9	383,1	354,8	328,0	271,9	215,7	Rp3	100,8			
6BHE 48-35	3654800035	<b>14.334,00</b>	75	55	8"	-	-	-		422,3	393,7	364,6	337,0	279,4	221,4	Rp3	103,5			
6BHE 48-36	3654800036	<b>15.079,00</b>	75	55	8"	-	-	-		433,7	404,3	374,4	345,9	286,8	227,0	Rp3	106,1			
6BHE 48-37	3654800037	<b>15.819,00</b>	75	55	8"	5	3,7	4"		445,0	414,8	384,1	354,8	294,2	233,6	Rp3	108,7			
6BHE 48-38	3654800038	<b>16.567,00</b>	75	55	8"	7,5	5,5	4"		456,3	425,3	393,8	363,7	301,6	238,2	Rp3	111,3			
6BHE 48-39	3654800039	<b>17.310,00</b>	75	55	8"	10	7,5	4"		467,5	435,7	403,5	372,5	308,9	243,8	Rp3	114,0			
6BHE 48-40	3654800040	<b>18.047,00</b>	75	55	8"	-	-	-		478,7	446,1	413,1	381,3	316,2	249,3	Rp3	116,6			

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00€



# 6BHE 64



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	H=Total head [m]							
										666,5	750	833,5	1000	1166,5			1250
m <sup>3</sup> /h	40	45	50	60	70	75											
6BHE 64-2	3656400002	<b>1.384,00</b>	5,5	4	6"	5	3,7	4"		21,1	19,0	17,3	15,7	13,9	12,4	Rp3	13,6
6BHE 64-3	3656400003	<b>1.631,00</b>	7,5	5,5	6"	7,5	5,5	4"		31,8	28,8	26,2	23,7	21,0	18,9	Rp3	16,2
6BHE 64-4	3656400004	<b>1.912,00</b>	10	7,5	6"	10	7,5	4"		42,5	38,4	35,0	31,6	28,0	25,2	Rp3	18,8
6BHE 64-5	3656400005	<b>2.211,00</b>	12,5	9,3	6"	-	-	-		53,8	48,7	44,3	40,1	35,6	32,2	Rp3	21,4
6BHE 64-6	3656400006	<b>2.476,00</b>	15	11	6"	-	-	-		64,0	57,9	52,7	47,7	42,3	38,1	Rp3	24,0
6BHE 64-7	3656400007	<b>2.515,00</b>	20	15	6"	-	-	-		76,2	70,1	65,2	58,6	52,1	46,1	Rp3	26,7
6BHE 64-8	3656400008	<b>2.901,00</b>	20	15	6"	-	-	-		86,0	79,1	73,5	66,1	58,5	51,6	Rp3	29,3
6BHE 64-9	3656400009	<b>3.172,00</b>	20	15	6"	-	-	-		95,5	87,8	81,5	73,4	64,6	56,8	Rp3	31,9
6BHE 64-10	3656400010	<b>3.412,00</b>	25	18,5	6"	-	-	-		107,6	99,0	91,9	82,7	73,2	64,6	Rp3	34,5
6BHE 64-11	3656400011	<b>3.715,00</b>	25	18,5	6"	-	-	-		117,2	107,8	100,1	90,0	79,4	69,8	Rp3	37,1
6BHE 64-12	3656400012	<b>3.924,00</b>	30	22	6"	-	-	-		128,9	118,5	110,1	99,1	87,6	77,3	Rp3	39,7
6BHE 64-13	3656400013	<b>4.403,00</b>	30	22	6"	-	-	-		138,5	127,3	118,2	106,4	93,8	82,5	Rp3	42,3
6BHE 64-14	3656400014	<b>4.418,00</b>	40	30	6"	-	-	-		153,3	141,0	131,1	118,0	104,9	93,0	Rp3	44,9
6BHE 64-15	3656400015	<b>4.728,00</b>	40	30	6"	-	-	-		163,4	150,2	139,6	125,7	111,5	98,7	Rp3	47,5
6BHE 64-16	3656400016	<b>4.999,00</b>	40	30	6"	-	-	-		173,3	159,3	148,0	133,2	118,1	104,3	Rp3	50,2
6BHE 64-17	3656400017	<b>5.207,00</b>	40	30	6"	-	-	-		183,0	168,3	156,3	140,7	124,4	109,8	Rp3	52,8
6BHE 64-18	3656400018	<b>5.442,00</b>	50	37	6"	-	-	-		195,5	179,8	167,0	150,3	133,3	117,9	Rp3	55,4
6BHE 64-19	3656400019	<b>5.607,00</b>	50	37	6"	-	-	-		205,3	188,8	175,4	157,9	139,8	123,5	Rp3	58,0
6BHE 64-20	3656400020	<b>5.925,00</b>	50	37	6"	-	-	-		215,0	197,7	183,7	165,3	146,2	128,9	Rp3	60,7
6BHE 64-21	3656400021	<b>6.112,00</b>	50	37	6"	-	-	-		224,6	206,5	191,8	172,6	152,4	134,2	Rp3	63,3
6BHE 64-22	3656400022	<b>6.294,00</b>	60	45	6"	-	-	-		239,2	219,9	204,4	183,9	163,2	144,3	Rp3	65,9
6BHE 64-23	3656400023	<b>7.714,00</b>	60	45	6"	-	-	-		249,0	229,0	212,7	191,4	169,6	149,8	Rp3	68,5
6BHE 64-24	3656400024	<b>8.565,00</b>	60	45	6"	-	-	-		258,7	237,9	221,0	198,9	176,0	155,3	Rp3	71,1
6BHE 64-25	3656400025	<b>9.407,00</b>	60	45	6"	-	-	-		268,4	246,7	229,2	206,2	182,2	160,6	Rp3	73,7
6BHE 64-26	3656400026	<b>10.450,00</b>	60	45	6"	-	-	-		277,9	255,5	237,3	213,5	188,3	165,8	Rp3	76,3
6BHE 64-27	3656400027	<b>10.864,00</b>	75	55	8"	-	-	-		303,0	278,8	259,3	233,4	208,5	186,4	Rp3	82,6
6BHE 64-28	3656400028	<b>11.356,00</b>	75	55	8"	-	-	-		313,5	288,5	268,3	241,5	215,7	192,6	Rp3	85,3
6BHE 64-29	3656400029	<b>11.819,00</b>	75	55	8"	-	-	-		324,0	298,1	277,2	249,5	222,8	198,8	Rp3	87,9
6BHE 64-30	3656400030	<b>12.411,00</b>	75	55	8"	-	-	-		334,5	307,7	286,1	257,6	229,8	204,9	Rp3	90,5
6BHE 64-31	3656400031	<b>14.123,00</b>	75	55	8"	-	-	-		344,9	317,3	295,0	265,5	236,8	211,0	Rp3	93,2

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£

# 6BHEL



## 6" borehole centrifugal pumps in AISI 316 (hydraulic only)

6" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design,  
corrosion  
resistant



Suitable for  
horizontal  
operation

### Technical data

<b>Max. immersion</b>	350 m water filled motor 150 m oil filled motor
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<b>Max. temperature of the liquid</b>	-5°C ÷ +60°C
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<b>Max. sand content</b>	100 gr/m <sup>3</sup>
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<b>Poles</b>	2
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<b>Insulation class</b>	F (4"-6" OY), (6"-8" WY) B (4" WY)
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<b>Protection degree</b>	IP58 (OY) IP68 (WY)
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<b>Voltage</b>	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY
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### Materials

<b>External casing</b>	AISI 316
<b>Impeller</b>	AISI 316
<b>Shaft</b>	AISI 316 + AISI 329
<b>Discharge casing</b>	AISI 316
<b>Motor connection</b>	AISI 316

### Accessories



**Capacitors**  
Page 377 - **Capacitors 450V**



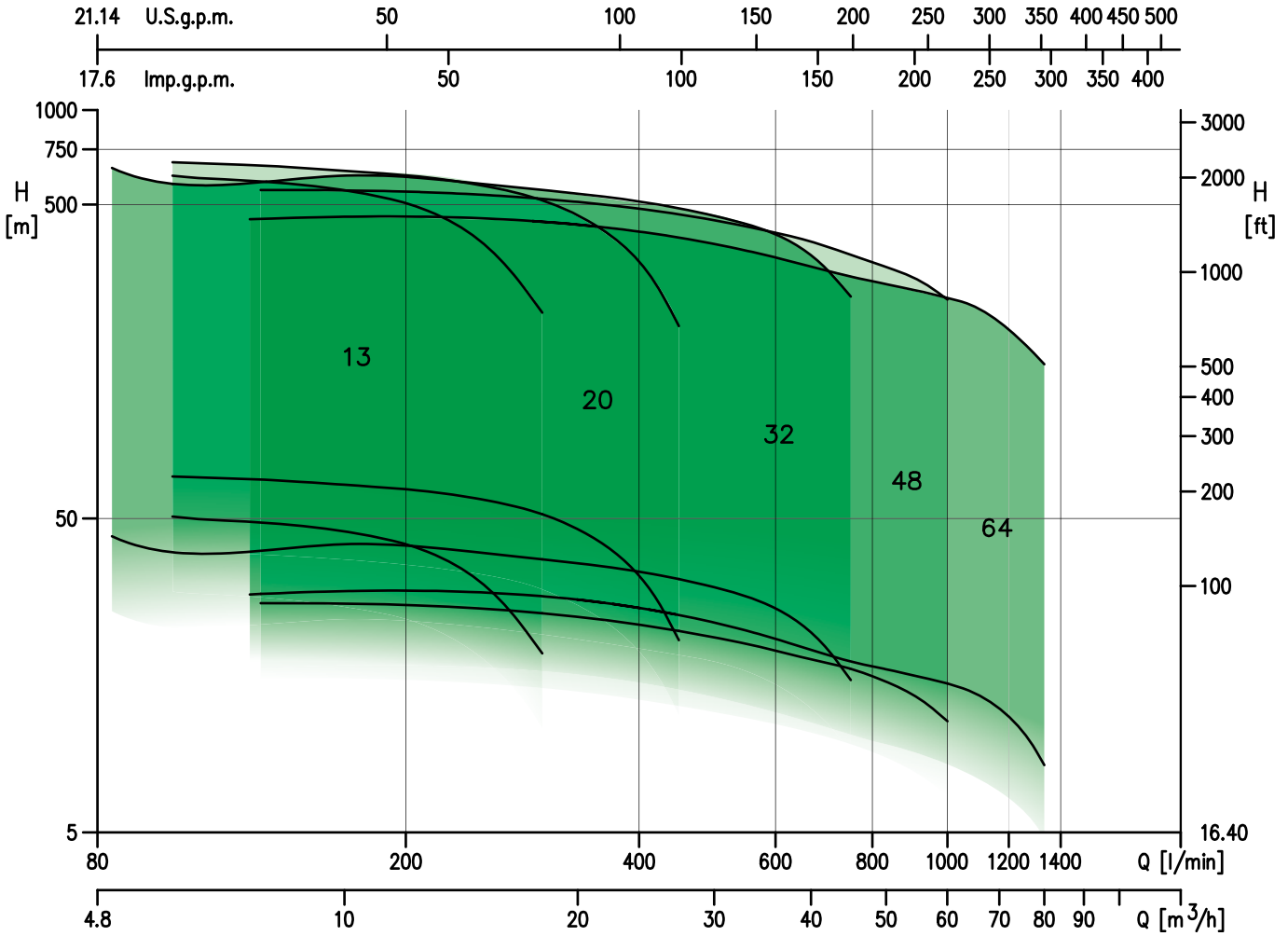
**Control panels and Control systems**  
Page 363 - **Presscomfort/Servopress**  
Pressure regulator  
Page 362 - **E-power**  
Variable speed control systems  
Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
1EP-E - Smart



**Floats**  
Page 377 - **5/10 m key floats with counterweight**

# 6BHEL

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



# 6BHEL 13

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



Borehole

													2 Poles				
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
									m³/h	6	8	10	12	15	18		
									H=Total head [m]								
6BHEL 13-5*	3651303005	<b>1.300,00</b>	5,5	4	6"	3	2,2	4"		50,7	48,4	45,4	41,4	31,3	18,6	Rp2½	11,5
6BHEL 13-6*	3651303006	<b>1.366,00</b>	5,5	4	6"	5	3,7	4"		60,8	58,1	54,5	49,7	37,5	22,3	Rp2½	13,0
6BHEL 13-7*	3651303007	<b>1.395,00</b>	5,5	4	6"	5	3,7	4"		71,0	67,8	63,6	58,0	43,8	26,0	Rp2½	13,0
6BHEL 13-8*	3651303008	<b>1.456,00</b>	5,5	4	6"	5	3,7	4"		81,1	77,5	72,7	66,3	50,0	29,7	Rp2½	14,0
6BHEL 13-9*	3651303009	<b>1.533,00</b>	7,5	5,5	6"	7,5	5,5	4"		91,2	87,2	81,8	74,6	56,3	33,4	Rp2½	14,5
6BHEL 13-10*	3651303010	<b>1.568,00</b>	7,5	5,5	6"	7,5	5,5	4"		101,4	96,9	90,9	82,9	62,5	37,1	Rp2½	15,0
6BHEL 13-11*	3651303011	<b>1.660,00</b>	7,5	5,5	6"	7,5	5,5	4"		111,5	106,6	100,0	91,2	68,8	40,8	Rp2½	16,0
6BHEL 13-12*	3651303012	<b>1.718,00</b>	7,5	5,5	6"	7,5	5,5	4"		121,7	116,3	109,1	99,5	75,0	44,6	Rp2½	16,8
6BHEL 13-13*	3651303013	<b>1.776,00</b>	7,5	5,5	6"	7,5	5,5	4"		131,8	125,9	118,1	107,7	81,3	48,3	Rp2½	17,5
6BHEL 13-14*	3651303014	<b>1.868,00</b>	10	7,5	6"	10	7,5	4"		141,9	135,6	127,2	116,0	87,5	52,0	Rp2½	18,5
6BHEL 13-15*	3651303015	<b>1.909,00</b>	10	7,5	6"	10	7,5	4"		152,1	145,3	136,3	124,3	93,8	55,7	Rp2½	19,2
6BHEL 13-16*	3651303016	<b>1.947,00</b>	10	7,5	6"	10	7,5	4"		162,2	155,0	145,4	132,6	100,0	59,4	Rp2½	19,8
6BHEL 13-17*	3651303017	<b>1.975,00</b>	10	7,5	6"	10	7,5	4"		172,3	164,7	154,5	140,9	106,3	63,1	Rp2½	20,5
6BHEL 13-18*	3651303018	<b>2.075,00</b>	12,5	9,3	6"	-	-	-		182,5	174,4	163,6	149,2	112,5	66,8	Rp2½	21,3
6BHEL 13-19*	3651303019	<b>2.110,00</b>	12,5	9,3	6"	-	-	-		192,6	184,1	172,7	157,5	118,8	70,5	Rp2½	22,0
6BHEL 13-20*	3651303020	<b>2.228,00</b>	12,5	9,3	6"	-	-	-		202,8	193,8	181,8	165,8	125,0	74,3	Rp2½	23,0
6BHEL 13-21*	3651303021	<b>2.248,00</b>	12,5	9,3	6"	-	-	-		212,9	203,4	190,8	174,0	131,3	78,0	Rp2½	23,5
6BHEL 13-22*	3651303022	<b>2.285,00</b>	12,5	9,3	6"	-	-	-		223,0	213,1	199,9	182,3	137,5	81,7	Rp2½	24,0
6BHEL 13-23*	3651303023	<b>2.292,00</b>	15	11	6"	-	-	-		233,2	222,8	209,0	190,6	143,8	85,4	Rp2½	25,0
6BHEL 13-24*	3651303024	<b>2.346,00</b>	15	11	6"	-	-	-		243,3	232,5	218,1	198,9	150,0	89,1	Rp2½	25,5
6BHEL 13-25*	3651303025	<b>2.458,00</b>	15	11	6"	-	-	-		253,4	242,2	227,2	207,2	156,3	92,8	Rp2½	26,5
6BHEL 13-26*	3651303026	<b>2.571,00</b>	15	11	6"	-	-	-		263,6	251,9	236,3	215,5	162,5	96,5	Rp2½	27,0
6BHEL 13-27*	3651303027	<b>2.642,00</b>	20	15	6"	-	-	-		273,7	261,6	245,4	223,8	168,8	100,2	Rp2½	29,0
6BHEL 13-28*	3651303028	<b>2.718,00</b>	20	15	6"	-	-	-		283,9	271,3	254,5	232,1	175,0	104,0	Rp2½	29,0
6BHEL 13-29*	3651303029	<b>2.847,00</b>	20	15	6"	-	-	-		294,0	280,9	263,5	240,3	181,3	107,7	Rp2½	30,5
6BHEL 13-30*	3651303030	<b>2.864,00</b>	20	15	6"	-	-	-		304,1	290,6	272,6	248,6	187,5	111,4	Rp2½	30,8
6BHEL 13-31*	3651303031	<b>2.878,00</b>	20	15	6"	-	-	-		314,3	300,3	281,7	256,9	193,8	115,1	Rp2½	31,0
6BHEL 13-32*	3651303032	<b>2.983,00</b>	20	15	6"	-	-	-		324,4	310,0	290,8	265,2	200,0	118,8	Rp2½	31,5
6BHEL 13-33*	3651303033	<b>3.065,00</b>	20	15	6"	-	-	-		334,5	319,7	299,9	273,5	206,3	122,5	Rp2½	32,5
6BHEL 13-34*	3651303034	<b>3.286,00</b>	20	15	6"	-	-	-		344,7	329,4	309,0	281,8	212,5	126,2	Rp2½	33,5
6BHEL 13-35*	3651303035	<b>3.400,00</b>	20	15	6"	-	-	-		354,8	339,1	318,1	290,1	218,8	129,9	Rp2½	34,0
6BHEL 13-36*	3651303036	<b>3.448,00</b>	20	15	6"	-	-	-		365,0	348,8	327,2	298,4	225,0	133,7	Rp2½	34,5
6BHEL 13-37*	3651303037	<b>3.508,00</b>	25	18,5	6"	-	-	-		375,1	358,4	336,2	306,6	231,3	137,4	Rp2½	35,3
6BHEL 13-38*	3651303038	<b>3.591,00</b>	25	18,5	6"	-	-	-		385,2	368,1	345,3	314,9	237,5	141,1	Rp2½	36,0
6BHEL 13-39*	3651303039	<b>3.643,00</b>	25	18,5	6"	-	-	-		395,4	377,8	354,4	323,2	243,8	144,8	Rp2½	37,3
6BHEL 13-40*	3651303040	<b>3.771,00</b>	25	18,5	6"	-	-	-		405,5	387,5	363,5	331,5	250,0	148,5	Rp2½	38,5
6BHEL 13-41*	3651303041	<b>3.804,00</b>	25	18,5	6"	-	-	-		415,6	397,2	372,6	339,8	256,3	152,2	Rp2½	38,8
6BHEL 13-42*	3651303042	<b>3.842,00</b>	25	18,5	6"	-	-	-		425,8	406,9	381,7	348,1	262,5	155,9	Rp2½	39,0
6BHEL 13-43*	3651303043	<b>4.185,00</b>	25	18,5	6"	-	-	-		435,9	416,6	390,8	356,4	268,8	159,6	Rp2½	39,8
6BHEL 13-44*	3651303044	<b>5.236,00</b>	25	18,5	6"	-	-	-		446,1	426,3	399,9	364,7	275,0	163,4	Rp2½	40,5
6BHEL 13-45*	3651303045	<b>5.321,00</b>	30	22	6"	-	-	-		456,2	435,9	408,9	372,9	281,3	167,1	Rp2½	41,3
6BHEL 13-46*	3651303046	<b>5.437,00</b>	30	22	6"	-	-	-		466,3	445,6	418,0	381,2	287,5	170,8	Rp2½	42,0
6BHEL 13-47*	3651303047	<b>5.495,00</b>	30	22	6"	-	-	-		476,5	455,3	427,1	389,5	293,8	174,5	Rp2½	43,0
6BHEL 13-48*	3651303048	<b>5.585,00</b>	30	22	6"	-	-	-		486,6	465,0	436,2	397,8	300,0	178,2	Rp2½	44,0
6BHEL 13-49*	3651303049	<b>5.657,00</b>	30	22	6"	-	-	-		496,7	474,7	445,3	406,1	306,3	181,9	Rp2½	45,0
6BHEL 13-50*	3651303050	<b>5.894,00</b>	30	22	6"	-	-	-		506,9	484,4	454,4	414,4	312,5	185,6	Rp2½	46,0
6BHEL 13-51*	3651303051	<b>6.112,00</b>	30	22	6"	-	-	-		517,0	494,1	463,5	422,7	318,8	189,3	Rp2½	47,0

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)

Price increase for double output cable cover: 94,00€

# 6BHEL 13

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
									m <sup>3</sup> /h	6	8	10	12	15			18
H=Total head [m]																	
6BHEL 13-52*	3651303052	<b>6.334,00</b>	30	22	6"	-	-	-		527,2	503,8	472,6	431,0	325,0	193,1	Rp2½	48,0
6BHEL 13-53*	3651303053	<b>6.453,00</b>	40	30	6"	-	-	-		537,3	513,4	481,6	439,2	331,3	196,8	Rp2½	48,8
6BHEL 13-54*	3651303054	<b>6.575,00</b>	40	30	6"	-	-	-		547,4	523,1	490,7	447,5	337,5	200,5	Rp2½	49,7
6BHEL 13-55*	3651303055	<b>6.579,00</b>	40	30	6"	-	-	-		557,6	532,8	499,8	455,8	343,8	204,2	Rp2½	50,5
6BHEL 13-56*	3651303056	<b>6.989,00</b>	40	30	6"	-	-	-		567,7	542,5	508,9	464,1	350,0	207,9	Rp2½	51,3
6BHEL 13-57*	3651303057	<b>7.288,00</b>	40	30	6"	-	-	-		577,8	552,2	518,0	472,4	356,3	211,6	Rp2½	52,2
6BHEL 13-58*	3651303058	<b>7.595,00</b>	40	30	6"	-	-	-		588,0	561,9	527,1	480,7	362,5	215,3	Rp2½	53,0
6BHEL 13-59*	3651303059	<b>7.925,00</b>	40	30	6"	-	-	-		598,1	571,6	536,2	489,0	368,8	219,0	Rp2½	54,0
6BHEL 13-60*	3651303060	<b>8.262,00</b>	40	30	6"	-	-	-		608,3	581,3	545,3	497,3	375,0	222,8	Rp2½	55,0
6BHEL 13-61*	3651303061	<b>8.620,00</b>	40	30	6"	-	-	-		618,4	590,9	554,3	505,5	381,3	226,5	Rp2½	56,0

\* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)

Price increase for double output cable cover: 94,00£

# 6BHEL 20

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
			HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350	450		
										m <sup>3</sup> /h	6	10	12	15	21		
									H=Total head [m]								
6BHEL 20-6	3652063006	<b>1.406,00</b>	5,5	4	6"	5	3,7	4"		68,0	64,0	62,0	57,6	43,2	20,5	Rp2½	12,5
6BHEL 20-7	3652003007	<b>1.491,00</b>	7,5	5,5	6"	7,5	5,5	4"		79,0	74,7	72,3	67,2	50,4	23,9	Rp2½	13,5
6BHEL 20-8	3652003008	<b>1.605,00</b>	7,5	5,5	6"	7,5	5,5	4"		90,9	85,3	82,7	76,8	57,6	27,4	Rp2½	14,3
6BHEL 20-9	3652063009	<b>1.655,00</b>	7,5	5,5	6"	7,5	5,5	4"		102,0	96,0	93,0	86,4	64,8	30,8	Rp2½	15,0
6BHEL 20-10	3652003010	<b>1.750,00</b>	10	7,5	6"	10	7,5	4"		113,7	106,7	103,3	96,0	72,0	34,2	Rp2½	16,0
6BHEL 20-11	3652003011	<b>1.806,00</b>	10	7,5	6"	10	7,5	4"		125,0	117,3	113,7	105,6	79,2	37,6	Rp2½	17,0
6BHEL 20-12	3652003012	<b>1.823,00</b>	10	7,5	6"	10	7,5	4"		136,0	128,0	124,0	115,2	86,4	41,0	Rp2½	17,5
6BHEL 20-13	3652003013	<b>2.028,00</b>	12,5	9,3	6"	-	-	-		147,1	138,7	134,3	124,8	93,6	44,5	Rp2½	18,5
6BHEL 20-14	3652003014	<b>2.042,00</b>	12,5	9,3	6"	-	-	-		157,0	149,3	144,7	134,4	100,8	47,9	Rp2½	19,3
6BHEL 20-15	3652003015	<b>2.093,00</b>	12,5	9,3	6"	-	-	-		170,5	160,0	155,0	144,0	108,0	51,3	Rp2½	20,0
6BHEL 20-16	3652003016	<b>2.217,00</b>	15	11	6"	-	-	-		181,9	170,7	165,3	153,6	115,2	54,7	Rp2½	21,0
6BHEL 20-17	3652003017	<b>2.285,00</b>	15	11	6"	-	-	-		193,2	181,3	175,7	163,2	122,4	58,1	Rp2½	22,0
6BHEL 20-18	3652003018	<b>2.336,00</b>	15	11	6"	-	-	-		204,6	192,0	186,0	172,8	129,6	61,6	Rp2½	22,5
6BHEL 20-19	3652003019	<b>2.483,00</b>	20	15	6"	-	-	-		216,0	202,7	196,3	182,4	136,8	65,0	Rp2½	23,5
6BHEL 20-20	3652003020	<b>2.561,00</b>	20	15	6"	-	-	-		227,3	213,3	206,7	192,0	144,0	68,4	Rp2½	24,0
6BHEL 20-21	3652003021	<b>2.644,00</b>	20	15	6"	-	-	-		238,7	224,0	217,0	201,6	151,2	71,8	Rp2½	25,0
6BHEL 20-22	3652003022	<b>2.734,00</b>	20	15	6"	-	-	-		250,0	234,7	227,3	211,2	158,4	75,2	Rp2½	26,0
6BHEL 20-23	3652003023	<b>2.871,00</b>	20	15	6"	-	-	-		261,4	245,3	237,7	220,8	165,6	78,7	Rp2½	26,5
6BHEL 20-24	3652003024	<b>2.937,00</b>	20	15	6"	-	-	-		272,8	256,0	248,0	230,4	172,8	82,1	Rp2½	27,5
6BHEL 20-25	3652003025	<b>3.093,00</b>	25	18,5	6"	-	-	-		284,2	266,7	258,3	240,0	180,0	85,5	Rp2½	28,3
6BHEL 20-26	3652003026	<b>3.256,00</b>	25	18,5	6"	-	-	-		295,5	277,3	268,7	249,6	187,2	88,9	Rp2½	29,0
6BHEL 20-27	3652003027	<b>3.305,00</b>	25	18,5	6"	-	-	-		306,0	288,0	279,0	259,2	194,4	92,3	Rp2½	31,0
6BHEL 20-28	3652003028	<b>3.345,00</b>	25	18,5	6"	-	-	-		318,3	298,7	289,3	268,8	201,6	95,8	Rp2½	31,0
6BHEL 20-29	3652003029	<b>3.537,00</b>	25	18,5	6"	-	-	-		329,6	309,3	299,7	278,4	208,8	99,2	Rp2½	31,5
6BHEL 20-30	3652003030	<b>3.714,00</b>	25	18,5	6"	-	-	-		341,0	320,0	310,0	288,0	216,0	102,6	Rp2½	32,5
6BHEL 20-31	3652003031	<b>3.833,00</b>	30	22	6"	-	-	-		352,4	330,7	320,3	297,6	223,2	106,0	Rp2½	33,3
6BHEL 20-32	3652003032	<b>3.910,00</b>	30	22	6"	-	-	-		363,7	341,3	330,7	307,2	230,4	109,4	Rp2½	34,0
6BHEL 20-33	3652003033	<b>4.091,00</b>	30	22	6"	-	-	-		375,1	352,0	341,0	316,8	237,6	112,9	Rp2½	35,0
6BHEL 20-34	3652003034	<b>4.238,00</b>	30	22	6"	-	-	-		386,5	362,7	351,3	326,4	244,8	116,3	Rp2½	35,7
6BHEL 20-35	3652003035	<b>4.254,00</b>	30	22	6"	-	-	-		397,8	373,3	361,7	336,0	252,0	119,7	Rp2½	36,3
6BHEL 20-36	3652003036	<b>4.415,00</b>	30	22	6"	-	-	-		409,2	384,0	372,0	345,6	259,2	123,1	Rp2½	37,0
6BHEL 20-37	3652003037	<b>4.598,00</b>	40	30	6"	-	-	-		420,6	394,7	382,3	355,2	266,4	126,5	Rp2½	38,4
6BHEL 20-38	3652003038	<b>4.719,00</b>	40	30	6"	-	-	-		431,9	405,3	392,7	364,8	273,6	130,0	Rp2½	39,8
6BHEL 20-39	3652003039	<b>4.754,00</b>	40	30	6"	-	-	-		443,0	416,0	403,0	374,4	280,8	133,4	Rp2½	40,0
6BHEL 20-40	3652003040	<b>4.848,00</b>	40	30	6"	-	-	-		455,0	426,7	413,3	384,0	288,0	136,8	Rp2½	40,5
6BHEL 20-41	3652003041	<b>4.959,00</b>	40	30	6"	-	-	-		466,0	437,3	423,7	393,6	295,2	140,2	Rp2½	41,8
6BHEL 20-42	3652003042	<b>5.344,00</b>	40	30	6"	-	-	-		477,0	448,0	434,0	403,2	302,4	143,6	Rp2½	43,0

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£





# 6BHEL 20



6" borehole centrifugal pumps in AISI 316 (hydraulic only)

2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
			HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350			450
									m <sup>3</sup> /h	6	10	12	15	21	27		
									H=Total head [m]								
6BHEL 20-43	3652003043	<b>6.059,00</b>	40	30	6"	-	-	-	489,0	458,7	444,3	412,8	309,6	147,1	Rp2½	44,0	
6BHEL 20-44	3652003044	<b>6.677,00</b>	40	30	6"	-	-	-	500,0	469,3	454,7	422,4	316,8	150,5	Rp2½	45,0	
6BHEL 20-45	3652003045	<b>7.011,00</b>	40	30	6"	-	-	-	511,5	480,0	465,0	432,0	324,0	153,9	Rp2½	46,0	
6BHEL 20-46	3652003046	<b>7.190,00</b>	40	30	6"	-	-	-	523,0	490,7	475,3	441,6	331,2	157,3	Rp2½	47,0	
6BHEL 20-47	3652003047	<b>7.638,00</b>	40	30	6"	-	-	-	534,2	501,3	485,7	451,2	338,4	160,7	Rp2½	47,5	
6BHEL 20-48	3652003048	<b>7.924,00</b>	40	30	6"	-	-	-	545,6	512,0	496,0	460,8	345,6	164,2	Rp2½	48,0	
6BHEL 20-49	3652003049	<b>8.383,00</b>	40	30	6"	-	-	-	557,0	522,7	506,3	470,4	352,8	167,6	Rp2½	50,0	
6BHEL 20-50	3652003050	<b>8.597,00</b>	50	37	6"	-	-	-	568,3	533,3	516,7	480,0	360,0	171,0	Rp2½	51,0	
6BHEL 20-51	3652003051	<b>8.997,00</b>	50	37	6"	-	-	-	579,7	544,0	527,0	489,6	367,2	174,4	Rp2½	52,0	
6BHEL 20-52	3652003052	<b>9.213,00</b>	50	37	6"	-	-	-	591,1	554,7	537,3	499,2	374,4	177,8	Rp2½	53,0	
6BHEL 20-53	3652003053	<b>9.604,00</b>	50	37	6"	-	-	-	602,4	565,3	547,7	508,8	381,6	181,3	Rp2½	54,0	
6BHEL 20-54	3652003054	<b>9.805,00</b>	50	37	6"	-	-	-	613,8	576,0	558,0	518,4	388,8	184,7	Rp2½	55,0	
6BHEL 20-55	3652003055	<b>10.001,00</b>	50	37	6"	-	-	-	625,2	586,7	568,3	528,0	396,0	188,1	Rp2½	56,0	
6BHEL 20-56	3652003056	<b>10.192,00</b>	50	37	6"	-	-	-	636,5	597,3	578,7	537,6	403,2	191,5	Rp2½	57,0	
6BHEL 20-57	3652003057	<b>10.392,00</b>	50	37	6"	-	-	-	647,9	608,0	589,0	547,2	410,4	194,9	Rp2½	58,0	
6BHEL 20-58	3652003058	<b>10.587,00</b>	50	37	6"	-	-	-	659,3	618,7	599,3	556,8	417,6	198,4	Rp2½	59,0	
6BHEL 20-59	3652003059	<b>10.782,00</b>	50	37	6"	-	-	-	670,6	629,3	609,7	566,4	424,8	201,8	Rp2½	60,0	
6BHEL 20-60	3652003060	<b>10.968,00</b>	50	37	6"	-	-	-	682,0	640,0	620,0	576,0	432,0	205,2	Rp2½	61,0	

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
Price increase for double output cable cover: 94,00£

Borehole

# 6BHEL 32

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



															2 Poles		
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
			HP	kW	Motor	HP	kW	Motor	l/min	83,5	166,5	333,5	416,5	583,5	750		
									m <sup>3</sup> /h	5	10	20	25	35	45		
									H=Total head [m]								
6BHEL 32-3	3653203003	<b>1.635,00</b>	5,5	4	6"	5	3,7	4"		43,9	41,4	36,0	33,3	26,7	15,3	Rp3	14,7
6BHEL 32-4	3653203004	<b>1.901,00</b>	7,5	5,5	6"	7,5	5,5	4"		59,5	56,0	48,8	45,2	36,5	21,4	Rp3	16,8
6BHEL 32-5	3653203005	<b>2.164,00</b>	10	7,5	6"	10	7,5	4"		74,2	70,2	61,5	56,9	46,1	27,4	Rp3	18,9
6BHEL 32-6	3653203006	<b>2.466,00</b>	10	7,5	6"	10	7,5	4"		88,4	83,4	72,6	67,1	54,0	31,2	Rp3	21,0
6BHEL 32-7	3653203007	<b>2.706,00</b>	12,5	9,3	6"	-	-	-		104,2	98,4	86,0	79,7	64,6	38,4	Rp3	23,1
6BHEL 32-8	3653203008	<b>3.103,00</b>	15	11	6"	-	-	-		119,4	113,3	98,1	90,9	73,6	43,5	Rp3	25,4
6BHEL 32-9	3653203009	<b>3.274,00</b>	15	11	6"	-	-	-		132,7	125,3	109,3	101,1	81,4	47,3	Rp3	27,3
6BHEL 32-10	3653203010	<b>3.545,00</b>	20	15	6"	-	-	-		149,9	141,6	123,8	114,9	93,5	56,1	Rp3	29,4
6BHEL 32-11	3653203011	<b>3.898,00</b>	20	15	6"	-	-	-		163,9	154,8	135,3	125,4	101,7	60,4	Rp3	31,5
6BHEL 32-12	3653203012	<b>4.065,00</b>	20	15	6"	-	-	-		177,8	167,9	146,6	135,7	109,6	64,4	Rp3	33,6
6BHEL 32-13	3653203013	<b>4.347,00</b>	25	18,5	6"	-	-	-		194,0	183,7	160,6	148,9	121,1	72,4	Rp3	35,7
6BHEL 32-14	3653203014	<b>4.519,00</b>	25	18,5	6"	-	-	-		208,5	196,9	172,1	159,4	129,2	76,7	Rp3	37,8
6BHEL 32-15	3653203015	<b>4.795,00</b>	30	22	6"	-	-	-		224,6	212,2	185,5	172,1	140,0	84,0	Rp3	39,9
6BHEL 32-16	3653203016	<b>5.182,00</b>	30	22	6"	-	-	-		238,7	225,5	197,1	182,6	148,3	88,3	Rp3	42,0
6BHEL 32-17	3653203017	<b>5.287,00</b>	30	22	6"	-	-	-		252,6	238,5	208,4	193,0	156,4	92,5	Rp3	44,1
6BHEL 32-18	3653203018	<b>5.460,00</b>	30	22	6"	-	-	-		226,8	251,8	219,7	203,3	164,3	96,5	Rp3	46,1
6BHEL 32-19	3653203019	<b>5.671,00</b>	40	30	6"	-	-	-		286,0	270,5	236,8	219,9	179,7	109,1	Rp3	48,2
6BHEL 32-20	3653203020	<b>5.854,00</b>	40	30	6"	-	-	-		300,6	284,0	248,6	230,7	188,2	113,8	Rp3	50,3
6BHEL 32-21	3653203021	<b>6.024,00</b>	40	30	6"	-	-	-		315,0	297,4	260,2	241,5	196,7	118,3	Rp3	52,4
6BHEL 32-22	3653203022	<b>6.245,00</b>	40	30	6"	-	-	-		329,1	310,9	271,8	252,1	205,0	122,7	Rp3	54,5
6BHEL 32-23	3653203023	<b>6.382,00</b>	40	30	6"	-	-	-		343,2	324,1	283,4	262,6	213,2	127,0	Rp3	56,6
6BHEL 32-24	3653203024	<b>6.638,00</b>	40	30	6"	-	-	-		357,2	337,3	294,8	273,1	221,4	131,2	Rp3	58,7
6BHEL 32-25	3653203025	<b>7.715,00</b>	50	37	6"	-	-	-		374,5	353,8	309,4	287,0	233,5	140,1	Rp3	60,8
6BHEL 32-26	3653203026	<b>8.572,00</b>	50	37	6"	-	-	-		388,1	367,0	320,9	297,5	241,8	144,5	Rp3	62,9
6BHEL 32-27	3653203027	<b>9.131,00</b>	50	37	6"	-	-	-		402,6	380,3	332,4	308,1	250,0	148,8	Rp3	65,0
6BHEL 32-28	3653203028	<b>9.538,00</b>	50	37	6"	-	-	-		416,7	393,5	343,8	318,5	258,1	152,9	Rp3	67,2
6BHEL 32-29	3653203029	<b>10.221,00</b>	50	37	6"	-	-	-		430,5	406,5	355,2	328,9	266,2	157,0	Rp3	69,2
6BHEL 32-30	3653203030	<b>10.582,00</b>	50	37	6"	-	-	-		436,0	420,0	366,4	339,1	274,1	160,9	Rp3	71,3
6BHEL 32-31	3653203031	<b>10.997,00</b>	60	45	6"	-	-	-		464,3	438,6	383,6	355,8	289,4	173,6	Rp3	72,4
6BHEL 32-32	3653203032	<b>12.280,00</b>	60	45	6"	-	-	-		478,5	451,9	395,2	366,4	297,7	177,9	Rp3	75,5
6BHEL 32-33	3653203033	<b>12.656,00</b>	60	45	6"	-	-	-		492,5	465,2	406,7	376,9	305,9	182,1	Rp3	77,6
6BHEL 32-34	3653203034	<b>12.993,00</b>	60	45	6"	-	-	-		513,0	491,5	418,1	387,3	314,0	186,2	Rp3	79,7
6BHEL 32-35	3653203035	<b>13.630,00</b>	60	45	6"	-	-	-		520,5	491,5	429,5	397,7	322,0	190,2	Rp3	81,8
6BHEL 32-36	3653203036	<b>14.677,00</b>	60	45	6"	-	-	-		534,5	504,9	440,8	408,0	329,9	194,2	Rp3	85,1
6BHEL 32-37	3653203037	<b>15.744,00</b>	60	45	6"	-	-	-		548,1	517,6	452,0	418,2	337,7	198,0	Rp3	87,2
6BHEL 32-38	3653203038	<b>16.818,00</b>	75	55	8"	-	-	-		581,2	549,2	481,6	448,2	368,6	229,2	Rp3	92,3
6BHEL 32-39	3653203039	<b>17.570,00</b>	75	55	8"	-	-	-		595,8	563,1	493,7	459,4	377,6	234,4	Rp3	94,5
6BHEL 32-40	3653203040	<b>18.319,00</b>	75	55	8"	-	-	-		610,5	577,0	505,8	470,6	386,6	239,6	Rp3	96,6
6BHEL 32-41	3653203041	<b>19.050,00</b>	75	55	8"	-	-	-		625,2	590,9	517,9	481,7	395,6	244,7	Rp3	97,6
6BHEL 32-42	3653203042	<b>19.815,00</b>	75	55	8"	-	-	-		639,8	604,7	529,9	492,8	404,5	249,8	Rp3	98,7
6BHEL 32-43	3653203043	<b>20.605,00</b>	75	55	8"	-	-	-		654,4	618,5	542,0	503,9	413,3	254,8	Rp3	99,8

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£



# 6BHEL 48



6" borehole centrifugal pumps in AISI 316 (hydraulic only)

2 Poles																	
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
			HP	kW	Motor	HP	kW	Motor	l/min	416,5	500	583,5	666,5	833,5	1000		
										m³/h	25	30	35	40	50		
H=Total head [m]																	
6BHEL 48-2	3654803002	<b>1.475,00</b>	5,5	4	6"	4	3	4"		22,6	20,9	19,3	17,8	15,1	11,3	Rp3	13,5
6BHEL 48-3	3654803003	<b>1.700,00</b>	5,5	4	6"	5,5	4	4"		33,8	31,2	28,8	26,6	22,5	16,8	Rp3	16,2
6BHEL 48-4	3654803004	<b>1.975,00</b>	7,5	5,5	6"	7,5	5,5	4"		45,0	41,5	38,3	35,5	29,9	22,3	Rp3	18,8
6BHEL 48-5	3654803005	<b>2.251,00</b>	10	7,5	6"	10	7,5	4"		56,8	52,3	48,3	44,7	37,8	28,4	Rp3	21,4
6BHEL 48-6	3654803006	<b>2.568,00</b>	12,5	9,3	6"	-	-	-		70,0	65,2	60,4	55,5	46,0	35,7	Rp3	24,0
6BHEL 48-7	3654803007	<b>2.813,00</b>	12,5	9,3	6"	-	-	-		80,4	74,8	69,3	63,5	52,7	40,5	Rp3	26,6
6BHEL 48-8	3654803008	<b>3.228,00</b>	15	11	6"	-	-	-		91,6	85,1	78,9	72,2	59,9	46,0	Rp3	29,2
6BHEL 48-9	3654803009	<b>3.403,00</b>	20	15	6"	-	-	-		105,5	98,2	91,0	83,7	69,5	54,1	Rp3	31,8
6BHEL 48-10	3654803010	<b>3.686,00</b>	20	15	6"	-	-	-		116,1	108	100,1	91,9	76,2	59,0	Rp3	34,4
6BHEL 48-11	3654803011	<b>4.066,00</b>	20	15	6"	-	-	-		126,5	117,6	109,0	99,9	82,8	63,7	Rp3	37,0
6BHEL 48-12	3654803012	<b>4.221,00</b>	25	18,5	6"	-	-	-		140,0	130,3	120,8	110,9	92,0	71,4	Rp3	39,6
6BHEL 48-13	3654803013	<b>4.523,00</b>	25	18,5	6"	-	-	-		150,5	140,0	129,8	119,0	98,7	76,3	Rp3	42,2
6BHEL 48-14	3654803014	<b>4.722,00</b>	25	18,5	6"	-	-	-		160,9	149,5	138,7	127,0	105,3	81,0	Rp3	44,8
6BHEL 48-15	3654803015	<b>4.985,00</b>	30	22	6"	-	-	-		174,1	161,9	150,1	137,7	114,3	88,4	Rp3	47,4
6BHEL 48-16	3654803016	<b>5.389,00</b>	30	22	6"	-	-	-		184,5	171,5	159,1	145,8	120,9	93,2	Rp3	50,1
6BHEL 48-17	3654803017	<b>5.466,00</b>	30	22	6"	-	-	-		194,7	181,0	167,8	153,6	127,3	97,8	Rp3	52,7
6BHEL 48-18	3654803018	<b>5.676,00</b>	40	30	6"	-	-	-		212,3	197,6	183,1	168,6	139,9	109,2	Rp3	55,3
6BHEL 48-19	3654803019	<b>5.857,00</b>	40	30	6"	-	-	-		223,1	207,7	192,5	177,0	146,9	114,4	Rp3	57,9
6BHEL 48-20	3654803020	<b>6.089,00</b>	40	30	6"	-	-	-		233,8	217,6	201,7	185,3	153,7	119,5	Rp3	60,5
6BHEL 48-21	3654803021	<b>6.265,00</b>	40	30	6"	-	-	-		244,4	227,4	210,8	193,5	160,5	124,4	Rp3	63,1
6BHEL 48-22	3654803022	<b>6.493,00</b>	40	30	6"	-	-	-		254,9	237,0	219,8	201,6	167,2	129,3	Rp3	65,7
6BHEL 48-23	3654803023	<b>6.636,00</b>	40	30	6"	-	-	-		265,2	246,6	228,6	209,5	173,8	134,0	Rp3	68,3
6BHEL 48-24	3654803024	<b>6.904,00</b>	50	37	6"	-	-	-		279,8	260,3	241,3	221,6	183,8	142,6	Rp3	70,9
6BHEL 48-25	3654803025	<b>8.461,00</b>	50	37	6"	-	-	-		290,3	270,0	250,3	229,7	190,6	147,5	Rp3	73,5
6BHEL 48-26	3654803026	<b>9.232,00</b>	50	37	6"	-	-	-		300,7	279,6	259,3	237,8	197,2	152,3	Rp3	76,1
6BHEL 48-27	3654803027	<b>11.207,00</b>	50	37	6"	-	-	-		311,1	289,2	268,2	245,7	203,7	157,0	Rp3	79,3
6BHEL 48-28	3654803028	<b>11.638,00</b>	50	37	6"	-	-	-		321,3	298,6	276,9	253,6	210,2	161,7	Rp3	82,0
6BHEL 48-29	3654803029	<b>12.365,00</b>	60	45	6"	-	-	-		338,7	315,1	292,1	268,3	222,6	172,9	Rp3	84,6
6BHEL 48-30	3654803030	<b>12.770,00</b>	60	45	6"	-	-	-		349,2	324,9	301,1	276,5	229,4	177,8	Rp3	87,2
6BHEL 48-31	3654803031	<b>13.351,00</b>	60	45	6"	-	-	-		359,6	334,5	310,1	284,5	236,0	182,6	Rp3	89,8
6BHEL 48-32	3654803032	<b>13.722,00</b>	60	45	6"	-	-	-		370,0	344,1	319,0	292,5	242,6	187,4	Rp3	92,4
6BHEL 48-33	3654803033	<b>14.097,00</b>	60	45	6"	-	-	-		380,3	353,5	327,8	300,4	249,1	192,0	Rp3	95,0
6BHEL 48-34	3654803034	<b>15.776,00</b>	75	55	8"	-	-	-		410,9	383,1	354,8	328,0	271,9	215,7	Rp3	100,8
6BHEL 48-35	3654803035	<b>16.484,00</b>	75	55	8"	-	-	-		422,3	393,7	364,6	337,0	279,4	221,4	Rp3	103,5
6BHEL 48-36	3654803036	<b>17.340,00</b>	75	55	8"	-	-	-		433,7	404,3	374,4	345,9	286,8	227,0	Rp3	106,1
6BHEL 48-37	3654803037	<b>18.194,00</b>	75	55	8"	-	-	-		445,0	414,8	384,1	354,8	294,2	233,6	Rp3	108,7
6BHEL 48-38	3654803038	<b>19.053,00</b>	75	55	8"	-	-	-		456,3	425,3	393,8	363,7	301,6	238,2	Rp3	111,3
6BHEL 48-39	3654803039	<b>19.906,00</b>	75	55	8"	-	-	-		467,5	435,7	403,5	372,5	308,9	243,8	Rp3	114,0
6BHEL 48-40	3654803040	<b>20.753,00</b>	75	55	8"	-	-	-		478,7	446,1	413,1	381,3	316,2	249,3	Rp3	116,6

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)  
 Price increase for double output cable cover: 94,00£

# 6BHEL 64

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



													<b>2 Poles</b>							
Model	Code	£ Stg	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]				
			HP	kW	Motor	HP	kW	Motor	l/min	666,5	750	833,5	1000	1166,5			1250			
											m <sup>3</sup> /h	40	45	50			60	70	75	
													H=Total head [m]							
6BHEL 64-2	3656403002	<b>1.592,00</b>	5,5	4	6"	5	3,7	4"		21,1	19,0	17,3	15,7	13,9	12,4	Rp3	13,6			
6BHEL 64-3	3656403003	<b>1.848,00</b>	7,5	5,5	6"	7,5	5,5	4"		31,8	28,8	26,2	23,7	21,0	18,9	Rp3	16,2			
6BHEL 64-4	3656403004	<b>2.199,00</b>	10	7,5	6"	10	7,5	4"		42,5	38,4	35,0	31,6	28,0	25,2	Rp3	18,8			
6BHEL 64-5	3656403005	<b>2.544,00</b>	12,5	9,3	6"	-	-	-		53,8	48,7	44,3	40,1	35,6	32,2	Rp3	21,4			
6BHEL 64-6	3656403006	<b>2.846,00</b>	15	11	6"	-	-	-		64,0	57,9	52,7	47,7	42,3	38,1	Rp3	24,0			
6BHEL 64-7	3656403007	<b>3.019,00</b>	20	15	6"	-	-	-		76,2	70,1	65,2	58,6	52,1	46,1	Rp3	26,7			
6BHEL 64-8	3656403008	<b>3.336,00</b>	20	15	6"	-	-	-		86,0	79,1	73,5	66,1	58,5	51,6	Rp3	29,3			
6BHEL 64-9	3656403009	<b>3.647,00</b>	20	15	6"	-	-	-		95,5	87,8	81,5	73,4	64,6	56,8	Rp3	31,9			
6BHEL 64-10	3656403010	<b>3.923,00</b>	25	18,5	6"	-	-	-		107,6	99,0	91,9	82,7	73,2	64,6	Rp3	34,5			
6BHEL 64-11	3656403011	<b>4.272,00</b>	25	18,5	6"	-	-	-		117,2	107,8	100,1	90,0	79,4	69,8	Rp3	37,1			
6BHEL 64-12	3656403012	<b>4.512,00</b>	30	22	6"	-	-	-		128,9	118,5	110,1	99,1	87,6	77,3	Rp3	39,7			
6BHEL 64-13	3656403013	<b>4.940,00</b>	30	22	6"	-	-	-		138,5	127,3	118,2	106,4	93,8	82,5	Rp3	42,3			
6BHEL 64-14	3656403014	<b>5.081,00</b>	40	30	6"	-	-	-		153,3	141,0	131,1	118,0	104,9	93,0	Rp3	44,9			
6BHEL 64-15	3656403015	<b>5.463,00</b>	40	30	6"	-	-	-		163,4	150,2	139,6	125,7	111,5	98,7	Rp3	47,5			
6BHEL 64-16	3656403016	<b>5.750,00</b>	40	30	6"	-	-	-		173,3	159,3	148,0	133,2	118,1	104,3	Rp3	50,2			
6BHEL 64-17	3656403017	<b>5.988,00</b>	40	30	6"	-	-	-		183,0	168,3	156,3	140,7	124,4	109,8	Rp3	52,8			
6BHEL 64-18	3656403018	<b>6.258,00</b>	50	37	6"	-	-	-		195,5	179,8	167,0	150,3	133,3	117,9	Rp3	55,4			
6BHEL 64-19	3656403019	<b>6.448,00</b>	50	37	6"	-	-	-		205,3	188,8	175,4	157,9	139,8	123,5	Rp3	58,0			
6BHEL 64-20	3656403020	<b>6.813,00</b>	50	37	6"	-	-	-		215,0	197,7	183,7	165,3	146,2	128,9	Rp3	60,7			
6BHEL 64-21	3656403021	<b>7.029,00</b>	50	37	6"	-	-	-		224,6	206,5	191,8	172,6	152,4	134,2	Rp3	63,3			
6BHEL 64-22	3656403022	<b>7.237,00</b>	60	45	6"	-	-	-		239,2	219,9	204,4	183,9	163,2	144,3	Rp3	65,9			
6BHEL 64-23	3656403023	<b>8.871,00</b>	60	45	6"	-	-	-		249,0	229,0	212,7	191,4	169,6	149,8	Rp3	68,5			
6BHEL 64-24	3656403024	<b>9.851,00</b>	60	45	6"	-	-	-		258,7	237,9	221,0	198,9	176,0	155,3	Rp3	71,1			
6BHEL 64-25	3656403025	<b>10.818,00</b>	60	45	6"	-	-	-		268,4	246,7	229,2	206,2	182,2	160,6	Rp3	73,7			
6BHEL 64-26	3656403026	<b>12.018,00</b>	60	45	6"	-	-	-		277,9	255,5	237,3	213,5	188,3	165,8	Rp3	76,3			
6BHEL 64-27	3656403027	<b>12.543,00</b>	75	55	8"	-	-	-		303,0	278,8	259,3	233,4	208,5	186,4	Rp3	82,6			
6BHEL 64-28	3656403028	<b>13.083,00</b>	75	55	8"	-	-	-		313,5	288,5	268,3	241,5	215,7	192,6	Rp3	85,3			
6BHEL 64-29	3656403029	<b>13.591,00</b>	75	55	8"	-	-	-		324,0	298,1	277,2	249,5	222,8	198,8	Rp3	87,9			
6BHEL 64-30	3656403030	<b>14.260,00</b>	75	55	8"	-	-	-		334,5	307,7	286,1	257,6	229,8	204,9	Rp3	90,5			
6BHEL 64-31	3656403031	<b>14.963,00</b>	75	55	8"	-	-	-		344,9	317,3	295,0	265,5	236,8	211,0	Rp3	93,2			

\*\* Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 381)

Price increase for double output cable cover: 94,00£

# 8BHE



## 8" borehole centrifugal pumps in AISI 304 (hydraulic only)

8" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design,  
corrosion  
resistant



Suitable for  
horizontal  
operation



Available in  
AISI 316

## Materials

External casing	AISI 304
Impeller	AISI 316
Shaft	AISI 329
Discharge casing	AISI 304
Motor connection	AISI 304

## Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m <sup>3</sup>
Poles	2
Insulation class	F
Protection degree	IP58 (OY), IP68 (WY)
Voltage	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY

## Accessories



### Capacitors

Page 377 - **Capacitors 450V**



### Control panels and Control systems

Page 363 - **Presscomfort/Servopress**

Pressure regulator

Page 362 - **E-power**

Variable speed control systems

Page 360 - **E-drive**

Variable speed control systems

Page 364 - **Control panels**

Smart



### Floats

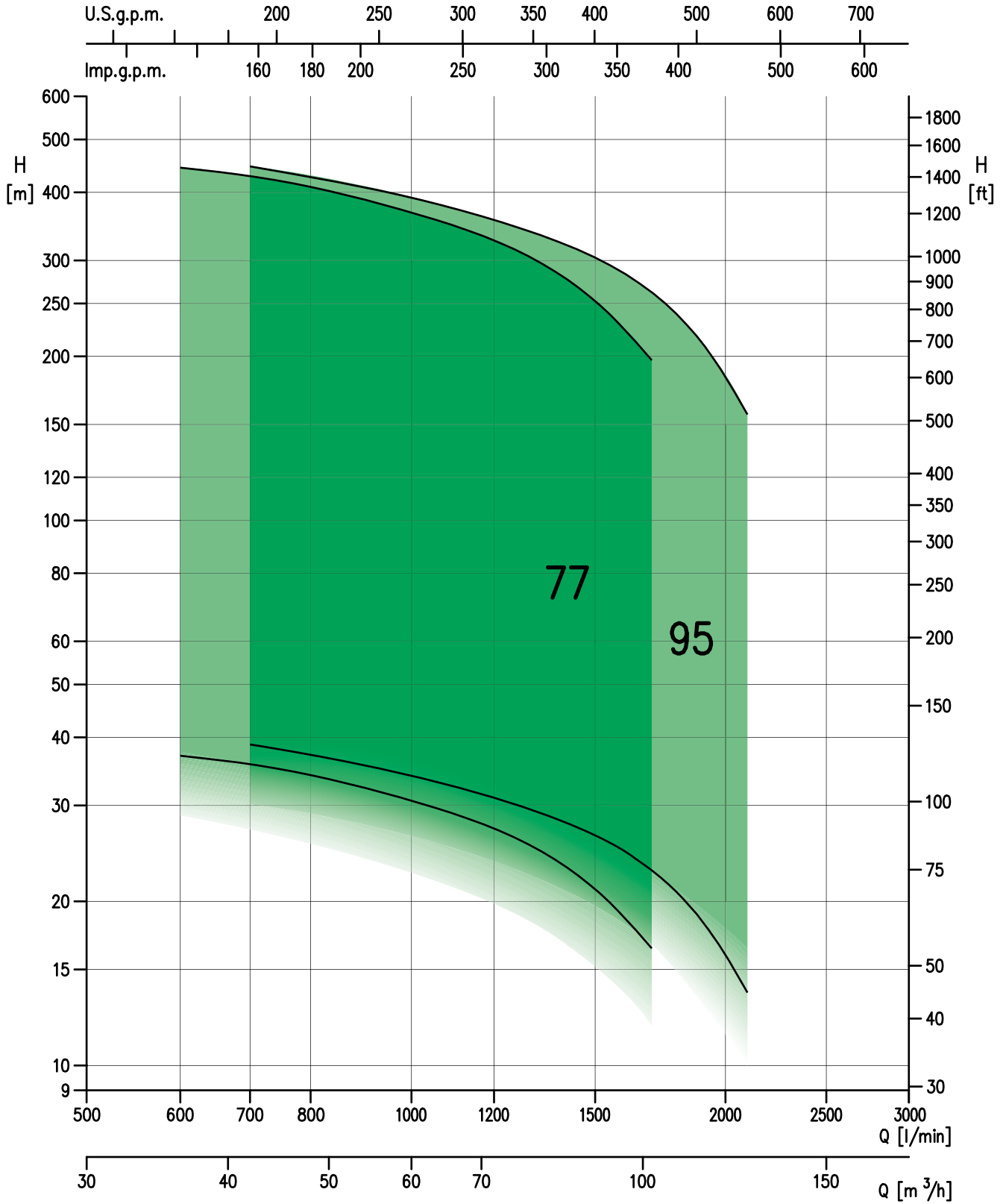
Page 377 - **5/10 m key floats with counterweight**

# 8BHE



8" borehole centrifugal pumps in AISI 304 (hydraulic only)

Borehole





# 8BHE

8" borehole centrifugal pumps in AISI 304 (hydraulic only)



															2 Poles										
Model	Code	£ Stg	HP	kW	Motor	Q=Flow rate									DNM	Weight [kg]									
						l/min	600	700	1000	1250	1500	1700	1900	2100											
						m³/h	36	42	60	75	90	102	114	126											
															H=Total head [m]										
86BHE 77-2	3657701102	3.179,00	10	7,5	6"		37,0	35,7	30,6	26,3	21,1	16,4	-	-	Rp5	31,5									
86BHE 77-3	3657701103	3.514,00	15	11	6"		55,5	53,5	46,0	39,5	31,6	24,6	-	-	Rp5	36,5									
86BHE 77-4	3657701104	3.861,00	20	15	6"		74,0	71,5	61,0	52,5	42,0	32,8	-	-	Rp5	41,5									
86BHE 77-5	3657701105	4.204,00	25	18,5	6"		92,5	89,5	76,5	66,0	52,5	41,0	-	-	Rp5	46,5									
86BHE 77-6	3657701106	4.654,00	30	22	6"		111,0	107,0	92,0	79,0	63,0	49,0	-	-	Rp5	51,0									
86BHE 77-7	3657701107	5.019,00	40	30	6"		130,0	125,0	107,0	92,0	73,5	57,5	-	-	Rp5	56,0									
86BHE 77-8	3657701108	5.372,00	40	30	6"		148,0	143,0	122,0	105,0	84,0	65,5	-	-	Rp5	61,0									
86BHE 77-9	3657701109	5.724,00	40	30	6"		167,0	161,0	138,0	118,0	95,0	74,0	-	-	Rp5	66,0									
86BHE 77-10	3657701110	6.074,00	50	37	6"		185,0	179,0	153,0	132,0	105,0	82,0	-	-	Rp5	71,0									
86BHE 77-11	3657701111	6.422,00	50	37	6"		204,0	196,0	168,0	145,0	116,0	90,0	-	-	Rp5	76,0									
8BHE 77-12	3657701012	6.862,00	60	45	8"		222,0	214,0	184,0	158,0	126,0	98,5	-	-	Rp5	82,0									
8BHE 77-13	3657701013	7.317,00	75	55	8"		241,0	232,0	199,0	171,0	137,0	107,0	-	-	Rp5	87,0									
8BHE 77-14	3657701014	7.755,00	75	55	8"		259,0	250,0	214,0	184,0	147,0	115,0	-	-	Rp5	92,0									
8BHE 77-15	3657701015	8.305,00	75	55	8"		278,0	268,0	230,0	197,0	158,0	123,0	-	-	Rp5	97,0									
8BHE 77-16	3657701016	8.942,00	100	75	8"		296,0	286,0	245,0	210,0	168,0	131,0	-	-	Rp5	101,5									
8BHE 77-17	3657701017	9.587,00	100	75	8"		315,0	303,0	260,0	224,0	179,0	139,0	-	-	Rp5	106,5									
8BHE 77-18	3657701018	10.230,00	100	75	8"		333,0	321,0	275,0	237,0	190,0	148,0	-	-	Rp5	111,5									
8BHE 77-19	3657701019	10.894,00	100	75	8"		352,0	339,0	291,0	250,0	200,0	156,0	-	-	Rp5	116,5									
8BHE 77-20	3657701020	11.589,00	100	75	8"		370,0	357,0	306,0	263,0	211,0	164,0	-	-	Rp5	121,0									
8BHE 77-21	3657701021	12.328,00	100	75	8"		389,0	375,0	321,0	276,0	221,0	172,0	-	-	Rp5	126,0									
8BHE 77-22	3657701022	13.089,00	125	93	8"		407,0	393,0	337,0	289,0	232,0	180,0	-	-	Rp5	131,0									
8BHE 77-23	3657701023	13.888,00	125	93	8"		426,0	411,0	352,0	302,0	242,0	189,0	-	-	Rp5	136,0									
8BHE 77-24	3657701024	14.731,00	125	93	8"		444,0	428,0	367,0	316,0	253,0	197,0	-	-	Rp5	141,0									
86BHE 95-2	3659501102	3.407,00	12,5	9,2	6"		-	38,8	34,0	30,2	26,4	22,8	18,4	13,6	Rp5	31,5									
86BHE 95-3	3659501103	3.778,00	20	15	6"		-	58,0	51,0	45,5	39,6	34,2	27,6	20,4	Rp5	36,5									
86BHE 95-4	3659501104	4.147,00	25	18,5	6"		-	77,5	68,0	60,5	53,0	45,5	36,8	27,2	Rp5	41,5									
86BHE 95-5	3659501105	4.519,00	30	22	6"		-	97,0	85,0	75,5	66,0	57,0	46,0	34,0	Rp5	46,0									
86BHE 95-6	3659501106	5.012,00	40	30	6"		-	116,0	102,0	90,5	79,0	68,5	55,0	41,0	Rp5	51,0									
86BHE 95-7	3659501107	5.401,00	40	30	6"		-	136,0	119,0	106,0	92,5	80,0	64,5	47,5	Rp5	56,0									
86BHE 95-8	3659501108	5.788,00	50	37	6"		-	155,0	136,0	121,0	106,0	91,0	73,5	54,5	Rp5	61,0									
86BHE 95-9	3659501109	6.162,00	50	37	6"		-	175,0	153,0	136,0	119,0	103,0	83,0	61,0	Rp5	66,0									
8BHE 95-10	3659501010	6.724,00	60	45	8"		-	194,0	170,0	151,0	132,0	114,0	92,0	68,0	Rp5	72,0									
8BHE 95-11	3659501011	6.991,00	75	55	8"		-	213,0	187,0	166,0	145,0	125,0	101,0	75,0	Rp5	77,0									
8BHE 95-12	3659501012	7.392,00	75	55	8"		-	233,0	204,0	181,0	158,0	137,0	110,0	81,5	Rp5	82,0									
8BHE 95-13	3659501013	7.879,00	75	55	8"		-	252,0	221,0	196,0	172,0	148,0	120,0	88,5	Rp5	87,0									
8BHE 95-14	3659501014	8.371,00	100	75	8"		-	272,0	238,0	211,0	185,0	160,0	129,0	95,0	Rp5	92,0									
8BHE 95-15	3659501015	8.984,00	100	75	8"		-	291,0	255,0	227,0	198,0	171,0	138,0	102,0	Rp5	97,0									
8BHE 95-16	3659501016	9.686,00	100	75	8"		-	310,4	272,0	242,0	211,0	182,0	147,0	109,0	Rp5	102,0									
8BHE 95-17	3659501017	10.410,00	100	75	8"		-	330,0	289,0	257,0	224,0	194,0	156,0	116,0	Rp5	106,5									
8BHE 95-18	3659501018	11.129,00	125	93	8"		-	349,0	306,0	272,0	238,0	205,0	166,0	122,0	Rp5	111,5									
8BHE 95-19	3659501019	11.864,00	125	93	8"		-	369,0	323,0	287,0	251,0	217,0	175,0	129,0	Rp5	116,5									
8BHE 95-20	3659501020	12.603,00	125	93	8"		-	388,0	340,0	302,0	264,0	228,0	184,0	136,0	Rp5	121,0									
8BHE 95-21	3659501021	13.463,00	125	93	8"		-	407,0	357,0	317,0	277,0	239,0	193,0	143,0	Rp5	126,0									
8BHE 95-22	3659501022	14.312,00	150	110	8"		-	427,0	374,0	332,0	290,0	251,0	202,0	150,0	Rp5	131,0									
8BHE 95-23	3659501023	15.205,00	150	110	8"		-	446,0	391,0	347,0	304,0	262,0	212,0	156,0	Rp5	136,0									

Price increase for double output cable cover: 186,00£

Borehole

# 8BHEL



## 8" borehole centrifugal pumps in AISI 316 (hydraulic only)

8" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design,  
corrosion  
resistant



Suitable for  
horizontal  
operation

### Technical data

<b>Max. immersion</b>	350 m water filled motor 150 m oil filled motor
<b>Max. temperature of the liquid</b>	-5°C ÷ +60°C
<b>Max. sand content</b>	100 gr/m <sup>3</sup>
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP58 (OY) IP68 (WY)
<b>Voltage</b>	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY

### Materials

<b>External casing</b>	AISI 316
<b>Impeller</b>	AISI 316
<b>Shaft</b>	AISI 329
<b>Discharge casing</b>	AISI 316
<b>Motor connection</b>	AISI 316

### Accessories



**Capacitors**  
Page 377 - **Capacitors 450V**



**Control panels and Control systems**  
Page 363 - **Presscomfort/Servopress**  
Pressure regulator  
Page 362 - **E-power**  
Variable speed control systems  
Page 360 - **E-drive**  
Variable speed control systems  
Page 364 - **Control panels**  
Smart

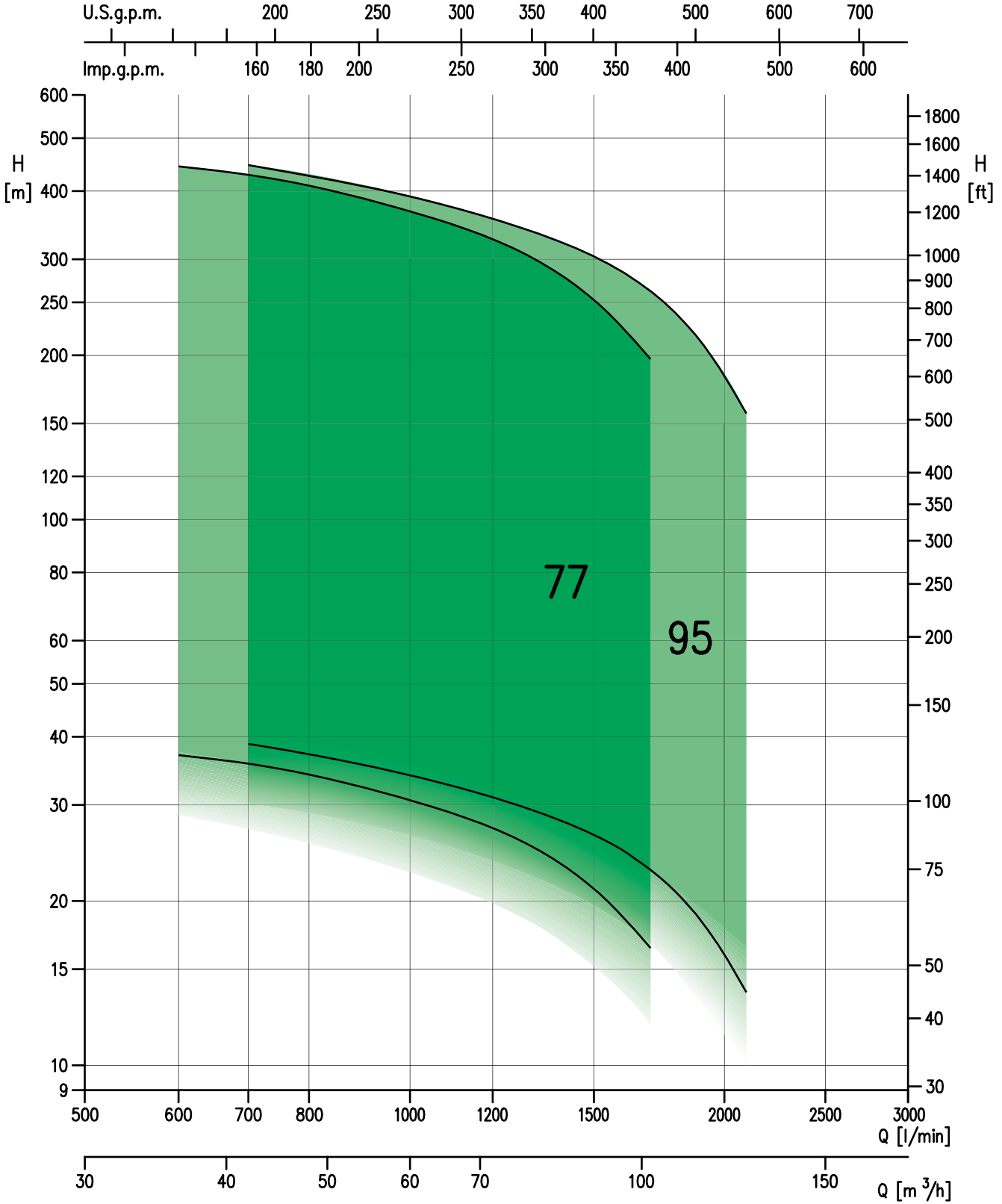


**Floats**  
Page 377 - **5/10 m key floats with counterweight**



# 8BHEL

8" borehole centrifugal pumps in AISI 316 (hydraulic only)



Borehole

# 8BHEL



## 8" borehole centrifugal pumps in AISI 316 (hydraulic only)

Borehole

Model	Code	£ Stg	HP	kW	Motor	Q=Flow rate									DNM	Weight [kg]
						l/min	600	700	1000	1250	1500	1700	1900	2100		
						m³/h	36	42	60	75	90	102	114	126		
						H=Total head [m]										
86BHEL 77-2	3657700102	<b>4.899,00</b>	10	7,5	6"		37,0	35,7	30,6	26,3	21,1	16,4	-	-	Rp5	31,5
86BHEL 77-3	3657700103	<b>5.422,00</b>	15	11	6"		55,5	53,5	46,0	39,5	31,6	24,6	-	-	Rp5	36,5
86BHEL 77-4	3657700104	<b>5.952,00</b>	20	15	6"		74,0	71,5	61,0	52,5	42,0	32,8	-	-	Rp5	41,5
86BHEL 77-5	3657700105	<b>6.479,00</b>	25	18,5	6"		92,5	89,5	76,5	66,0	52,5	41,0	-	-	Rp5	46,5
86BHEL 77-6	3657700106	<b>7.157,00</b>	30	22	6"		111,0	107,0	92,0	79,0	63,0	49,0	-	-	Rp5	51,0
86BHEL 77-7	3657700107	<b>7.735,00</b>	40	30	6"		130,0	125,0	107,0	92,0	73,5	57,5	-	-	Rp5	56,0
86BHEL 77-8	3657700108	<b>8.285,00</b>	40	30	6"		148,0	143,0	122,0	105,0	84,0	65,5	-	-	Rp5	61,0
86BHEL 77-9	3657700109	<b>8.827,00</b>	40	30	6"		167,0	161,0	138,0	118,0	95,0	74,0	-	-	Rp5	66,0
86BHEL 77-10	3657700110	<b>9.360,00</b>	50	37	6"		185,0	179,0	153,0	132,0	105,0	82,0	-	-	Rp5	71,0
86BHEL 77-11	3657700111	<b>9.901,00</b>	50	37	6"		204,0	196,0	168,0	145,0	116,0	90,0	-	-	Rp5	76,0
8BHEL 77-12	3657700012	<b>10.573,00</b>	60	45	8"		222,0	214,0	184,0	158,0	126,0	98,5	-	-	Rp5	82,0
8BHEL 77-13	3657700013	<b>11.274,00</b>	75	55	8"		241,0	232,0	199,0	171,0	137,0	107,0	-	-	Rp5	87,0
8BHEL 77-14	3657700014	<b>11.955,00</b>	75	55	8"		259,0	250,0	214,0	184,0	147,0	115,0	-	-	Rp5	92,0
8BHEL 77-15	3657700015	<b>12.722,00</b>	75	55	8"		278,0	268,0	230,0	197,0	158,0	123,0	-	-	Rp5	97,0
8BHEL 77-16	3657700016	<b>13.784,00</b>	100	75	8"		296,0	286,0	245,0	210,0	168,0	131,0	-	-	Rp5	101,5
8BHEL 77-17	3657700017	<b>14.788,00</b>	100	75	8"		315,0	303,0	260,0	224,0	179,0	139,0	-	-	Rp5	106,5
8BHEL 77-18	3657700018	<b>15.768,00</b>	100	75	8"		333,0	321,0	275,0	237,0	190,0	148,0	-	-	Rp5	111,5
8BHEL 77-19	3657700019	<b>16.794,00</b>	100	75	8"		352,0	339,0	291,0	250,0	200,0	156,0	-	-	Rp5	116,5
8BHEL 77-20	3657700020	<b>17.863,00</b>	100	75	8"		370,0	357,0	306,0	263,0	211,0	164,0	-	-	Rp5	121,0
8BHEL 77-21	3657700021	<b>19.007,00</b>	100	75	8"		389,0	375,0	321,0	276,0	221,0	172,0	-	-	Rp5	126,0
8BHEL 77-22	3657700022	<b>20.215,00</b>	125	93	8"		407,0	393,0	337,0	289,0	232,0	180,0	-	-	Rp5	131,0
8BHEL 77-23	3657700023	<b>21.415,00</b>	125	93	8"		426,0	411,0	352,0	302,0	242,0	189,0	-	-	Rp5	136,0
8BHEL 77-24	3657700024	<b>22.664,00</b>	125	93	8"		444,0	428,0	367,0	316,0	253,0	197,0	-	-	Rp5	141,0
86BHEL 95-2	3659500102	<b>5.257,00</b>	12,5	9,2	6"		-	38,8	34,0	30,2	26,4	22,8	18,4	13,6	Rp5	31,5
86BHEL 95-3	3659500103	<b>5.826,00</b>	20	15	6"		-	58,0	51,0	45,5	39,6	34,2	27,6	20,4	Rp5	36,5
86BHEL 95-4	3659500104	<b>6.396,00</b>	25	18,5	6"		-	77,5	68,0	60,5	53,0	45,5	36,8	27,2	Rp5	41,5
86BHEL 95-5	3659500105	<b>6.005,00</b>	30	22	6"		-	97,0	85,0	75,5	66,0	57,0	46,0	34,0	Rp5	46,0
86BHEL 95-6	3659500106	<b>7.718,00</b>	40	30	6"		-	116,0	102,0	90,5	79,0	68,5	55,0	41,0	Rp5	51,0
86BHEL 95-7	3659500107	<b>8.330,00</b>	40	30	6"		-	136,0	119,0	106,0	92,5	80,0	64,5	47,5	Rp5	56,0
86BHEL 95-8	3659500108	<b>8.922,00</b>	50	37	6"		-	155,0	136,0	121,0	106,0	91,0	73,5	54,5	Rp5	61,0
86BHEL 95-9	3659500109	<b>9.499,00</b>	50	37	6"		-	175,0	153,0	136,0	119,0	103,0	83,0	61,0	Rp5	66,0
8BHEL 95-10	3659500010	<b>10.202,00</b>	60	45	8"		-	194,0	170,0	151,0	132,0	114,0	92,0	68,0	Rp5	72,0
8BHEL 95-11	3659500011	<b>10.777,00</b>	75	55	8"		-	213,0	187,0	166,0	145,0	125,0	101,0	75,0	Rp5	77,0
8BHEL 95-12	3659500012	<b>11.391,00</b>	75	55	8"		-	233,0	204,0	181,0	158,0	137,0	110,0	81,5	Rp5	82,0
8BHEL 95-13	3659500013	<b>12.178,00</b>	75	55	8"		-	252,0	221,0	196,0	172,0	148,0	120,0	88,5	Rp5	87,0
8BHEL 95-14	3659500014	<b>12.902,00</b>	100	75	8"		-	272,0	238,0	211,0	185,0	160,0	129,0	95,0	Rp5	92,0
8BHEL 95-15	3659500015	<b>13.846,00</b>	100	75	8"		-	291,0	255,0	227,0	198,0	171,0	138,0	102,0	Rp5	97,0
8BHEL 95-16	3659500016	<b>14.933,00</b>	100	75	8"		-	310,4	272,0	242,0	211,0	182,0	147,0	109,0	Rp5	102,0
8BHEL 95-17	3659500017	<b>16.049,00</b>	100	75	8"		-	330,0	289,0	257,0	224,0	194,0	156,0	116,0	Rp5	106,5
8BHEL 95-18	3659500018	<b>17.188,00</b>	125	93	8"		-	349,0	306,0	272,0	238,0	205,0	166,0	122,0	Rp5	111,5
8BHEL 95-19	3659500019	<b>18.291,00</b>	125	93	8"		-	369,0	323,0	287,0	251,0	217,0	175,0	129,0	Rp5	116,5
8BHEL 95-20	3659500020	<b>19.480,00</b>	125	93	8"		-	388,0	340,0	302,0	264,0	228,0	184,0	136,0	Rp5	121,0
8BHEL 95-21	3659500021	<b>20.751,00</b>	125	93	8"		-	407,0	357,0	317,0	277,0	239,0	193,0	143,0	Rp5	126,0
8BHEL 95-22	3659500022	<b>22.064,00</b>	150	110	8"		-	427,0	374,0	332,0	290,0	251,0	202,0	150,0	Rp5	131,0
8BHEL 95-23	3659500023	<b>23.464,00</b>	150	110	8"		-	446,0	391,0	347,0	304,0	262,0	212,0	156,0	Rp5	136,0

Price increase for double output cable cover: 186,00£

# Borehole motors



## 3"-4"-6"-8" motors for deep wells

EBARA motors offer a huge range of submersible motors for well, oil filled or water filled.

From to 3" up to 8", compact dimensions, reliability and high performance make this range completely and performing in every installations. All Ebara motors are available with standard NEMA connections.



Sturdy design,  
corrosion  
resistant



Available in  
AISI 316



NEMA  
available  
connection

## Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m <sup>3</sup>
Poles	2
Insulation class	<b>EBARA MOTORS:</b> F (3" - 4" - 6" OY) (4" WY) <b>FRANKLIN MOTORS:</b> B (4" WY) F (6" - 8" WY)
Protection degree	<b>EBARA MOTORS:</b> IP58 (3" - 4" - 6" - 8" OY) (4" WY) <b>FRANKLIN MOTORS:</b> IP58 (6" - 8" WY) IP68 (4" WY)
Voltage	Single phase 230V Three phase 400V Three phase 380-415V (±10%)

## Submersible EBARA motors

**Suitable for borehole pumps, oil filled or water filled.**

EBARA motors offer a huge range of submersible motors for well, oil filled or water filled.

From to 3" up to 6", compact dimensions, reliability and high performance make this range completely and performing in every installations. All EBARA motors are available with standard NEMA connections.

### Main features:

- Standard NEMA connections
- High quality lubrication cooling liquid, non – toxic
- Easy dismantling and rewindable
- Compensation diaphragm and sand protection properly sized according to pump size
- Different mechanical seal available
- Axial and radial bearings
- Extractable connection cable
- High resistance nickel cast iron support, also available in AISI 304 and AISI 316
- Protection degree: IP58 for oil filled and IP68 for water filled
- Insulation class: F

### Available models:

- 3" oil filled motors
- 4" oil filled motors
- 6" oil filled motors
- 4" water filled motors

## Submersible FRANKLIN motors

**Suitable for borehole pumps, water filled.**

Submersible FRANKLIN motors offer a range of submersible water filled motors in different size. Available from 4" up to 8", these motors are available with standard NEMA connections.

### Main features:

- Standard NEMA connections
- Non – toxic cooling liquid
- Extractable connection cable
- Protection degree: IP68
- Insulation class: F

### Available motors:

- 4" water filled motor
- 6" water filled motor
- 8" water filled motor

# 3" motors



Oli filled motor in AISI 304 stainless steel

Single phase 230V						2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	Cable [m]
3" motor OYM 0,50 HP	1505000200	<b>578,00</b>	0,5	0,37	3,75	1,5
3" motor OYM 0,75 HP	1505000100	<b>615,00</b>	0,75	0,55	4,5	1,5
3" motor OYM 1,00 HP	1505000000	<b>650,00</b>	1	0,75	5,85	1,5

Three phase 400V						2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 400V	Cable [m]
3" motor OYT 0,5 HP	1505060100	<b>563,00</b>	0,5	0,37	2	1,5
3" motor OYT 0,75 HP	1505000104	<b>602,00</b>	0,75	0,55	2,1	1,5
3" motor OYT 1,00 HP	1505000004	<b>627,00</b>	1	0,75	2,5	1,5
3" motor OYT 1,50 HP	1505000204	<b>664,00</b>	1,5	1,1	3,2	1,5

# 4" motors



## EBARA motor / AISI 304 / Oil filled motors

OY: oil filled motor in AISI 304 stainless steel with cable and connector 4G1,5 included (EBARA MOTORS)

Single phase 230V							2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor OYM HP 0,5 S1X	1509050000	<b>300,00</b>	0,5	0,37	3,6	1,75	1500
4" motor OYM HP 0,75 S1X	1509070000	<b>318,00</b>	0,75	0,55	4,5	1,75	1500
4" motor OYM HP 1,0 S1X	1509100000	<b>342,00</b>	1	0,75	6	1,75	1500
4" motor OYM HP 1,5 S1X	1509110000	<b>395,00</b>	1,5	1,1	8,2	1,75	1500
4" motor OYM HP 2,0 S1X	1509150000	<b>482,00</b>	2	1,5	11	1,75	1500
4" motor OYM HP 3,0 S1X	1509220000	<b>589,00</b>	3	2,2	14,8	1,75	1500
4" motor OYM HP 3,0 S1X	1509220100	<b>608,00</b>	3	2,2	14,8	2,5	4400

Three phase 380/415V*							2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
4" motor OYT HP 0,5 S1X	1509030004	<b>277,00</b>	0,5	0,37	1,4	1,6	1,75	1500
4" motor OYT HP 0,75 S1X	1509070004	<b>283,00</b>	0,75	0,55	1,9	2	1,75	1500
4" motor OYT HP 1,0 S1X	1509100004	<b>303,00</b>	1	0,75	2,4	2,6	1,75	1500
4" motor OYT HP 1,5 S1X	1509150004	<b>360,00</b>	1,5	1,1	3,2	3,4	1,75	1500
4" motor OYT HP 2,0 S1X	1509200004	<b>419,00</b>	2	1,5	4,4	4,6	1,75	1500
4" motor OYT HP 3,0 S1X	1509300004	<b>515,00</b>	3	2,2	6	6,2	2,5	1500
4" motor OYT HP 3,0 S1X	1509300104	<b>515,00</b>	3	2,2	5,6	5,8	2,5	5000
4" motor OYT HP 4,0 S1X	1509400004	<b>629,00</b>	4	3	7,7	7,8	2,5	5000
4" motor OYT HP 5,5 S1X	1509550004	<b>708,00</b>	5,5	4	9,7	9,8	2,5	5000
4" motor OYT HP 7,5 S1X	1509750004	<b>809,00</b>	7,5	5,5	13,5	13,8	2,5	5000
4" motor OYT HP 10,0 S1X	1509100104	<b>1.022,00</b>	10	7,5	19	19,5	4	4400

\* three phase 230V motor available on request, same price as 380/415V version

# 4" motors



## EBARA motor / AISI 304 / Water filled motors

WY: water filled motor AISI 304 stainless steel with cable and connector 4G1,5 included (EBARA MOTORS)

Single phase 230V							2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor WYM HP 0,5	1505050000	<b>310,00</b>	0,5	0,37	3,4	1,2	1,2
4" motor WYM HP 0,75	1505090000	<b>330,00</b>	0,75	0,55	4,4	1,7	1,7
4" motor WYM HP 1,0	1505100000	<b>352,00</b>	1	0,75	5,9	2,2	2,2
4" motor WYM HP 1,5	1505150000	<b>404,00</b>	1,5	1,1	7,8	3	3
4" motor WYM HP 2,0	1505200000	<b>488,00</b>	2	1,5	10,2	4	4
4" motor WYM HP 3,0	1505300000	<b>626,00</b>	3	2,2	15	5,6	5,6

Three phase 400V							2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]
4" motor WYT HP 0,5	1505050004	<b>284,00</b>	0,5	0,37	1,2	1,75	1500
4" motor WYT HP 0,75	1505090004	<b>289,00</b>	0,75	0,55	1,7	1,75	1500
4" motor WYT HP 1,0	1505100004	<b>308,00</b>	1	0,75	2,2	1,75	1500
4" motor WYT HP 1,5	1505150004	<b>364,00</b>	1,5	1,1	3	1,75	3000
4" motor WYT HP 2,0	1505200004	<b>426,00</b>	2	1,5	4	1,75	3000
4" motor WYT HP 3,0	1505300004	<b>523,00</b>	3	2,2	5,6	2,5	3000
4" motor WYT HP 4,0	1505400004	<b>653,00</b>	4	3	7,5	2,5	6500
4" motor WYT HP 5,5	1505550004	<b>750,00</b>	5,5	4	10,1	2,5	6500
4" motor WYT HP 7,5	1505750004	<b>966,00</b>	7,5	5,5	13,6	3,3	6500
4" motor WYT HP 10	1505110004	<b>1.080,00</b>	10	7,5	18,3	4	6500

# 4" motors



## FRANKLIN motor / AISI 304 / Water filled motors

WY: water filled motor AISI 304 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Single phase 230V							2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor WYM HP 0,5 FRK	1504000000	<b>317,00</b>	0,5	0,37	3,3	1,5	3000
4" motor WYM HP 0,75 FRK	1504000001	<b>337,00</b>	0,75	0,55	4,3	1,5	3000
4" motor WYM HP 1,0 FRK	1504000002	<b>363,00</b>	1	0,75	5,7	1,5	3000
4" motor WYM HP 1,5 FRK	1504000003	<b>419,00</b>	1,5	1,1	8,4	1,5	3000
4" motor WYM HP 2,0 FRK	1504000004	<b>511,00</b>	2	1,5	10,7	1,5	3000
4" motor WYM HP 3,0 FRK	1504000005	<b>645,00</b>	3	2,2	14,7	2,5	4000

Three phase 380/415V*							2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
4" motor WYT HP 0,5 FRK	1504000006	<b>292,00</b>	0,5	0,37	1,1	1,14	1,5	3000
4" motor WYT HP 0,75 FRK	1504000007	<b>300,00</b>	0,75	0,55	1,6	1,7	1,5	3000
4" motor WYT HP 1,0 FRK	1504000008	<b>320,00</b>	1	0,75	2	2,1	1,5	3000
4" motor WYT HP 1,5 FRK	1504000009	<b>382,00</b>	1,5	1,1	2,8	2,9	1,5	3000
4" motor WYT HP 2,0 FRK	1504000010	<b>440,00</b>	2	1,5	3,9	4	1,5	3000
4" motor WYT HP 3,0 FRK	1504000011	<b>546,00</b>	3	2,2	5,4	5,8	2,5	4000
4" motor WYT HP 4,0 FRK	1504000012	<b>667,00</b>	4	3	7,4	7,9	2,5	4000
4" motor WYT HP 5,5 FRK	1508552004	<b>858,00</b>	5,5	4	9,7	10,4	2,5	6500
4" motor WYT HP 7,5 FRK	1508752004	<b>1.083,00</b>	7,5	5,5	12,6	12,8	2,5	6500
4" motor WYT HP 10,0 FRK	1508102104	<b>1.844,00</b>	10	7,5	17,2	17,6	2,5	6500

\* three phase 230V motor available on request, same price as 380/415V version

# 4" motors



## EBARA motor / AISI 316 / Oil filled motors

OY: oil filled motor in AISI 316 stainless steel with cable and connector 4G1,5 included (EBARA MOTORS)

Single phase 230V							2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V		Cable [m]	Thrust [N]
4" motor OYM HP 0,5 A316	1509053000	517,00	0,5	0,37	3,6		1,75	1500
4" motor OYM HP 0,75 A316	1509073000	552,00	0,75	0,55	4,5		1,75	1500
4" motor OYM HP 1,0 A316	1509103000	593,00	1	0,75	6		1,75	1500
4" motor OYM HP 1,5 A316	1509113000	615,00	1,5	1,1	8,2		1,75	1500
4" motor OYM HP 2,0 A316	1509153000	833,00	2	1,5	11		1,75	1500
4" motor OYM HP3,0 A316	1509220001	948,00	3	2,2	14,8		2,5	1500
4" motor OYM HP 3,0 A316	1509223000	1.054,00	3	2,2	14,8		2,5	4400

Three phase 380/415V*							2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
4" motor OYT HP 0,5 A316	1509033004	477,00	0,5	0,37	1,4	1,1	1,75	1500
4" motor OYT HP 0,75 A316	1509073004	490,00	0,75	0,55	1,9	1,6	1,75	1500
4" motor OYT HP 1,0 A316	1509103004	523,00	1	0,75	2,4	2,2	1,75	1500
4" motor OYT HP 1,5 A316	1509153004	622,00	1,5	1,1	3,2	3,3	1,75	1500
4" motor OYT HP 2,0 A316	1509203004	724,00	2	1,5	4,4	4,2	1,75	1500
4" motor OYT HP 3,0 A316	1509303004	891,00	3	2,2	6	5,6	2,5	1500
4" motor OYT HP 3,0 A316	1509303104	891,00	3	2,2	5,6	5,6	2,5	5000
4" motor OYT HP 4,0 A316	1509403004	1.088,00	4	3	7,7	7,7	2,5	5000
4" motor OYT HP 5,5 A316	1509553004	1.224,00	5,5	4	9,7	9,7	2,5	5000
4" motor OYT HP 7,5 A316	1509753004	1.400,00	7,5	5,5	13,5	13,5	2,5	5000
4" motor OYT HP 10,0 A316	1509103104	1.769,00	10	7,5	19	17	4	4400

\* three phase 230V motor available on request, same price as 380/415V version



# 4" motors



## FRANKLIN motor / AISI 316 / Water filled motors

WY: water filled motor in AISI 316 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Single phase 230V							2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Thrust [N]
					230V	Cable [m]	
4" motor WYM HP 0,5 FRK A316	1504000013	<b>787,00</b>	0,5	0,37	3,3	1,5	3000
4" motor WYM HP 0,75 FRK A316	1504000014	<b>814,00</b>	0,75	0,55	4,3	1,5	3000
4" motor WYM HP 1,0 FRK A316	1504000015	<b>857,00</b>	1	0,75	5,7	1,5	3000
4" motor WYM HP 1,5 FRK A316	1504000016	<b>922,00</b>	1,5	1,1	8,4	1,5	3000
4" motor WYM HP 2,0 FRK A316	1504000017	<b>1.011,00</b>	2	1,5	10,7	1,5	3000
4" motor WYM HP 3,0 FRK A316	1504000018	<b>1.142,00</b>	3	2,2	14,7	2,5	4000

Three phase 380/415V*							2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Thrust [N]
					380V	415V	
4" motor WYT HP 0,5 FRK A316	1504000019	<b>623,00</b>	0,5	0,37	1,1	1,14	3000
4" motor WYT HP 0,75 FRK A316	1504000020	<b>659,00</b>	0,75	0,55	1,6	1,7	3000
4" motor WYT HP 1,0 FRK A316	1504000021	<b>670,00</b>	1	0,75	2	2,1	3000
4" motor WYT HP 1,5 FRK A316	1504000022	<b>716,00</b>	1,5	1,1	2,8	2,9	3000
4" motor WYT HP 2,0 FRK A316	1504000023	<b>825,00</b>	2	1,5	3,9	4	3000
4" motor WYT HP 3,0 FRK A316	1504000024	<b>936,00</b>	3	2,2	5,4	5,8	4000
4" motor WYT HP 4,0 FRK A316	1504000025	<b>1.142,00</b>	4	3	7,4	7,9	4000
4" motor WYT HP 5,5 FRK A316	1508553004	<b>1.472,00</b>	5,5	4	9,7	10,4	6500
4" motor WYT HP 7,5 FRK A316	1508753004	<b>1.857,00</b>	7,5	5,5	12,6	12,8	6500
4" motor WYT HP 10,0 FRK A316	1508103104	<b>2.063,00</b>	10	7,5	17,2	17,6	6500

\* three phase 230V motor available on request, same price as 380/415V version

# 6" motors



6" borehole motors for wells with std NEMA connections

OY: oil filled motor in AISI 304 stainless steel with cast iron nickel plated upper bracket (EBARA MOTORS)

Three phase 380/415V								2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta)	
					380V	415V		Code	£ Stg
6" motor OYT HP 5,5	1505160704	<b>1.982,00</b>	5,5	4	8,7	8,9	2,8	1507300001	<b>1.225,00</b>
6" motor OYT HP 7,5	1505070404	<b>2.143,00</b>	7,5	5,5	12,6	12,4	2,8	1507300002	<b>1.273,00</b>
6" motor OYT HP 10	1505160604	<b>2.236,00</b>	10	7,5	17,2	16,5	2,8	1507300003	<b>1.324,00</b>
6" motor OYT HP 12,5	1505150204	<b>2.418,00</b>	12,5	9,2	22	21	2,8	1505150304	<b>1.420,00</b>
6" motor OYT HP 15	1505160200	<b>2.509,00</b>	15	11	24,1	23,9	2,8	1507300004	<b>1.471,00</b>
6" motor OYT HP 17,5	1505170204	<b>2.762,00</b>	17,5	13	28	27,5	2,8	1507300005	<b>1.606,00</b>
6" motor OYT HP 20	1505150206	<b>2.954,00</b>	20	15	31,4	29,7	2,8	1505160406	<b>1.711,00</b>
6" motor OYT HP 25	1505160504	<b>3.429,00</b>	25	18,5	41,5	36,6	2,8	1505160506	<b>2.004,00</b>
6" motor OYT HP 30	1505163004	<b>3.840,00</b>	30	22	46,5	44,5	2,8	1505163104	<b>2.230,00</b>
6" motor OYT HP 40	1505164004	<b>3.891,00</b>	40	30	63	58	2,8	1505164104	<b>2.694,00</b>
6" motor OYT HP 50	1507300027	<b>4.878,00</b>	50	37	74	71	2,8	1505165015	<b>3.575,00</b>

WY: water filled motor in AISI 304 stainless steel with cast iron upper bracket (FRANKLIN MOTORS)

Three phase 380/415V								2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta)	
					380V	415V		Code	£ Stg
6" motor WYT HP 5,5 FRK	1505550204	<b>2.476,00</b>	5,5	4	9,5	9,3	4	1505554204	<b>1.851,00</b>
6" motor WYT HP 7,5 FRK	1505750204	<b>2.664,00</b>	7,5	5,5	12,8	12,8	4	1505754104	<b>1.915,00</b>
6" motor WYT HP 10 FRK	1505140004	<b>2.771,00</b>	10	7,5	16,3	16,2	4	1505144104	<b>2.016,00</b>
6" motor WYT HP 12,5 FRK	1505120004	<b>2.984,00</b>	12,5	9,2	21	21	4	1505124104	<b>2.151,00</b>
6" motor WYT HP 15 FRK	1505160004	<b>3.091,00</b>	15	11	24	24,1	4	1505161004	<b>2.340,00</b>
6" motor WYT HP 20 FRK	1505170004	<b>3.611,00</b>	20	15	32	31	4	1505170104	<b>2.613,00</b>
6" motor WYT HP 25 FRK	1505180004	<b>4.169,00</b>	25	18,5	40	38,5	4	1505181004	<b>2.831,00</b>
6" motor WYT HP 30 FRK	1505190004	<b>4.650,00</b>	30	22	47	45	4	1505194104	<b>3.168,00</b>
6" motor WYT HP 40 FRK	1505400304	<b>4.812,00</b>	40	30	64,1	64,5	4	1505174004	<b>4.134,00</b>
6" motor WYT HP 50 FRK	1505500004	<b>7.522,00</b>	50	37	80,1	77,9	4	1505504104	<b>5.626,00</b>
6" motor WYT HP 60 FRK	1505400404	<b>8.925,00</b>	60	45	96,8	94,5	4	1505404204	<b>6.682,00</b>

WY6 models do not include the screws for pump coupling. We recommend the purchase of the special kit (see page 381)

# 6" motors



## 6" borehole motors for wells with std NEMA connections

OY: oil filled motor in AISI 316 with cast iron nickel plated upper bracket with cable and connector 4G1,5 included (EBARA MOTORS)

Three phase 380/415V								2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta)	
					380V	415V		Code	£ Stg
6" motor OYT HP 5,5 A316	1505163204	<b>2.846,00</b>	5,5	4	8,7	8,9	2,8	1507300006	<b>2.000,00</b>
6" motor OYT HP 7,5 A316	1505070304	<b>2.969,00</b>	7,5	5,5	12,6	12,4	2,8	1507300007	<b>2.079,00</b>
6" motor OYT HP 10,0 A316	1505080300	<b>3.101,00</b>	10	7,5	17,2	16,5	2,8	1507300008	<b>2.162,00</b>
6" motor OYT HP 12,5 A316	1505153004	<b>3.350,00</b>	12,5	9,2	22	21	2,8	1507300009	<b>2.321,00</b>
6" motor OYT HP 15,0 A316	1505163000	<b>3.480,00</b>	15	11	24,1	23,9	2,8	1507300010	<b>2.405,00</b>
6" motor OYT HP 17,5 A316	1505173104	<b>3.826,00</b>	17,5	13	28	27,5	2,8	1507300011	<b>2.627,00</b>
6" motor OYT HP 20,0 A316	1505153006	<b>4.099,00</b>	20	15	31,4	29,7	2,8	1507300012	<b>2.801,00</b>
6" motor OYT HP 25,0 A316	1505163304	<b>4.851,00</b>	25	18,5	41,5	36,6	2,8	1507300013	<b>3.282,00</b>
6" motor OYT HP 30,0 A316	1505163604	<b>5.433,00</b>	30	22	46,5	44,5	2,8	1507300014	<b>3.655,00</b>
6" motor OYT HP 40,0 A316	1505163404	<b>6.628,00</b>	40	30	63	58	2,8	1507300015	<b>4.418,00</b>
6" motor OYT HP 50,0 A316	1507300028	<b>10.444,00</b>	50	37	74	71	4	1505165016	<b>5.957,00</b>

WY: water filled motor in AISI 316 with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Three phase 380/415V								2 Poles	
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta)	
					380V	415V		Code	£ Stg
6" motor WYT HP 5,5 FRK A316	1505553104	<b>3.600,00</b>	5,5	4	9,5	9,3	4	1507300016	<b>3.166,00</b>
6" motor WYT HP 7,5 FRK A316	1505753104	<b>4.003,00</b>	7,5	5,5	12,8	12,8	4	1507300017	<b>3.227,00</b>
6" motor WYT HP 10,0 FRK A316	1505143004	<b>3.789,00</b>	10	7,5	16,3	16,2	4	1507300018	<b>3.323,00</b>
6" motor WYT HP 12,5 FRK A316	1505123004	<b>3.961,00</b>	12,5	9,2	21	21	4	1507300019	<b>3.467,00</b>
6" motor WYT HP 15,0 FRK A316	1505163704	<b>4.090,00</b>	15	11	24	24,1	4	1507300020	<b>3.571,00</b>
6" motor WYT HP 20,0 FRK A316	1505173004	<b>4.528,00</b>	20	15	32	31	4	1507300021	<b>3.942,00</b>
6" motor WYT HP 25,0 FRK A316	1505183004	<b>4.708,00</b>	25	18,5	40	38,5	4	1507300022	<b>4.094,00</b>
6" motor WYT HP 30,0 FRK A316	1505220104	<b>5.124,00</b>	30	22	47	45	4	1507300023	<b>4.442,00</b>
6" motor WYT HP 40,0 FRK A316	1505403204	<b>6.267,00</b>	40	30	64,1	64,5	4	1507300024	<b>5.400,00</b>
6" motor WYT HP 50,0 FRK A316	1505503004	<b>10.106,00</b>	50	37	80,1	77,9	4	1507300025	<b>8.619,00</b>
6" motor WYT HP 60,0 FRK A316	1505403104	<b>11.402,00</b>	60	45	96,8	94,5	4	1507300026	<b>9.771,00</b>

WY6 models do not include the screws for pump coupling. We recommend the purchase of the special kit (see page 381)

# 8" motors



8" borehole motors for wells with std NEMA connections

WY: water filled motor in AISI 304 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Three phase 380/415V - DOL - direct start								2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
8" motor WYT HP 60 DOL FRK	1505800004	<b>8.264,00</b>	60	45	89	89	8	45000
8" motor WYT HP 75 DOL FRK	1505800005	<b>9.835,00</b>	75	55	111	108	8	45000
8" motor WYT HP 100 DOL FRK	1505800006	<b>12.009,00</b>	100	75	148	145	8	45000
8" motor WYT HP 125 DOL FRK	1505800007	<b>15.185,00</b>	125	93	194	191	8	45000
8" motor WYT HP 150 DOL FRK	1505800008	<b>18.616,00</b>	150	110	226	223	8	45000

Three phase 380/415V - SD - star/delta start								2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
8" motor WYT HP 60 SD FRK	1505800009	<b>8.645,00</b>	60	45	89	89	8	45000
8" motor WYT HP 75 SD FRK	1505800010	<b>10.051,00</b>	75	55	111	108	8	45000
8" motor WYT HP 100 SD FRK	1505800011	<b>12.427,00</b>	100	75	148	145	8	45000
8" motor WYT HP 125 SD FRK	1505800012	<b>16.146,00</b>	125	93	194	191	8	45000
8" motor WYT HP 150 SD FRK	1505800013	<b>19.351,00</b>	150	110	226	223	8	45000

WY: water filled motor in AISI 316 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Three phase 380/415V - DOL - direct start								2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
8" motor WYT HP 60 DOL FRK A316	1505803004	<b>15.918,00</b>	60	45	89	89	8	45000
8" motor WYT HP 75 DOL FRK A316	1505803005	<b>17.039,00</b>	75	55	111	108	8	45000
8" motor WYT HP 100 DOL FRK A316	1505803006	<b>20.677,00</b>	100	75	148	145	8	45000
8" motor WYT HP 125 DOL FRK A316	1505803007	<b>24.957,00</b>	125	93	194	191	8	45000
8" motor WYT HP 150 DOL FRK A316	1505803008	<b>27.335,00</b>	150	110	226	223	8	45000

Three phase 380/415V - SD - star/delta start								2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
					380V	415V		
8" motor WYT HP 60 SD FRK A316	1505803009	<b>17.104,00</b>	60	45	89	89	8	45000
8" motor WYT HP 75 SD FRK A316	1505803010	<b>18.222,00</b>	75	55	111	108	8	45000
8" motor WYT HP 100 SD FRK A316	1505803011	<b>21.865,00</b>	100	75	148	145	8	45000
8" motor WYT HP 125 SD FRK A316	1505803012	<b>25.751,00</b>	125	93	194	191	8	45000
8" motor WYT HP 150 SD FRK A316	1505803013	<b>28.689,00</b>	150	110	226	223	8	45000

# CABLES DIMENSIONING

## 3" oil filled motors

### Cable selection - e.g.: 0,75 kW motor - 230V single phase - cable length 75 m = 4x2,5 mm<sup>2</sup>

Motor	HP	kW	Cable type								
			3x1,5	3x2,5	3x4	3x6	4x1	4x1,5	4x2,5	4x4	4x6
3" Single phase 230V	0,5	0,37	-	-	-	-	50	75	125	-	-
	0,75	0,55	-	-	-	-	38	57	95	152	-
	0,8	0,6	70	120	180	270	-	-	-	-	-
	1	0,75	-	-	-	-	30	45	75	120	174
	1,2	0,9	60	85	125	190	-	-	-	-	-
	2,0	1,5	55	75	90	140	-	-	-	-	-
3" Three phase 400V	0,5	0,37	-	-	-	-	240	-	-	-	-
	0,75	0,55	-	-	-	-	164	246	-	-	-
	1	0,75	-	-	-	-	133	200	233	-	-
	1,5	1,1	-	-	-	-	97	146	244	390	-

## 4" - 6" oil filled motors

### Cable selection - e.g.: 1,1 kW motor - 230V single phase - cable length 53 m = 4x2,5 mm<sup>2</sup>

Motor	HP	kW	Cable type								
			4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35
4" Single phase 230V	0,5	0,37	50	75	125	-	-	-	-	-	-
	0,75	0,55	38	57	95	152	-	-	-	-	-
	1	0,75	30	45	75	120	174	-	-	-	-
	1,5	1,1	22	33	53	85	127	210	-	-	-
	2	1,5	-	23	38	63	92	154	246	-	-
	3	2,2	-	-	28	45	67	112	180	-	-
4" Three phase 400V	0,5	0,37	240	-	-	-	-	-	-	-	-
	0,75	0,55	164	246	-	-	-	-	-	-	-
	1	0,75	133	200	333	-	-	-	-	-	-
	1,5	1,1	97	146	244	390	-	-	-	-	-
	2	1,5	72	109	180	290	435	-	-	-	-
	3	2,2	51	78	130	207	310	516	-	-	-
	4	3	41	62	104	167	250	416	-	-	-
	5,5	4	31	46	77	124	186	310	496	-	-
	7,5	5,5	-	33	56	90	135	225	360	-	-
	10	7,5	-	-	-	66	100	165	270	-	-
6" Three phase 400V	5,5	4	-	-	110	160	250	400	-	-	-
	7,5	5,5	-	-	68	108	161	265	415	-	-
	10	7,5	-	-	53	84	126	207	325	-	-
	12,5	9,2	-	-	44	70	104	171	267	413	-
	15	11	-	-	-	59	87	144	223	347	548
	20	15	-	-	-	-	65	107	167	258	350
	25	18,5	-	-	-	-	-	87	136	210	295
	30	22	-	-	-	-	-	75	117	181	246
	40	30	-	-	-	-	-	-	110	180	235

# CABLES DIMENSIONING

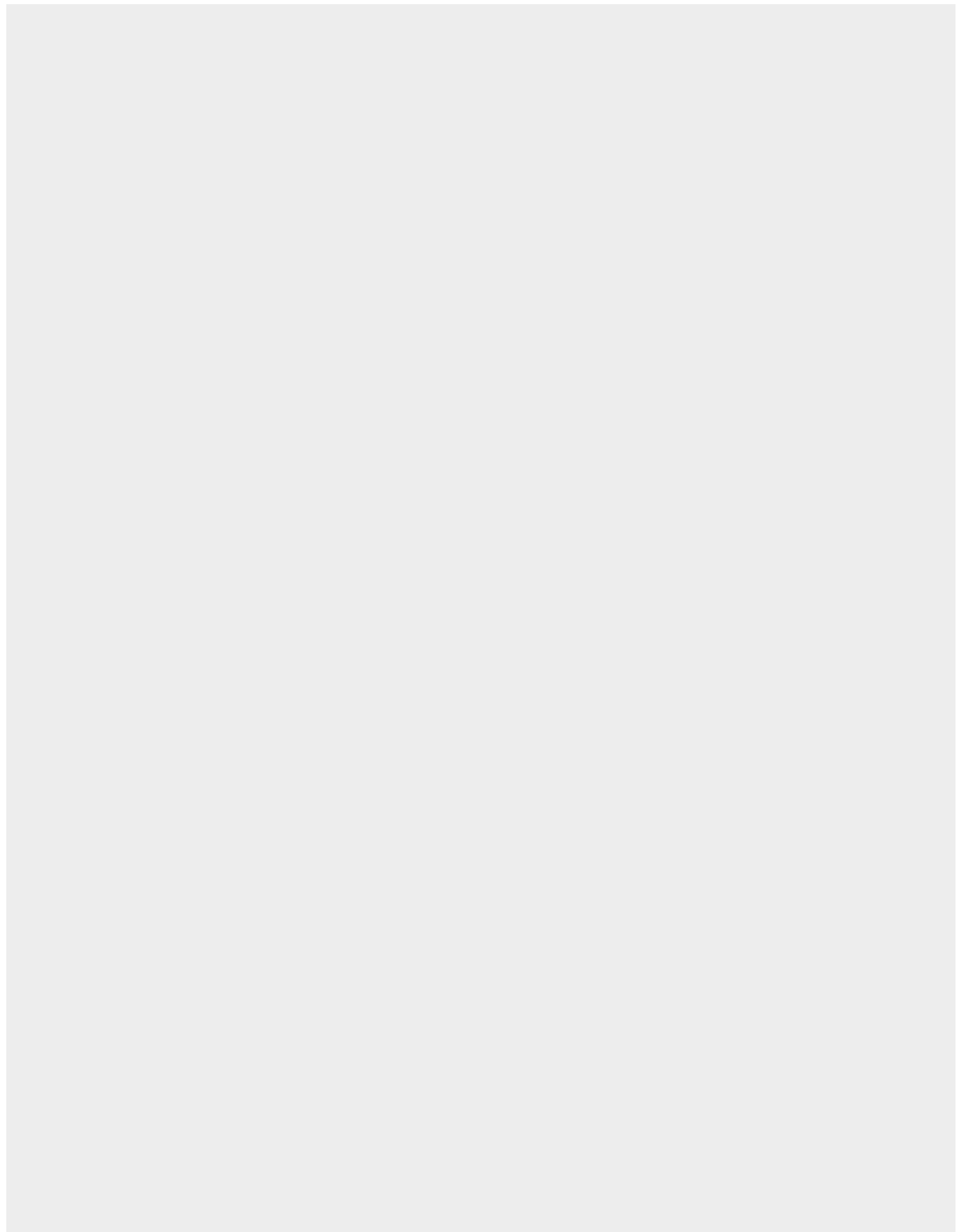
4" - 6" - 8" water filled motors

**Cable selection - e.g.: 0,75 kW motor - 230V single phase - cable length 73 m = 4x2,5 mm<sup>2</sup>**

Motor	HP	kW	Cable type																				
			4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35	4x50	4x70	4x95	4x120	4x150	4x185	4x240	4x300	4x400			
4" Single phase 230V	0,5	0,37	50	76	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	0,75	0,55	39	58	97	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	1	0,75	29	44	73	117	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1,5	1,1	20	30	50	79	119	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2	1,5	-	23	39	62	93	156	249	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	2,2	-	-	28	45	68	113	181	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4" Three phase 400V	0,5	0,37	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0,75	0,55	223	335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1	0,75	167	251	418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1,5	1,1	120	179	299	478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2	1,5	86	129	215	343	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3	2,2	61	91	152	243	365	609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4	3	45	67	112	179	268	446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5,5	4	34	51	85	135	203	338	541	-	-	-	-	-	-	-	-	-	-	-	-	-	
6" Three phase 400V	7,5	5,5	-	40	66	106	159	266	425	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	7,5	-	-	-	78	117	196	313	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5,5	4	40	60	100	161	242	404	646	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7,5	5,5	-	45	75	120	180	300	481	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10	7,5	-	-	60	96	138	228	354	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12,5	9,2	-	-	48	77	120	192	306	468	-	-	-	-	-	-	-	-	-	-	-	-	
	15	11	-	-	-	66	102	162	258	396	525	-	-	-	-	-	-	-	-	-	-	-	
	20	15	-	-	-	-	72	126	192	294	402	546	-	-	-	-	-	-	-	-	-	-	
	25	18,5	-	-	-	-	60	102	156	240	330	438	576	-	-	-	-	-	-	-	-	-	
8" Three phase 400V	30	22	-	-	-	-	-	84	132	204	276	372	489	-	-	-	-	-	-	-	-	-	
	40	30	-	-	-	-	-	-	102	156	210	288	380	490	580	-	-	-	-	-	-	-	
	50	37	-	-	-	-	-	-	-	123	169	230	310	390	460	550	890	-	-	-	-	-	
	60	45	-	-	-	-	-	-	-	105	142	200	255	330	387	453	516	800	-	-	-	-	
	75	55	-	-	-	-	-	-	-	-	117	164	229	270	324	380	435	510	573	-	-	-	
	100	75	-	-	-	-	-	-	-	-	-	-	160	205	240	290	324	381	429	600	-	-	
125	93	-	-	-	-	-	-	-	-	-	-	-	160	190	225	255	300	330	380	-	-		
150	110	-	-	-	-	-	-	-	-	-	-	-	-	160	180	183	240	270	400	-	-		



# Notes



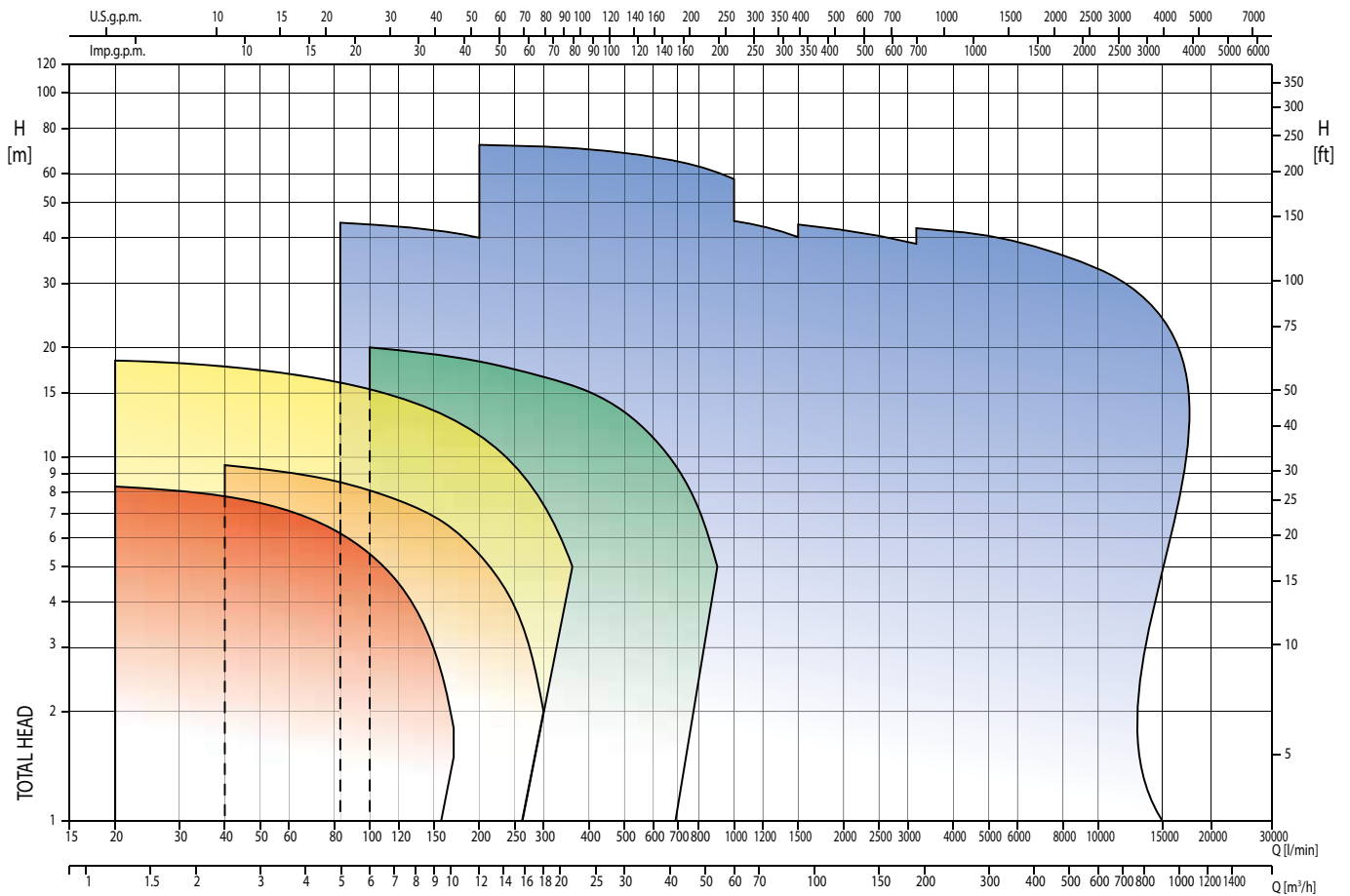
# Submersible pumps

Model	External casing	Impeller material	Application	Solids passage
<b>OPTIMA</b>	AISI 304	PPE + PS	Clean water	10 mm
<b>BEST ONE - BEST ONE VOX</b>	AISI 304	AISI 304	Clean water	10 mm*
<b>BEST 2 - 5</b>	AISI 304	AISI 304	Clean water	10 mm
<b>RIGHT</b>	AISI 304	AISI 304	Sewage	35 mm
<b>DW - DW VOX</b>	AISI 304	AISI 304	Sewage and Wastewater	50 mm
<b>D SERIES</b>	Cast iron	Ghisa	Sewage and Wastewater	5 to 150 mm**
<b>EBAMIX</b>	Cast iron/Steel	AISI 316	Mixers	
<b>DUMPER (L)</b>	Aluminium/Steel	Nitride hardened AISI 410	Dewatering	Ø 15 mm

PPE+PS= Technopolymer reinforced with fibreglass

\*20 mm for VOX version

\*\* Depends on the models



■ OPTIMA - BEST ONE (VOX)    
 ■ DW - DW VOX    
 ■ RIGHT    
 ■ BEST 2-5    
 ■ D SERIES

Submersible





## OPTIMA

Submersible pumps in AISI 304 stainless steel

226



## BEST ONE - BEST ONE VOX

Submersible pumps completely in AISI 304 stainless steel

228



## BEST 2-5

Submersible pumps in AISI 304 stainless steel

231



## RIGHT

Submersible pumps for wastewater in AISI 304 stainless steel

233



## DW - DW VOX

Submersible pumps for wastewater in AISI 304 stainless steel

235



## D SERIES

Submersible pumps for wastewater and sewage in cast iron

238



## EBAMIX

Submersible mixers

275



## DUMPER (L)

Dewatering pumps in AISI 304/316 stainless steel

276



## D-TANK

Wastewater collection tanks

286



## BEST BOX

Lift stations

288

# OPTIMA



## Submersible pumps in AISI 304 stainless steel

Submersible pumps with standard mechanical seal used for draining wells, garages, cellars or places subject to flooding. Handling of seepage water or wastewater, water not containing solids. Thanks to their versatility, they can be used in permanent or portable installations. Impeller, diffuser and motor cover in technopolymer reinforced with fibreglass.



OPTIMA MA

OPTIMA MS



Sturdy design, corrosion resistant



Possibility to use in fixed and mobile installations



Practical and easy to use

## Materials

Pump body	AISI 304
Impeller	PPE + PS reinforced with fibreglass
Shaft	AISI 303 + AISI 303 ceramic coated shaft sleeve
Shaft seal	Ceramic/Carbon/NBR (mechanical seal) QQV in SiC/SiC/FPM (special mechanical seal) NBR (lip seal)

## Technical data

Max. immersion 5 m with 10 m cable length  
2 m with 5 m cable length

Max. temperature of the liquid 50°C

Max. solids passage 10 mm

Poles 2

Insulation class F

Protection degree IP68

Voltage Single phase 230V ±10%

## Accessories



1"¼ hose connector and related clamp  
Page 383 - OPTIMA - BEST ONE accessories

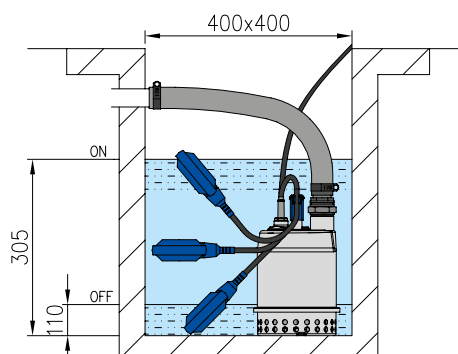
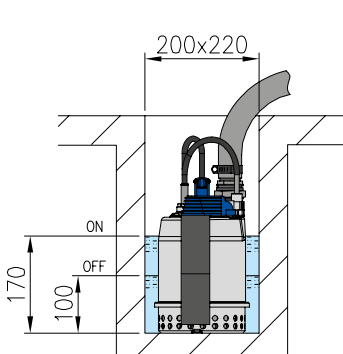


Minimum suction device up to 3 mm  
Page 383 - OPTIMA - BEST ONE accessories



Control panels and Control systems  
Page 364 - Control panels  
1EP-1 - QA50/B - QA60/C

## Installation

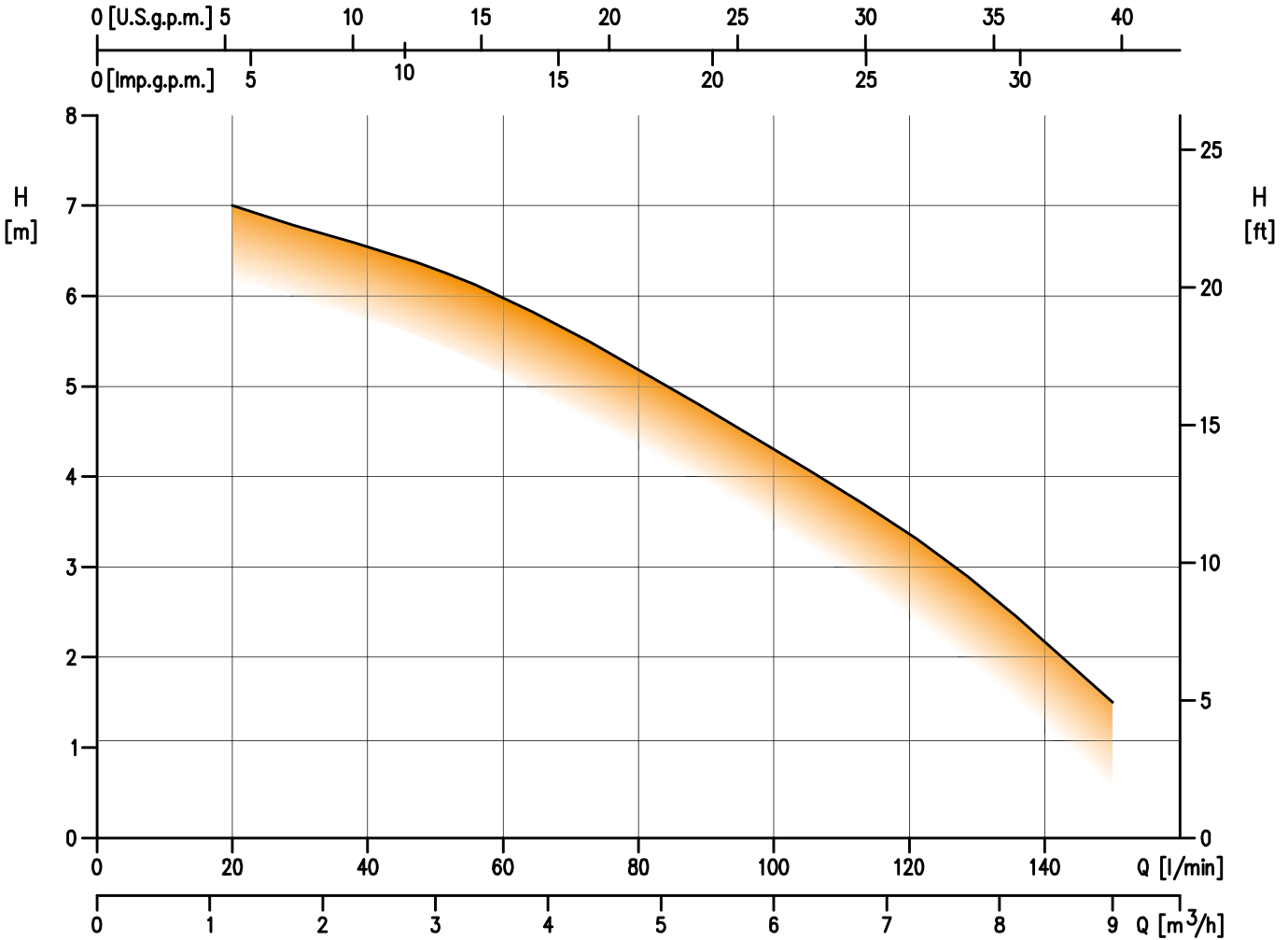


OPTIMA pumps have a great versatility of installation. The choice between vertical magnetic float (small size) or floating switch, allow to choose the best option, also depending on the available space to install the pump. In addition, the right switch type could be depend on the water level that it is preferred to have for pump starting.

# OPTIMA



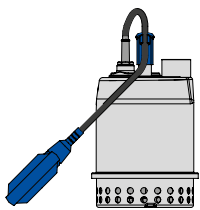
Submersible pumps in AISI 304 stainless steel



Submersible

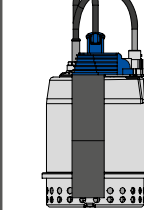
**Single phase 230V** **2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNA	Weight [kg]	
					l/min	20	50	75	100	125				150
					m³/h	1.2	3	4.5	6	7.5				9
					<b>H=Total head [m]</b>									
OPTIMA MA 10 m	1751101700	<b>276,00</b>	0,33	0,25	7.0	6.3	5.4	4.3	3.1	1.5	1,9	G1¼	4,5	
OPTIMA M 10 m	1751001700	<b>269,00</b>	0,33	0,25	7.0	6.3	5.4	4.3	3.1	1.5	1,9	G1¼	4,3	
OPTIMA MS	1752101600	<b>308,00</b>	0,33	0,25	7.0	6.3	5.4	4.3	3.1	1.5	1,9	G1¼	4,6	
OPTIMA MA -QQV	1751101800	<b>297,00</b>	0,33	0,25	7.0	6.3	5.4	4.3	3.1	1.5	1,9	G1¼	4,4	
OPTIMA M -QQV	1751001800	<b>289,00</b>	0,33	0,25	7.0	6.3	5.4	4.3	3.1	1.5	1,9	G1¼	4,2	
OPTIMA MS -QQV	1752101700	<b>334,00</b>	0,33	0,25	7.0	6.3	5.4	4.3	3.1	1.5	1,9	G1¼	4,6	



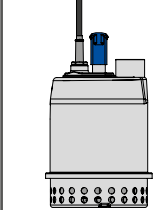
**OPTIMA "MA"**  
is complete of float, the rest of the range has none

**VERSION**  
5 m cable  
- OPTIMA MA  
- OPTIMA MA - QQV  
10 m cable  
- OPTIMA MA 10 m



**OPTIMA "MS"**  
is complete of vertical magnetic float (Magnetic Switch) which allows minimum amount of space.

**VERSION**  
- OPTIMA MS  
- OPTIMA MA - QQV



**OPTIMA "M"**  
without float

**VERSION**  
5 m cable  
- OPTIMA M  
- OPTIMA M - QQV  
10 m cable  
- OPTIMA 10 m

# BEST ONE - VOX



## Submersible pumps completely in AISI 304 stainless steel

Submersible pumps with standard mechanical seal used for draining wells, garages, cellars or places subject to flooding. Handling of seepage water or wastewater, water not containing solids. Thanks to their versatility, they can be used in permanent or portable installations.



**BEST ONE**

**BEST ONE VOX**



Sturdy design,  
corrosion  
resistant



Possibility to  
use in fixed  
and mobile  
installations



Practical and  
easy to use

## Technical data

Max. immersion	5 m with 10 m cable length
	2 m with 5 m cable length

Max. temperature of the liquid	50°C
--------------------------------	------

Max. solids passage	10 mm
	20 mm VOX (Vortex version)

Poles	2
-------	---

Insulation class	F
------------------	---

Protection degree	IP68
-------------------	------

Voltage	Single phase 230V ± 10%
	Three phase 400 ± 10%

## Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 + AISI 303 ceramic coated shaft sleeve
Shaft seal	Ceramic/Carbon/NBR (mechanical seal) NBR (lip seal)

## Accessories



**1"¼ hose connector and related clamp**  
Page 383 - **OPTIMA - BEST ONE**  
accessories



**Minimum suction device up to 3 mm**  
Page 383 - **OPTIMA - BEST ONE**  
accessories

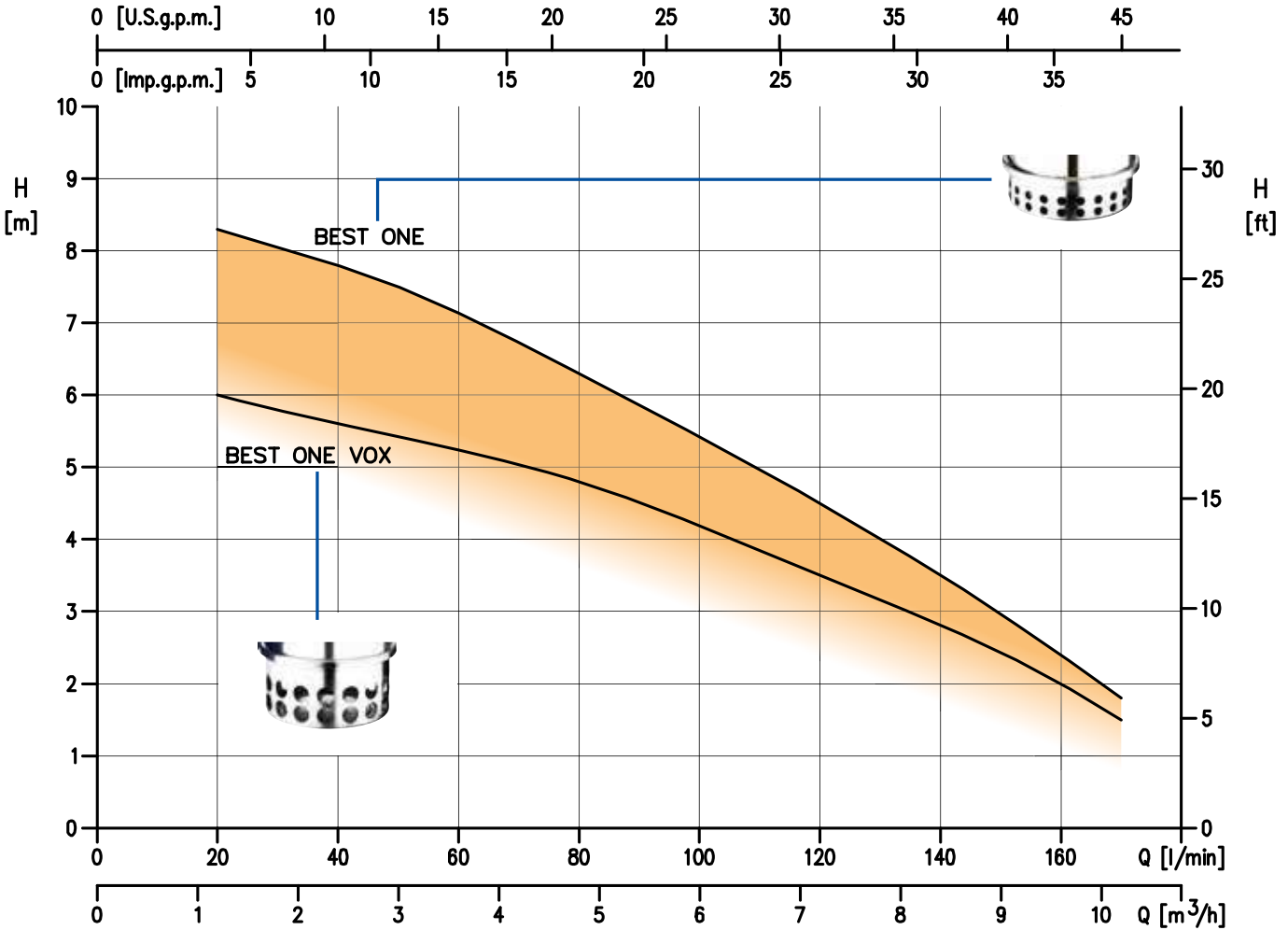


**Control panels and Control systems**  
Page 364 - **Control panels**  
1EP-1 - QA50/B - QA60/C

# BEST ONE - VOX

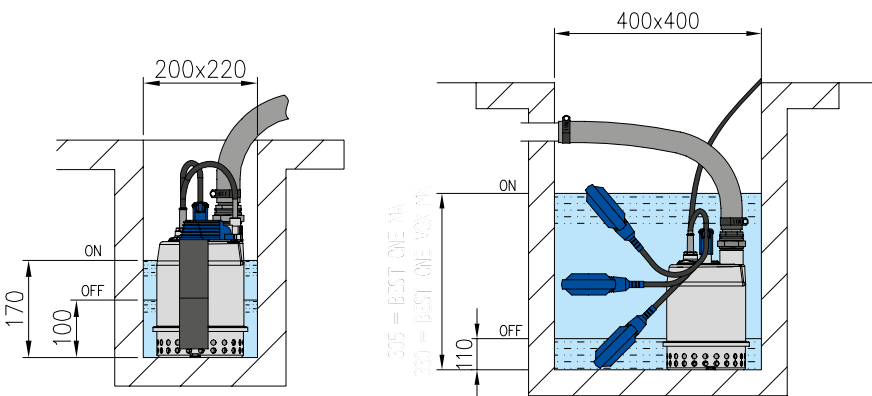


Submersible pumps completely in AISI 304 stainless steel



Submersible

## Installation



BEST ONE (VOX) pumps have a great versatility of installation. The choice between vertical magnetic float (small size) or floating switch, allow to choose the best option, also depending on the available space to install the pump. In addition, the right switch type could be depend on the water level that it is preferred to have for pump starting.

# BEST ONE - VOX



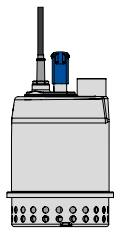
Submersible pumps completely in AISI 304 stainless steel

## Single phase 230V 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNM	Weight [kg]	
					l/min	20	40	80	120	160				170
					m³/h	1,2	2,4	4,8	7,2	9,6				10,2
H=Total head [m]														
BEST ONE MA 10 m	1711101700	<b>308,00</b>	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,7
BEST ONE M 10 m	1711001700	<b>296,00</b>	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,5
BEST ONE MS	1712101600	<b>341,00</b>	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,8
BEST ONE VOX MA 10 m	1741101700	<b>341,00</b>	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1¼	4,8
BEST ONE VOX M 10 m	1741001700	<b>331,00</b>	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1¼	4,6

## Three phase 400V 2 Poles

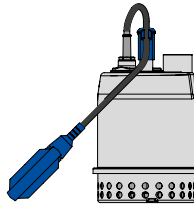
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 400V	DNM	Weight [kg]	
					l/min	20	40	80	120	160				170
					m³/h	1,2	2,4	4,8	7,2	9,6				10,2
H=Total head [m]														
BEST ONE 10 m	1711001404	<b>327,00</b>	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	0,8	G1¼	4,5
BEST ONE VOX 10 m	1741001404	<b>342,00</b>	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	0,8	G1¼	4,6



**BEST ONE**  
without float

**VERSION**

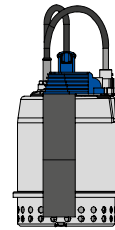
- 5 m cable
- BEST ONE M
- BEST ONE
- 10 m cable
- BEST ONE M 10 m
- BEST ONE 10 m



**BEST ONE "A"**  
is complete of float, the rest of the range has none

**VERSION**

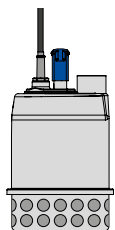
- 5 m cable
- BEST ONE MA
- 10 m cable
- BEST ONE MA 10



**BEST ONE "MS"**  
is complete of vertical magnetic float (Magnetic Switch) which allows minimum amount of space.

**VERSION**

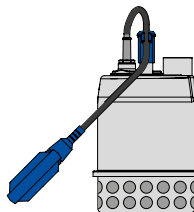
- BEST ONE MS



**BEST ONE VOX**  
without float

**VERSION**

- 5 m cable
- BEST ONE VOX M
- BEST ONE VOX
- 10 m cable
- BEST ONE VOX M 10 m
- BEST ONE VOX 10 m



**BEST ONE VOX "A"**  
is complete of float, the rest of the range has none

**VERSION**

- 5 m cable
- BEST ONE VOX MA
- 10 m cable
- BEST ONE VOX MA 10

# BEST 2-5



## Submersible pumps in AISI 304 stainless steel

Submersible pumps used for handling seepage water, draining cellars, garages and basements, draining small and medium-sized building sites. Thanks to their versatility, they can be used in permanent or portable installations.

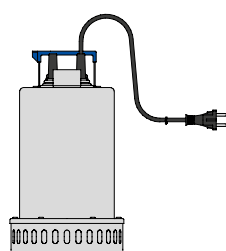


Possibility to use in fixed and mobile installations

## Materials

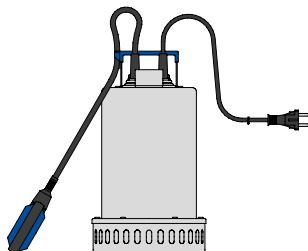
Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 (part in contact with the liquid)

**Mechanical seal** upper in Carbon/Ceramic/NBR (motor side)  
lower in SiC/SiC/NBR (pump side)



**BEST**  
without float

**VERSION**  
- BEST M  
- BEST



**BEST "MA"**  
is complete of float, the rest of the range has none

**VERSION**  
- BEST MA

## Technical data

Max. immersion	7 m
Max. temperature of the liquid	35°C
Max. solids passage	10 mm (suspended particles)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ± 10% Three phase 400V ± 10%

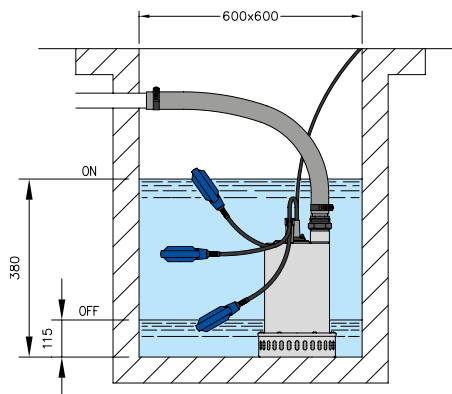
## Accessories



### Control panels and Control systems

Page 364 - **Control panels**  
1EP-1 - QA50/B - QA60/C - Smart - QM1 - QT1

## Installation

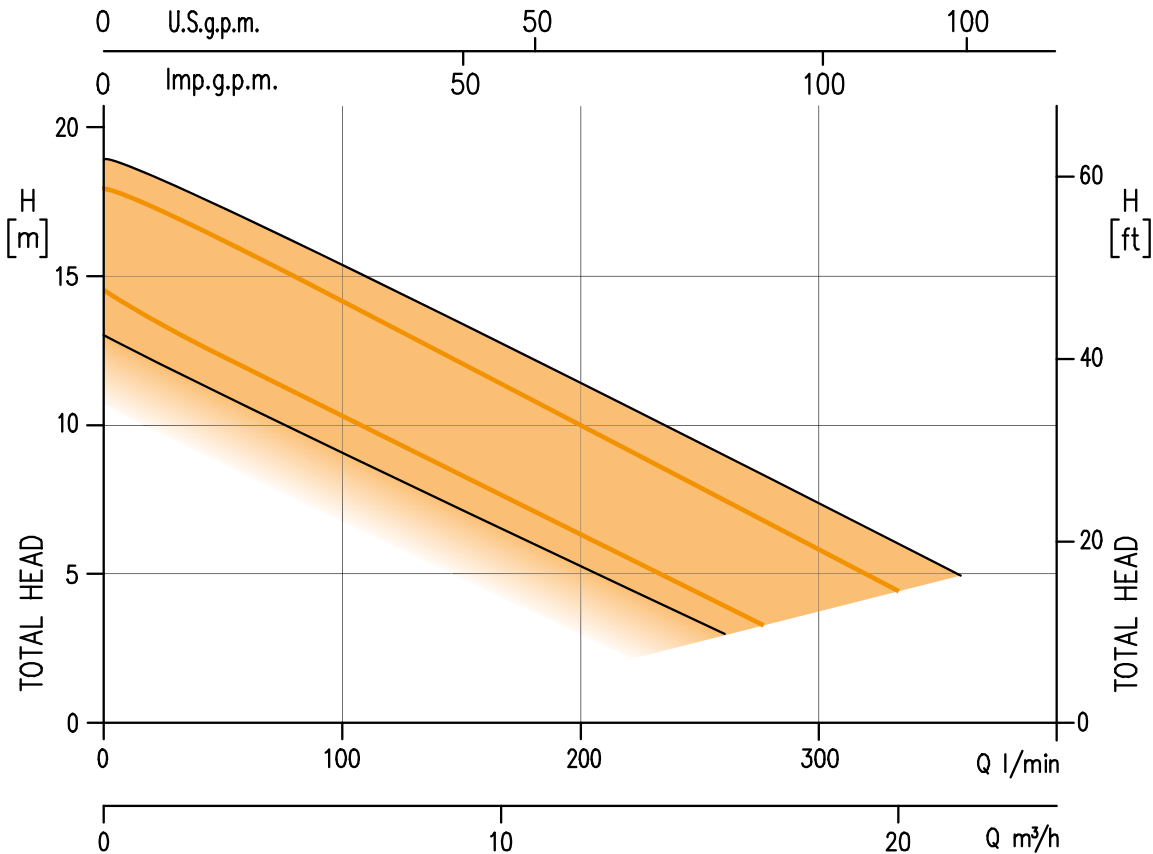


BEST 2 - 5 pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

# BEST 2-5



Submersible pumps in AISI 304 stainless steel



Submersible

Single phase 230V										2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNM	Weight [kg]	
					l/min	20	80	160	200	280				330
					m³/h	1,2	4,8	9,6	12	16,8	19,8			
					H=Total head [m]									
BEST 2 MA	1721091621	514,00	0,75	0,55		12,2	9,8	6,7	5,0	-	-	4,4	G1½	12,1
BEST 2 M	1721091721	501,00	0,75	0,55		12,2	9,8	6,7	5,0	-	-	4,4	G1½	12
BEST 3 MA	1721101621	692,00	1	0,75		13,6	11,1	7,9	6,4	3,2	-	5,6	G1½	12,8
BEST 3 M	1721101721	712,00	1	0,75		13,6	11,1	7,9	6,4	3,2	-	5,6	G1½	12,7
BEST 4 MA	1731151621	798,00	1,5	1,1		17,4	15,0	11,7	10,0	6,7	4,6	7,3	G1½	13,9
BEST 4 M	1731151721	782,00	1,5	1,1		17,4	15,0	11,7	10,0	6,7	4,6	7,3	G1½	13,8

"A" version is complete of float, the rest of the range has none

Three phase 400V										2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 400V	DNM	Weight [kg]	
					l/min	20	80	160	200	280				330
					m³/h	1,2	4,8	9,6	12	16,8	19,8			
					H=Total head [m]									
BEST 2	1721091204	501,00	0,75	0,55		12,2	9,8	6,7	5,0	-	-	2	G1½	12
BEST 3	1721101204	692,00	1	0,75		13,6	11,1	7,9	6,4	3,2	-	2,4	G1½	12,7
BEST 4	1731151204	782,00	1,5	1,1		17,4	15,0	11,7	10,0	6,7	4,6	3	G1½	13,8
BEST 5	1731201204	840,00	2	1,5		18,4	16,1	12,8	11,4	8,0	6,0	3,3	G1½	13,5



# RIGHT



## Submersible pumps for wastewater in AISI 304 stainless steel

Submersible pumps particularly suitable for handling liquids containing solid and/or filamentary substances in suspension. Suitable for draining seepage water, handling sewage sanitary fixtures), draining cesspits and discharging into the sewer.



Possibility to use in fixed and mobile installations

### Materials

<b>Pump body</b>	AISI 304
<b>Impeller</b>	AISI 304
<b>Shaft</b>	AISI 303 (part in contact with the liquid)
<b>Mechanical seal</b>	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)

### Technical data

<b>Max. immersion</b>	7 m with 10 m cable length 2 m with 5 m cable length
<b>Max. temperature of the liquid</b>	50°C
<b>Max. solids passage</b>	35 mm (spherical)
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP68
<b>Voltage</b>	Single phase 230V ± 10% Three phase 400V ± 10%

### Accessories



#### Lowering device kit adaptor

Page 325 - **RIGHT accessories**

Adaptor to apply DW lowering device kit on RIGHT pumps

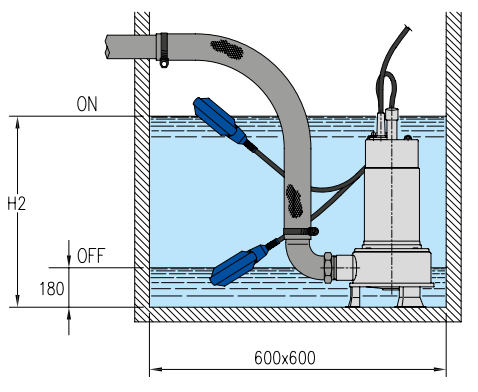


#### Control panels and Control systems

Page 364 - **Control panels**

1EP-1 - QA50/B - QA60/C - Smart - QM1 - QT1

### Installation

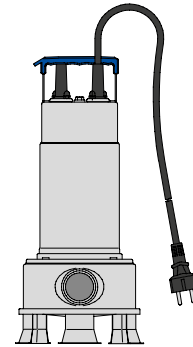
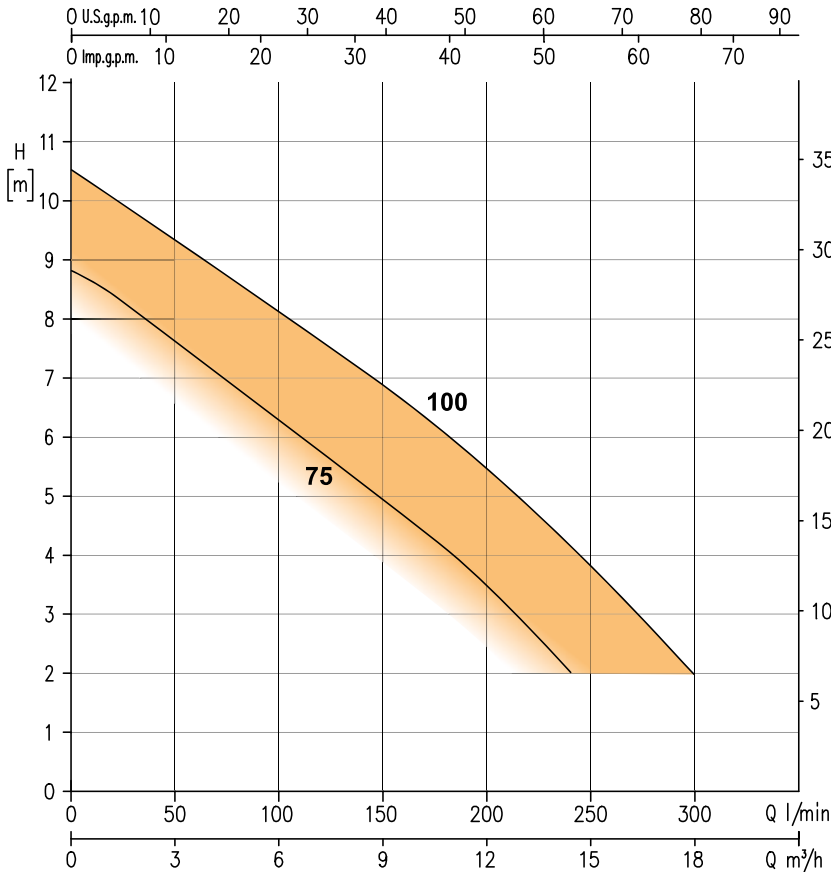


RIGHT pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

# RIGHT



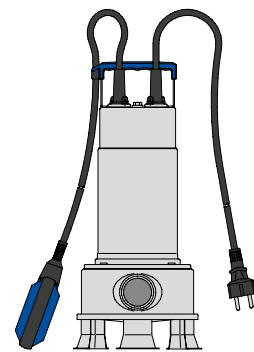
## Submersible pumps for wastewater in AISI 304 stainless steel



**RIGHT**  
without float

**VERSION**

- 5 m cable
- RIGHT M
- RIGHT
- 10 m cable
- RIGHT M 10 m
- RIGHT 10 m



**RIGHT "A"**  
is complete of float, the rest of the range has none

**VERSION**

- 5 m cable
- BEST ONE MA
- 10 m cable
- BEST ONE MA 10 m

### Single phase 230V

**2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	40	80	120	160	200	240	300			
					m³/h	2	4,8	7,2	9,6	12	14,4	18			
<b>H=Total head [m]</b>															
RIGHT 75 M A 10 m	1771031921	464,00	0,75	0,55	7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10,1	
RIGHT 75 M 10 m	1771031621	450,00	0,75	0,55	7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10,1	
RIGHT 100 M A 10 m	1771051921	521,00	1	0,75	9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,6	
RIGHT 100 M 10 m	1771051621	508,00	1	0,75	9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,6	

"A" version is complete of float, the rest of the range has none

### Three phase 400V

**2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]
					l/min	40	80	120	160	200	240	300			
					m³/h	2	4,8	7,2	9,6	12	14,4	18			
<b>H=Total head [m]</b>															
RIGHT 75 10 m	1771031404	450,00	0,75	0,55	7,8	6,8	5,7	4,7	3,4	2,0	-	2,1	G1½	10,1	
RIGHT 100 10 m	1771051404	509,00	1	0,75	9,5	8,6	7,6	6,6	5,4	4,2	2,0	2,6	G1½	11,6	

# DW - DW VOX



## Submersible pumps for wastewater in AISI 304 stainless steel

Submersible pumps particularly suitable for removing domestic and trade waste, draining pits or excavations, handling contaminated liquids in general, including those containing solid and filamentary substances in suspension, draining seepage water, handling sewage (sanitary fixtures) and draining cesspits. Fitted with single channel or vortex (VOX) impeller and flanged with or without mount (F - FZ)



Possibility to use in fixed and mobile installations

## Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 (part in contact with the liquid)
Mechanical seal	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)

## Pipe connections



**Threaded**  
DW  
DW VOX



**Flanged**  
DWF  
DW VOXF

## Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Max. solids passage	50 mm (spherical)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ± 10% Three phase 400V ± 10%

## Accessories



### Lowering device kit

Page 383 - **DW - DW VOX accessories**  
Lowering device kit for DW complete of fixing bracket, guide hook and fixed base. Available in stainless steel or cast iron, threaded or flanged.



### Control panels and Control systems

Page 364 - **Control panels**  
1EP-1 - QA60/C - Smart - QT1

## Options



### Mechanical seal

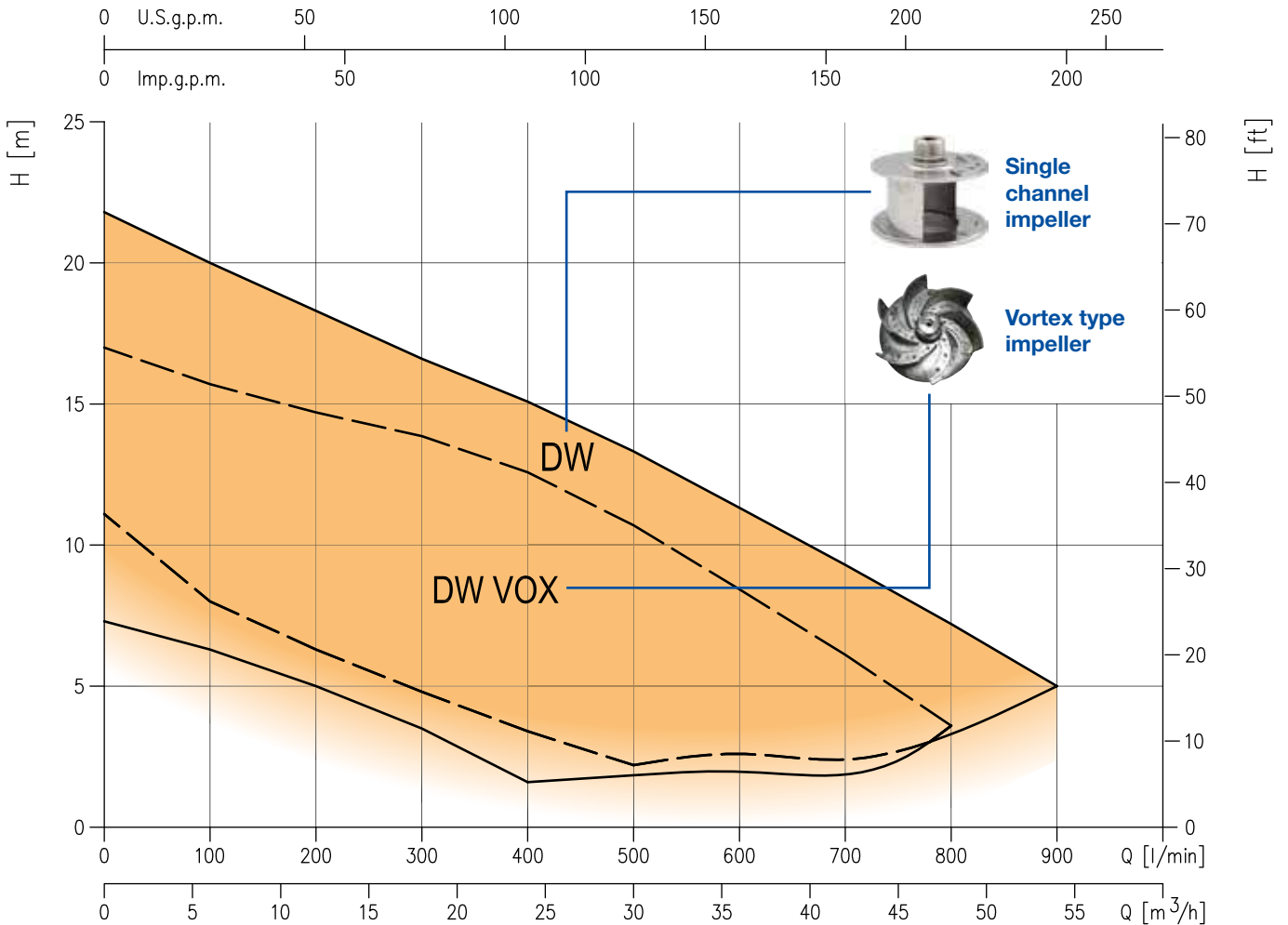
Page 89 - **U3U3VGG**

# DW - DW VOX

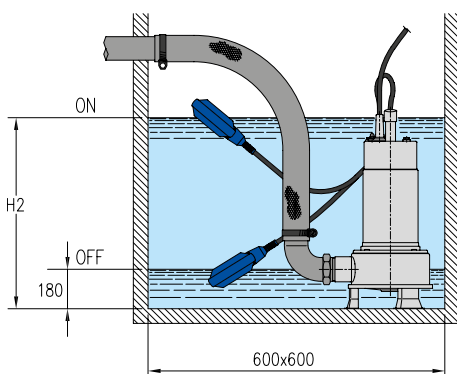


Submersible pumps for wastewater in AISI 304 stainless steel

Submersible



## Installation



**DW(F) (VOX) "A"**  
is complete of float, the  
rest of the range has  
none

**VERSION**

- DW M A
- DWF M A
- DW VOX M A
- DW VOXF M A

DW - DW VOX pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

# DW - DW VOX



Submersible pumps for wastewater in AISI 304 stainless steel

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
					l/min	100	200	300	400	500	700	900			
					m³/h	6	12	18	24	30	42	54			
H=Total head [m]															
DW M 75	1589031621	704,00	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	G2	15,8
DW M 75 A	1589031721	731,00	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	G2	16
DW M 100	1589051621	818,00	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	G2	17,8
DW M 100 A	1589051721	843,00	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	G2	18
DW M 150	1589071621	971,00	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	G2	19,2
DW M 150 A	1589071721	1.004,00	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	G2	19,4
DWF M 75	1588031621	740,00	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	DN 50	16,6
DWF M 75 A	1588031721	766,00	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	DN 50	16,8
DWF M 100	1588051621	781,00	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	DN 50	18,6
DWF M 100 A	1588051721	879,00	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	DN 50	18,8
DWF M 150	1588071621	1.007,00	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	DN 50	20
DWF M 150 A	1588071721	1.042,00	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	DN 50	20,2
DW VOX M 75	1599031621	704,00	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	G2	15,4
DW VOX M 75 A	1599031721	731,00	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	G2	15,6
DW VOX M 100	1599051621	818,00	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	G2	17,4
DW VOX M 100 A	1599051721	843,00	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	G2	17,6
DW VOX M 150	1599071621	971,00	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	G2	18,8
DW VOX M 150 A	1599071721	1.004,00	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	G2	19
DW VOXF M 75	1598031621	740,00	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	DN 50	16,2
DW VOXF M 75 A	1598031721	766,00	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	DN 50	16,4
DW VOXF M 100	1598051621	861,00	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	DN 50	18,2
DW VOXF M 100 A	1598051721	879,00	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	DN 50	18,4
DW VOXF M 150	1598071621	1.007,00	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	DN 50	19,6
DW VOXF M 150 A	1598071721	1.042,00	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	DN 50	19,8

"A" version is complete of float, the rest of the range has none

Three phase 400V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]
					l/min	100	200	300	400	500	700	900			
					m³/h	6	12	18	24	30	42	54			
H=Total head [m]															
DW 75	1589030004	704,00	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	1,5	G2	15,4
DW 100	1589050004	818,00	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	2,1	G2	16,8
DW 150	1589070004	971,00	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	2,8	G2	18,6
DW 200	1589080004	1.055,00	2	1,5		16,6	15,0	13,3	11,4	9,5	5,4	-	3,6	G2	20
DW 300 *	1589090004	1.191,00	3	2,2		20,0	18,3	16,6	15,1	13,3	9,3	5,0	5	G2	25,8
DWF 75	1588030004	740,00	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	1,5	DN 50	16,2
DWF 100	1588050004	781,00	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	2,1	DN 50	17,6
DWF 150	1588070004	1.007,00	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	2,8	DN 50	19,4
DWF 200	1588080004	1.092,00	2	1,5		16,6	15,0	13,3	11,4	9,5	5,4	-	3,6	DN 50	20,8
DWF 300 *	1588090004	1.231,00	3	2,2		20,0	18,3	16,6	15,1	13,3	9,3	5,0	5	DN 50	26,6
DW VOX 75	1599030004	704,00	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	1,4	G2	15,2
DW VOX 100	1599050004	818,00	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	2,1	G2	16,4
DW VOX 150	1599070004	971,00	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	2,8	G2	18,1
DW VOX 200	1599080004	1.055,00	2	1,5		12,5	11,2	9,8	8,3	6,4	1,6	-	3,3	G2	19,6
DW VOX 300 *	1599090004	1.191,00	3	2,2		15,7	14,7	13,9	12,6	10,7	6,1	-	4,4	G2	25,4
DW VOXF 75	1598030004	740,00	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	1,4	DN 50	16
DW VOXF 100	1598050004	781,00	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	2,1	DN 50	17,2
DW VOXF 150	1598070004	1.007,00	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	2,8	DN 50	18,9
DW VOXF 200	1598080004	1.092,00	2	1,5		12,5	11,2	9,8	8,3	6,4	1,6	-	3,3	DN 50	20,4
DW VOXF 300*	1598090004	1.231,00	3	2,2		15,7	14,7	13,9	12,6	10,7	6,1	-	4,4	DN 50	26,2

\* Equipped with cast iron spacer


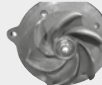





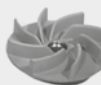

# D Series



## Submersible motor-driven pumps for wastewater in cast iron

Submersible motor-driven pumps particularly suitable for removing domestic and trade waste, sewage treatment, handling contaminated liquids in general, including those containing solid and filamentary substances in suspension, draining seepage water, handling sewage (sanitary fixtures) and draining cesspits.


**Selection Table**

Model	DS/DSF	DVS	DRS	65DL 51,5 80DL 51,5-53,7 100DL 53,7	100DL 55,5-18,5 150DL 55,5-22 200DL 55,5-22 250DL 57,5-22 300DL 511-22 80-100DLC/DLB 100DLB W/C 5,5-7,5	DL W/C (with cutter)	DML/DMLF	DMLV/DMLVF	DRD
<b>N. Poles</b>	2	2	2	4	4	4	4 (DML) 2 (DMLF)	2, 4, 6	2, 4, 6, 8
<b>Type of fluid</b>	Clear and rain water	Water loaded with suspended solids	Water loaded with suspended solid bodies and filaments	Water loaded with suspended solid bodies and filaments	Water loaded with suspended solids and filaments	Water loaded with suspended solids and filaments	Water loaded with suspended solids	Water loaded with suspended solids	Water loaded with suspended solids
<b>rpm</b>	2850	2850	2850	1450	1450	1450	1450 (DML) 2850 (DMLF)	950, 1450,2850	2850,1450, 950, 750
<b>Impeller</b>	Semi-open, clearance 	Semi-vortex, non-clogging 	Open impeller with suction grinder 	Two-channel open 	Non-clogging, semi-open 	Open single-channel impeller with cutter 	Single-channel impeller 	Vortex impeller 	Double/triple channel impeller 
<b>Max. free passage diameter</b>	5 to 10 mm	21 to 41 mm	6 to 7 mm	46 to 57 mm	46 to 88 mm	46 to 60 mm	76 mm (DML) 30 mm (DMLF 1,1kW) 40 mm (DMLF)	30 to 150 mm	30 to 140 mm

# DS - DSF



## Submersible electric pumps with semi-open impeller

Electric pumps with semi-open cast iron impeller and anti-clogging filter. The semi-open impeller guarantees high pump efficiency. Fitted with seal in the lower and upper part (DF) they are suitable for the pumping of clear and rain waters in civil and industrial applications.



Possibility to use in fixed and mobile installations



Filtro anti-intasamento



Impeller semiaperta a rasamento

## Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403 (DS) AISI 420B (DSF)
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR (from 6 kW and above for DSF)

## Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Maximum length of fibres	50 mm
Max. solids passage	5 mm (50DS) 6 mm (65DS) (40DSF 1,1, 1,8 kW) 7 mm (80DS) (40DSF 6 kW) 8 mm (100DS) 10 mm (65DSF)
Poles	2
Insulation class	F per DS H per DSF
Protection degree	IP68
Voltage	Three phase 380-415±10% (DS) Single phase 230±10% (DSF) Three phase 400/690±10% (DSF)

## Accessories



### Quick discharge connection

Page 384 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



### Various accessories

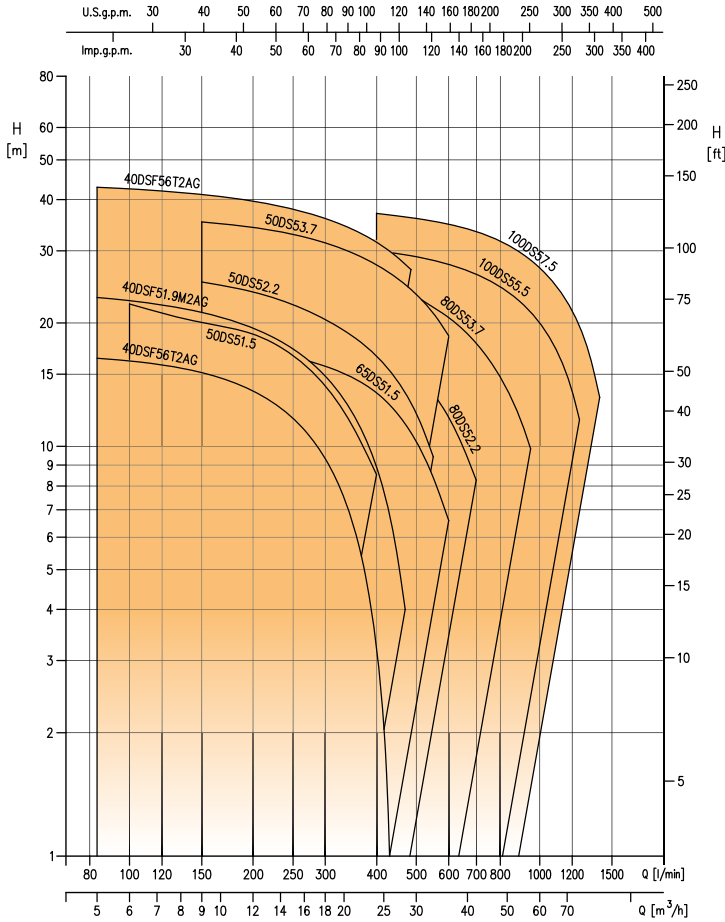
Page 385 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

# DS - DSF



Submersible electric pumps with semi-open impeller



Submersible

## Selection table

Model	HP	kW	Q=Flow rate																		
			l/min	83	100	150	200	250	300	400	433	467	483	550	600	700	800	950	1170	1250	1400
			m³/h	5	6	9	12	15	18	24	26	28	29	33	36	42	48	57	70,2	75	84
			H=Total head [m]																		
40DSF51.5M2CG	2	1,5		16,4	16,2	15,1	13,6	11,7	9,3	3,2	0,8	-	-	-	-	-	-	-	-	-	-
40DSF51.9M2AG	2,5	1,9		23,1	22,7	21,2	19,4	17,3	14,8	8,9	6,6	4,2	-	-	-	-	-	-	-	-	-
40DSF56T2AG *	8	6		43	42,5	41	39,6	37,9	36	31,5	30	28	27,1	-	-	-	-	-	-	-	-
50DS51.5-3	2	1,5		-	22,3	20,7	18,8	16,5	14	8,5	-	-	-	-	-	-	-	-	-	-	-
50DS52.2-3	3	2,2		-	-	25,2	23,7	22,1	20,4	16,6	15,2	13,6	12,9	9,4	-	-	-	-	-	-	-
50DS53.7-3	5	3,7		-	-	35,3	34,2	32,9	31,4	27,7	26,4	25,0	24,2	21,1	18,6	-	-	-	-	-	-
65DS51.5-3	2	1,5		-	-	17,5	17,1	16,5	15,7	13,5	12,5	11	10,9	8,5	6,6	-	-	-	-	-	-
80DS52.2-3	3	2,2		-	-	-	20,8	20,2	19,4	17,6	16,8	15,9	15,5	13,4	11,8	8,3	-	-	-	-	-
80DS53.7-3	5	3,7		-	-	-	-	26,3	25,8	24,6	24,0	23,5	23,1	21,8	20,6	17,8	14,8	9,9	-	-	-
100DS55.5-3	7,5	5,5		-	-	-	-	-	30,7	30	30	29,4	29,2	28,4	27,8	26,3	24,5	21,3	14,8	11,6	-
100DS57.5-3	10	7,5		-	-	-	-	-	-	37	37	36,4	36,2	35,5	34,8	33,4	31,7	28,5	22,5	19,7	13,2



# DS - DSF



Submersible electric pumps with semi-open impeller

## Single phase 230V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DSF51.5M2CG	1875000112	<b>1.683,00</b>	2	1,5	2754	9	6	40	38,0
40DSF51.9M2AG	1875000110	<b>2.042,00</b>	2,5	1,9	2773	11,4	6	40	38,0

## Three phase 400V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
40DSF56T2AG *	1875000118	<b>3.836,00</b>	8	6,0	2842	10,9	7	40	68,0
50DS51.5-3	1545500054	<b>1.523,00</b>	2	1,5	2800	3,3	5	50	25,0
50DS52.2-3	1545500055	<b>2.263,00</b>	3	2,2	2800	5	5	50	55,0
50DS53.7-3	1545500056	<b>2.506,00</b>	5	3,7	2800	7,8	5	50	61,0
65DS51.5-3	1545500057	<b>1.680,00</b>	2	1,5	2800	3,3	6	65	35,0
80DS52.2-3	1545500058	<b>2.274,00</b>	3	2,2	2800	5	7	80	59,0
80DS53.7-3	1545500059	<b>2.406,00</b>	5	3,7	2800	7,8	7	80	64,0
100DS55.5-3	1545500060	<b>2.608,00</b>	7,5	5,5	2800	10,8	8	100	92,0
100DS57.5-3	1545500061	<b>4.036,00</b>	10	7,5	2800	14,3	8	100	104,0

\* Three phase 400/690V - SD start, for the rest of the range DOL start

# DVS



## Submersible electric pumps with semi-vortex impeller

Submersible electro-pumps with cast iron semi-vortex impeller. The semi-vortex impeller pumps foreign bodies up to 70% of the diameter of the delivery mouth, while ensuring ease of maintenance. The constructive type of the impeller makes them particularly suitable for use with soiled waters and also for heavy-duty uses in residential and industrial applications.



Possibility to use in fixed and mobile installations



semi vortex anti-blockage impeller

## Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

## Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Maximum length of fibres	100 mm (50DVS) 200 mm (65DVS and 80DVS 1,5kW) 245 mm (65DVS and 80DVS 2,2-3,7 kW)
Max. solids passage	21 mm (50DVS) 33 mm (65DVS and 80DVS 1,5kW) 41 mm (65DVS and 80DVS 2,2-3,7 kW)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Three phase 380-415±10%

## Accessories



### Quick discharge connection

Page 384 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



### Various accessories

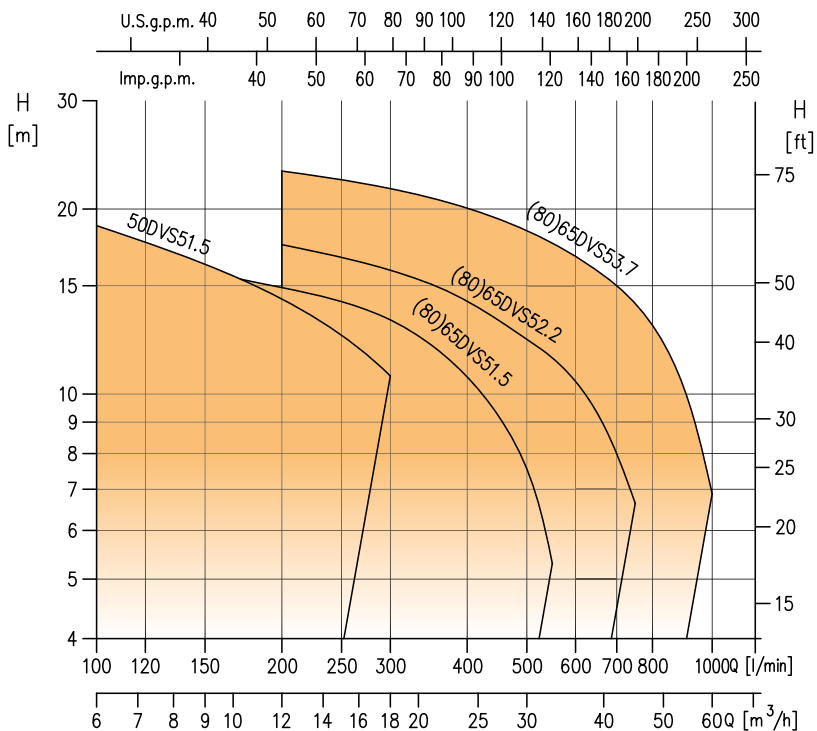
Page 385 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

# DVS



## Submersible electric pumps with semi-vortex impeller



### Selection table

Model	HP	kW	Q=Flow rate												
			l/min m³/h	100 6	150 9	200 12	300 18	400 24	500 30	550 33	600 36	700 42	750 45	900 54	1000 60
H=Total head [m]															
50DVS51.5-3	2	1,5		18,8	16,6	14,3	10,7	-	-	-	-	-	-	-	-
65DVS51.5-3	2	1,5		-	15,8	14,9	13,2	10,9	7,6	5,3	-	-	-	-	-
65DVS52.2-3	3	2,2		-	-	17,5	15,9	14,2	12,3	11,5	10,5	8,1	6,6	-	-
65DVS53.7-3	5	3,7		-	-	23,0	21,6	20,1	18,4	17,6	16,7	15,0	14,0	10,4	6,9
80DVS51.5-3	2	1,5		-	15,8	14,9	13,2	10,9	7,6	5,3	-	-	-	-	-
80DVS52.2-3	3	2,2		-	-	17,5	15,9	14,2	12,3	11,5	10,5	8,1	6,6	-	-
80DVS53.7-3	5	3,7		-	-	23,0	21,6	20,1	18,4	17,6	16,7	15,0	14,0	10,4	6,9

### Three phase 400V

Model	Code	£ Stg	HP	kW	Q=Flow rate						rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]	
					l/min	100	200	400	550	700		1000	380V	400V				415V
					m³/h	6	12	24	33	42		60						
H=Total head [m]																		
50DVS51.5-3	1545500062	<b>1.090,00</b>	2	1,5		18,8	14,3	-	-	-	-	2800	3,7	3,3	5,1	21	50	27,0
65DVS51.5-3	1545500063	<b>1.375,00</b>	2	1,5		-	14,9	10,9	5,3	-	-	2800	3,7	3,3	5,1	33	65	34,0
65DVS52.2-3	1545500065	<b>1.455,00</b>	3	2,2		-	17,5	14,2	11,5	8,1	-	2800	5,1	5	4,6	41	65	50,0
65DVS53.7-3	1545500067	<b>1.839,00</b>	5	3,7		-	23,0	20,1	17,6	15,0	6,9	2800	8,8	7,8	7,8	41	65	59,0
80DVS51.5-3	1545500064	<b>2.066,00</b>	2	1,5		-	14,9	10,9	5,3	-	-	2800	3,7	3,3	5,1	33	80	35,0
80DVS52.2-3	1545500066	<b>2.364,00</b>	3	2,2		-	17,5	14,2	11,5	8,1	-	2800	5,1	5	4,6	41	80	51,0
80DVS53.7-3	1545500068	<b>2.467,00</b>	5	3,7		-	23,0	20,1	17,6	15,0	6,9	2800	8,8	7,8	7,8	41	80	60,0

Submersible

# DML - DMLF



## Submersible electric pumps with single channel impeller

Submersible electric pumps that are particularly suitable for the evacuation of civil and industrial waste water, sewage treatment, the drainage of subsoil areas, the handling of liquids including loaded with solid and filamentous substances in the drainage of infiltration waters, handling of sewage waters (health services) and the emptying of cesspits.



Possibility to use in fixed and mobile installations



Single channel impeller

Submersible

## Technical data

<b>Max. immersion</b>	7 m per DML 20 m per DMLF
<b>Max. temperature of the liquid</b>	40°C
<b>Maximum length of fibres</b>	500m
<b>Max. solids passage</b>	76 mm (DML) 30 mm (DMLF 1,4 kW) 40 mm (DMLF)
<b>Poles</b>	2
<b>Insulation class</b>	F (DML) H (DMLF)
<b>Protection degree</b>	IP68
<b>Voltage</b>	Three phase 380-415V -10+6%, (DML 2.2 kW) - DOL Three phase 380-415V ±10% (DML 3.7÷22 kW) - Y/ Single phase 230V ±10% (DMLF)

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Cast iron
<b>Shaft</b>	AISI 403 (DML) AISI 420B (DMLF)
<b>Mechanical seal</b>	Impeller side: SiC/SiC/NBR (DML and DMLF) Motor side: Carbon/Ceramic/NBR (DML)

## Accessories



### Quick discharge connection

Page 384 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



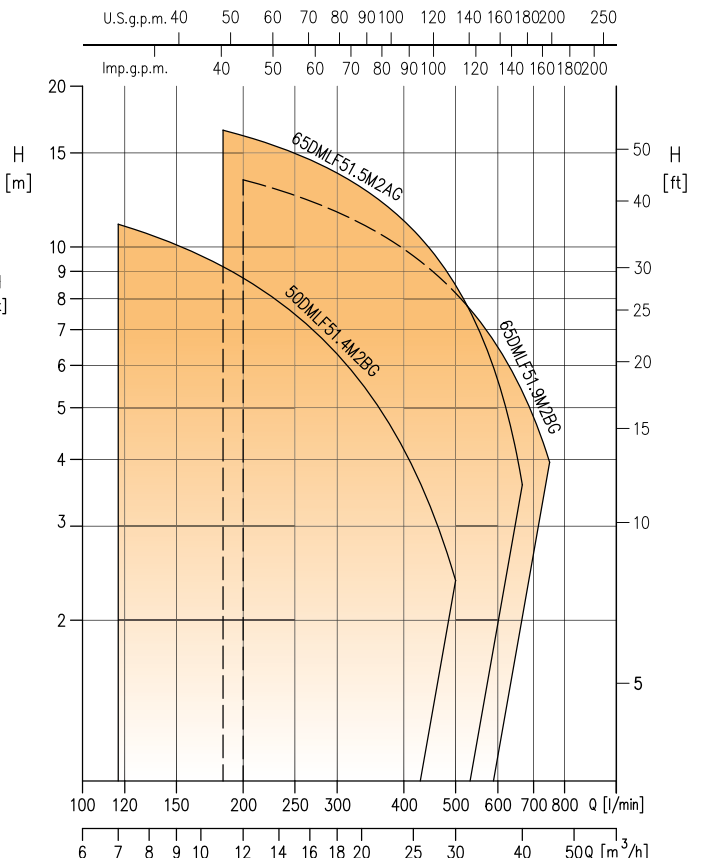
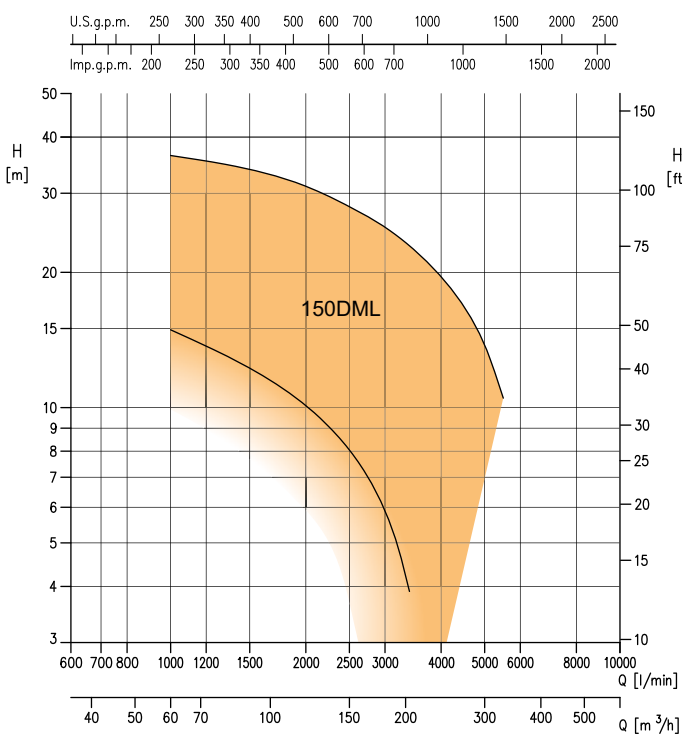
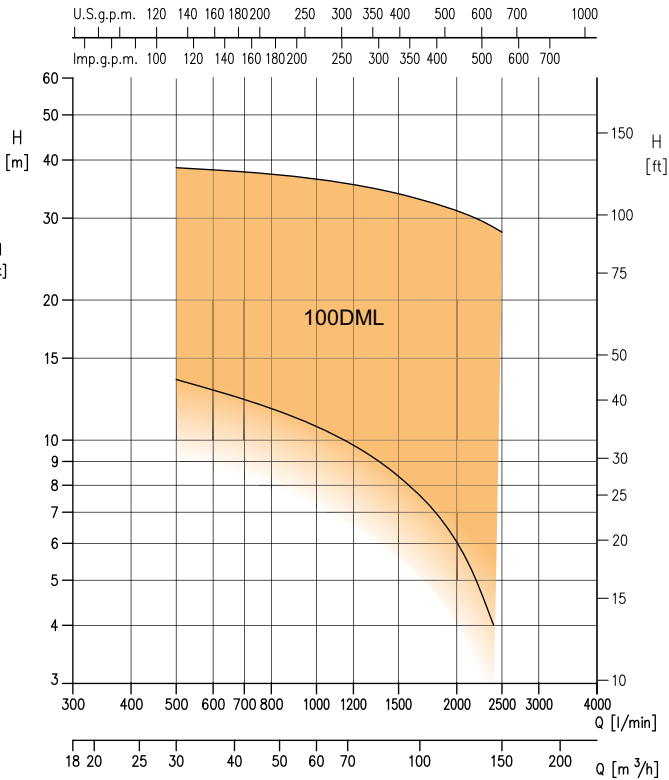
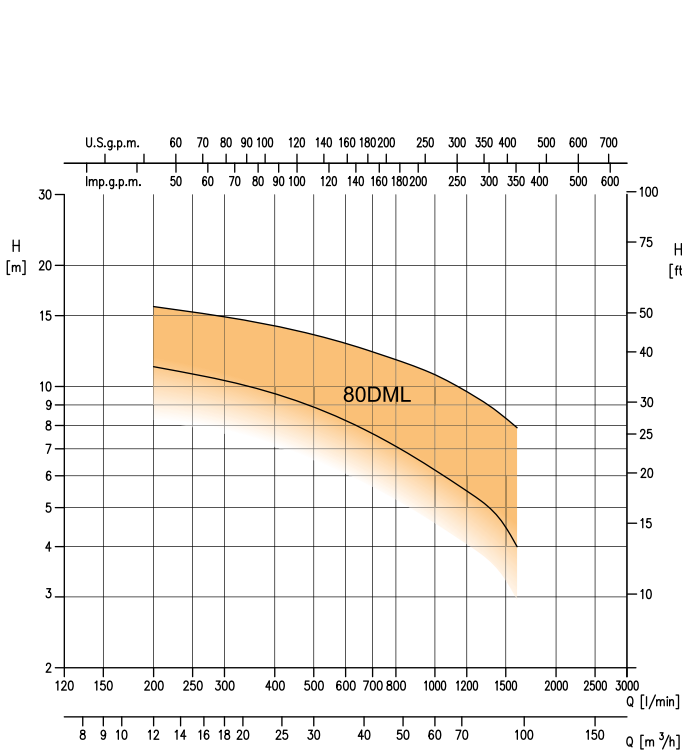
### Various accessories

Page 385 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

# DML - DMLF

Submersible electric pumps with single channel impeller



# DML - DMLF



Submersible electric pumps with single channel impeller

## 80DML Selection table

Model	HP	kW	Q=Flow rate								
			l/min m <sup>3</sup> /h	200	400	600	800	1000	1200	1400	1600
				12	24	36	48	60	72	84	96
			H=Total head [m]								
80DML52,2	3	2,2		11,2	9,6	8,2	7,1	6,2	5,5	4,9	4
80DML53,7*	5	3,7		15,8	14,2	12,8	11,7	10,7	9,7	8,8	7,9

## 100DML Selection table

Model	HP	kW	Q=Flow rate								
			l/min m <sup>3</sup> /h	500	1000	1300	1600	1900	2200	2400	2500
				30	60	78	96	114	132	144	150
			H=Total head [m]								
100DML53,7*	5	3,7		13,5	10,7	9,3	7,9	6,5	5,0	4,0	-
100DML55,5*	7,5	5,5		17,9	14,9	13,4	11,9	10,6	9,3	8,5	-
100DML57,5*	10	7,5		20,6	18,0	16,7	15,5	14,2	13,0	12,1	-
100DML511*	15	11		27,5	25,2	23,7	22,2	20,7	19,1	18,0	17,5
100DML515*	20	15		33,5	31,3	29,8	28,3	26,7	25,1	24,0	23,4
100DML522*	30	22		38,5	36,4	34,9	33,3	31,7	30,0	28,7	28,0

## 150DML Selection table

Model	HP	kW	Q=Flow rate									
			l/min m <sup>3</sup> /h	1000	2000	2500	3000	3400	4000	4500	5000	5500
				60	120	150	180	204	240	270	300	330
			H=Total head [m]									
150DML55,5*	7,5	5,5		14,9	10,1	8,0	5,9	3,9	-	-	-	-
150DML57,5*	10	7,5		18,0	13,7	11,6	9,5	7,5	4,0	-	-	-
150DML511*	15	11		25,2	20,2	17,5	14,7	12,2	8,6	5,4	-	-
150DML515*	20	15		31,3	26,1	23,4	20,6	18,2	14,8	11,9	8,6	-
150DML522*	30	22		36,4	31,1	28,0	25,2	22,9	19,5	16,8	13,8	10,5

## 50-65DMLF Selection table

Model	HP	kW	Q=Flow rate										
			l/min m <sup>3</sup> /h	117	183	200	300	350	400	500	600	667	750
				7	11	12	18	21	24	30	36	40	45
			H=Total head [m]										
50DMLF51.4M2BG *	1,5	1,4		11,0	9,2	8,7	6,3	5,2	4,2	2,4	-	-	-
65DMLF51.5M2AG *	1,5	1,5		-	16,5	16,2	13,7	12,5	11,2	8,5	5,6	3,6	-
65DMLF51.9M2BG *	2,5	1,9		-	-	13,4	11,6	10,8	9,9	8,2	6,5	5,4	4

# DML - DMLF



Submersible electric pumps with single channel impeller

## Three phase 400V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
80DML52,2	2090100004A	<b>2.107,00</b>	3	2,2	1450	5,2	76	80	80,0
80DML53,7*	2090120004A	<b>2.441,00</b>	5	3,7	1450	8,4	76	80	87,0
100DML53,7*	2090120104A	<b>2.403,00</b>	5	3,7	1450	8,4	76	100	89,0
100DML55,5*	2090130004A	<b>3.243,00</b>	7,5	5,5	1450	12,6	76	100	121,0
100DML57,5*	2090140004A	<b>3.503,00</b>	10	7,5	1450	16,9	76	100	125,0
100DML511*	2090160004A	<b>4.452,00</b>	15	11	1450	23,8	76	100	160,0
100DML515*	2090170004A	<b>4.869,00</b>	20	15	1450	31	76	100	166,0
100DML522*	2090190004A	<b>6.900,00</b>	30	22	1450	42	76	100	226,0
150DML55,5*	2090130104A	<b>3.318,00</b>	7,5	5,5	1450	12,6	76	150	127,0
150DML57,5*	2090140104A	<b>3.583,00</b>	10	7,5	1450	16,9	76	150	132,0
150DML511*	2090160104A	<b>4.532,00</b>	15	11	1450	23,8	76	150	166,0
150DML515*	2090170104A	<b>4.944,00</b>	20	15	1450	31	76	150	172,0
150DML522*	2090190104A	<b>6.917,00</b>	30	22	1450	42	76	150	232,0

\* Three phase 400/690V - SD start, for the rest of the range DOL start

## Single phase 230V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
50DMLF51.4M2BG *	1875000188	<b>1.782,00</b>	1,9	1,4	2850	8,4	30	50	31,0
65DMLF51.5M2AG *	1875000191	<b>1.798,00</b>	2	1,5	2850	9	30	65	42,0
65DMLF51.9M2BG *	1875000193	<b>2.157,00</b>	2,5	1,9	2850	11,4	40	65	45,0

\* Required flange or elbow in case of movable installation

# DMLV - DMLVF



## Submersible electric pumps with vortex impeller

Submersible electric pumps fitted with Type Vortex impeller, pump body and cast iron elbow.

The type of impeller, combined with the anti - vortex system in the oil chamber (for DMLV), makes them ideal for use with sewage and with especially heavy-duty uses such as civil and industrial waste water or liquids containing solid and filamentous suspended substances.



Possibility to use in fixed and mobile installations



Vortex impeller

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Cast iron
<b>Shaft</b>	AISI 403 (DML) AISI 420B (DMLF)
<b>Mechanical seal</b>	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

## Technical data

<b>Max. immersion</b>	7 m
<b>Max. temperature of the liquid</b>	40°C
<b>Maximum length of fibres</b>	400 mm (80DMLV) 500 mm (100DMLV)
<b>Max. solids passage</b>	80÷100 mm (DMLV) 30÷80 mm (DMLVF)
<b>Poles</b>	2
<b>Insulation class</b>	F (DMLV) H (DMLVF)
<b>Protection degree</b>	IP68
<b>Voltage</b>	Three phase 380-415V -10 +6% (DMLV 2,2 kW) - DOL Three phase 380-415V ±10% (DMLV 3,7÷22 kW) - Y/ Single phase 230V ±10% (DMLVF) Three phase 400/690V ±10% (DMLVF)

## Accessories



### Quick discharge connection

Page 384 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



### Various accessories

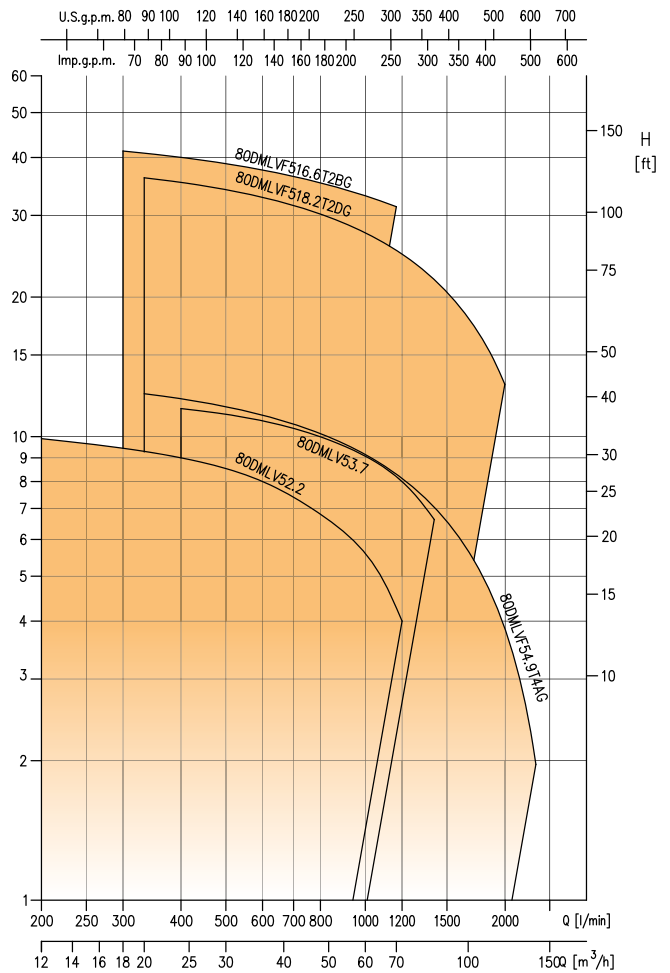
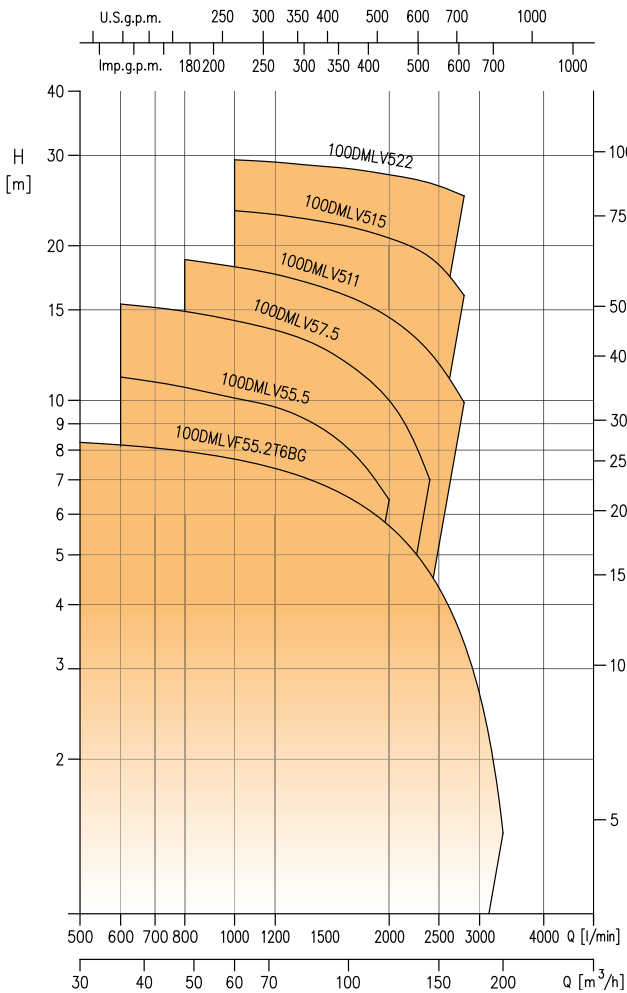
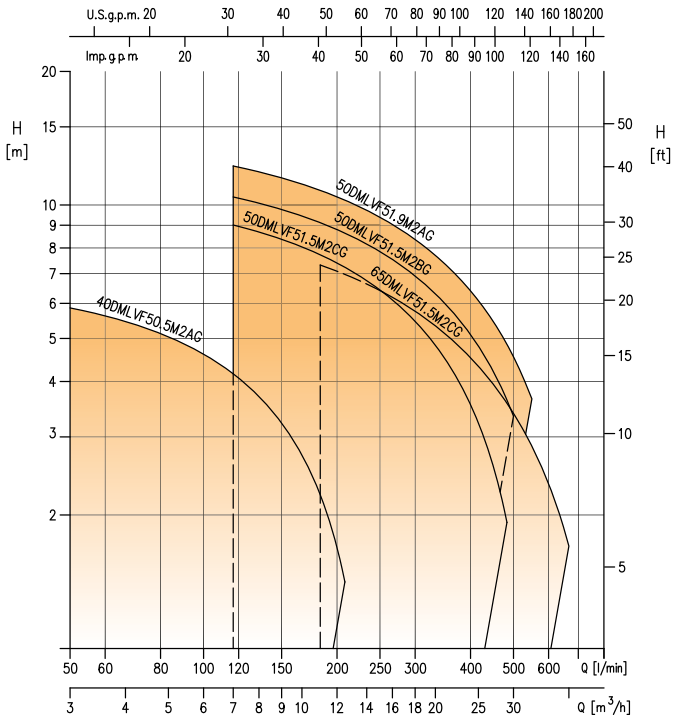
Page 385 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange



# DMLV - DMLVF

Submersible electric pumps with vortex impeller



Submersible

# DMLV - DMLVF



Submersible electric pumps with vortex impeller

**40-50-65DMLVF Selection table**

Model	HP	kW	Q=Flow rate													
			l/min	50	117	183	208	250	300	350	400	483	500	550	667	
			m <sup>3</sup> /h	3	7	11	12,5	15	18	21	24	29	30	33	40	
H=Total head [m]																
40DMLVF50.5M2AG	0,7	0,5		5,9	4,2	2,2	1,4	-	-	-	-	-	-	-	-	-
50DMLVF51.5M2CG	2	1,5		-	9	7,7	7,2	6,4	5,5	4,5	3,5	1,9	-	-	-	-
50DMLVF51.5M2BG	2	1,5		-	10,4	9,1	8,6	7,8	6,9	6,0	5,1	3,6	3,4	-	-	-
50DMLVF51.9M2AG	2,5	1,9		-	12,2	10,8	10,3	9,4	8,4	7,4	6,4	4,8	4,5	3,7	-	-
65DMLVF51.5M2CG	2	1,5		-	-	7,3	7,0	6,4	5,8	5,1	4,5	3,6	3,4	2,9	1,7	-

**80DMLV-80DMLVF Selection table**

Model	HP	kW	Q=Flow rate													
			l/min	200	300	333	400	600	900	1167	1200	1320	1400	2000	2100	2333
			m <sup>3</sup> /h	12	18	20	24	36	54	70	72	79	84	120	126	140
H=Total head [m]																
80DMLV52.2	3	2,2		9,9	9,5	9,3	9,0	8	6,4	4,1	4	-	-	-	-	-
80DMLV53.7	5	3,7		-	-	-	11,5	10,7	9,4	9,1	7,9	7,2	6,4	-	-	-
80DMLVF54.9T4AG	6,6	4,9		-	-	12,4	12,1	11,1	9,6	8,3	8,1	7,5	7,1	3,8	3	2
80DMLVF516.6T2BG	22,3	16,6		-	41,3	40,9	40,0	37,6	34,2	31,3	-	-	-	-	-	-
80DMLVF518.2T2DG	24,4	18,2		-	-	36,2	35,4	32,8	28,9	25,2	24,8	23,1	21,9	13,0	-	-

**100DMLV-100DMLVF Selection table**

Model	HP	kW	Q=Flow rate											
			l/min	500	600	800	1000	1200	1700	2000	2400	2800	3333	
			m <sup>3</sup> /h	30	36	48	60	72	102	120	144	168	200	
H=Total head [m]														
100DMLVF55.2T6BG	7	5,2		8,3	8,2	8	7,7	7,4	6,4	5,7	4,6	3,4	1,4	-
100DMLV5.5	7,5	5,5		-	11,1	10,6	10,1	9,7	7,9	6,4	-	-	-	-
100DMLV57.5	10	7,5		-	15,4	14,9	14,3	13,7	11,6	10	7	-	-	-
100DMLV511	15	11		-	-	18,8	18,2	17,6	15,8	14,5	12,4	9,9	-	-
100DMLV515	20	15		-	-	-	23,4	23	21,7	20,7	19	16	-	-
100DMLV522	30	22		-	-	-	29,4	29,1	28,2	27,5	26,5	25	-	-

# DMLV - DMLVF



Submersible electric pumps with vortex impeller

## Three phase 400V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
80DMLV52.2 *	2090101004	<b>1.974,00</b>	3	2,2	1450	5,2	80	80	70,0
80DMLV53.7	2090121004	<b>2.235,00</b>	5	3,7	1450	8,4	80	80	80,0
100DMLV55,5	2090131004	<b>3.039,00</b>	7,5	5,5	1450	12,6	100	100	105,0
100DMLV57,5	2090141004	<b>3.289,00</b>	10	7,5	1450	16,9	100	100	120,0
100DMLV511	2090161004	<b>4.169,00</b>	15	11	1450	23,8	100	100	150,0
100DMLV515L	2090171004	<b>4.627,00</b>	20	15	1450	31	100	100	180,0
100DMLV522	2090191004	<b>7.595,00</b>	30	22	1450	42	100	100	235,0

\* Three phase 400/690V - SD start, for the rest of the range DOL start

## Single phase 230V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DMLVF50.5M2AG *	1875000130	<b>741,00</b>	0,7	0,5	2850	3,2	30	32	14,0
50DMLVF51.5M2CG *	1875000137	<b>1.690,00</b>	2	1,5	2850	9	50	50	43,0
50DMLVF51.5M2BG *	1875000136	<b>1.872,00</b>	2	1,5	2850	9	50	50	43,0
50DMLVF51.9M2AG *	1875000135	<b>2.056,00</b>	2,5	1,9	2850	11,4	50	50	43,0
65DMLVF51.5M2CG *	1875000140	<b>1.965,00</b>	2	1,5	2850	9	65	65	44,0

## Three phase 400/690V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 400/690V	Passage [mm]	DNM	Weight [kg]
80DMLVF54.9T4AG *	1875000177	<b>4.194,00</b>	6,6	4,9	1401	9,9	64	80	79,0
80DMLVF516.6T2BG *	1875000152	<b>9.540,00</b>	22,3	16,6	2881	29,8	40x50	80	191,0
80DMLVF518.2T2DG *	1875000153	<b>9.903,00</b>	24,4	18,2	2891	32,6	80	80	192,0
100DMLVF55.2T6BG *	1875000182	<b>7.534,00</b>	7	5,2	941	10,4	80	100	170,0

\* Required flange or elbow in case of movable installation

# DL



## Submersible sewage pumps

Cast iron submersible pumps, possibility to choose between different types of impeller such as: open single-channel with cutting action, open twin or semi-open anti-clogging designed to prevent clogging of the pump itself. Suitable for sewage with solid and fibrous bodies available in a wide power range (up to 45 kW) and with different inlet diameters.



Possibility to use in fixed and mobile installations



Impeller bicanale aperta



Impeller monocanale aperta con azione di taglio



Impeller anti-intasamento semiaperta

## Technical data

Max. immersion 7 m

Max. temperature of the liquid 40°C

Lunghezza max corpi fibrosi:

195 (65DL)
240 (80DL, all DLC)
300 (100DL, 100DLB)
400 (150DL up to 22kW)
500 (200DL up to 22kW)
500 (all 30÷44 kW)
550 (250DL up to 22kW)
600 (300DL up to 22kW)

Max. solids passage

35 (65DL)
50 (80DL, all DLC)
60 (100DL, 100DLB)
70 (150DL up to 22kW)
76 (200DL up to 22kW)
76 (all 30÷44 kW)
82 (250DL up to 22kW)
90 (300DL up to 22kW)

Poles 2

Insulation class F

Protection degree IP68

Voltage

Three phase 380-415±10% (1,5÷7,5kW)
Three phase 400-415±10% (Δ start 11÷22kW)
Three phase 380-415±10% (Δ start 30÷45kW)

## Accessories



### Quick discharge connection

Page 384 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor

## Materials

Pump body Cast iron

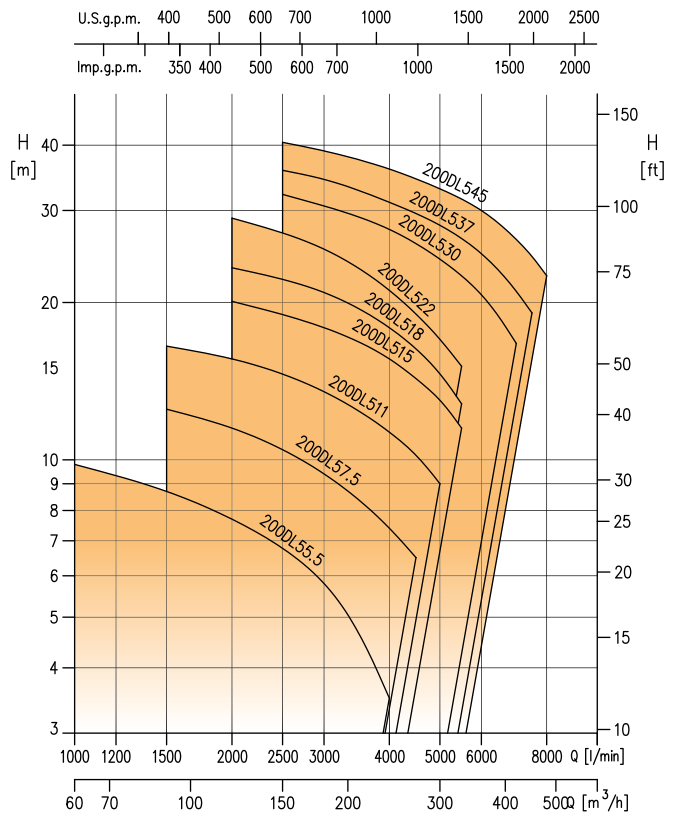
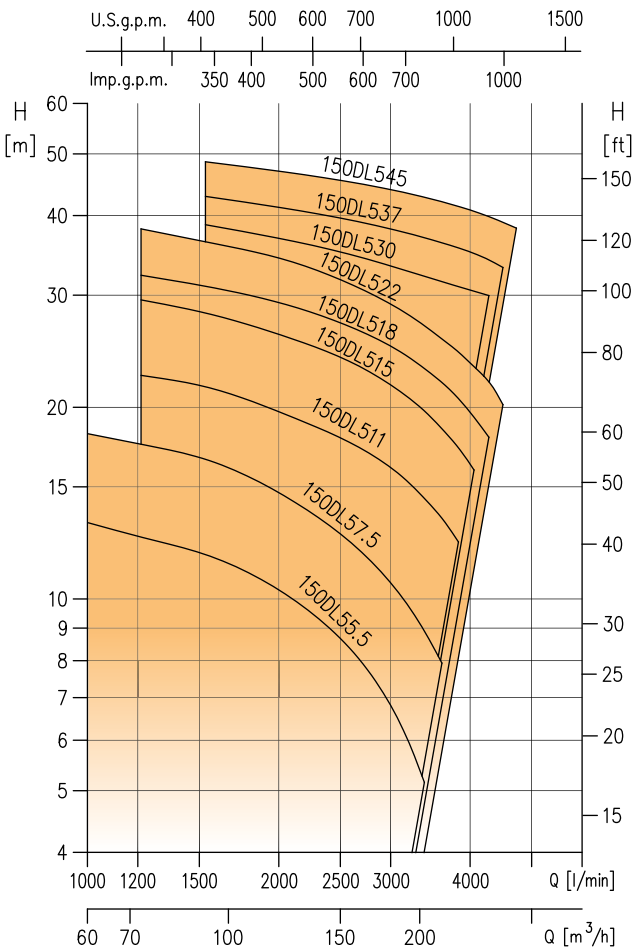
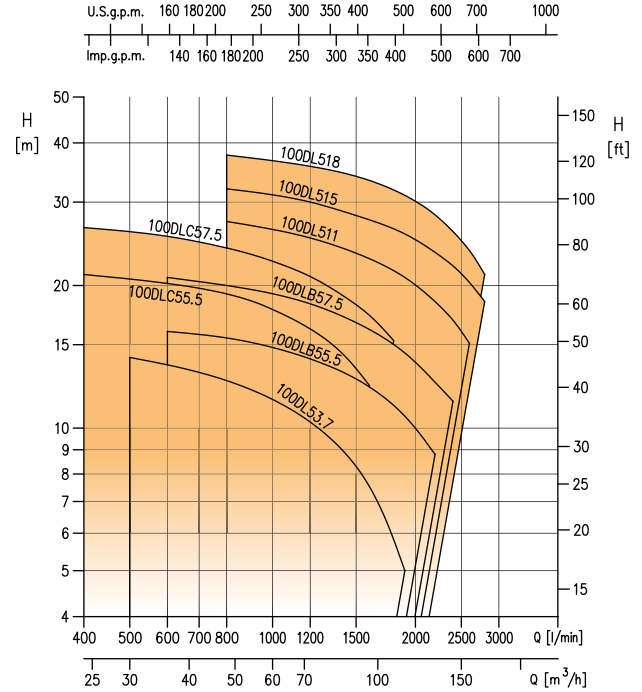
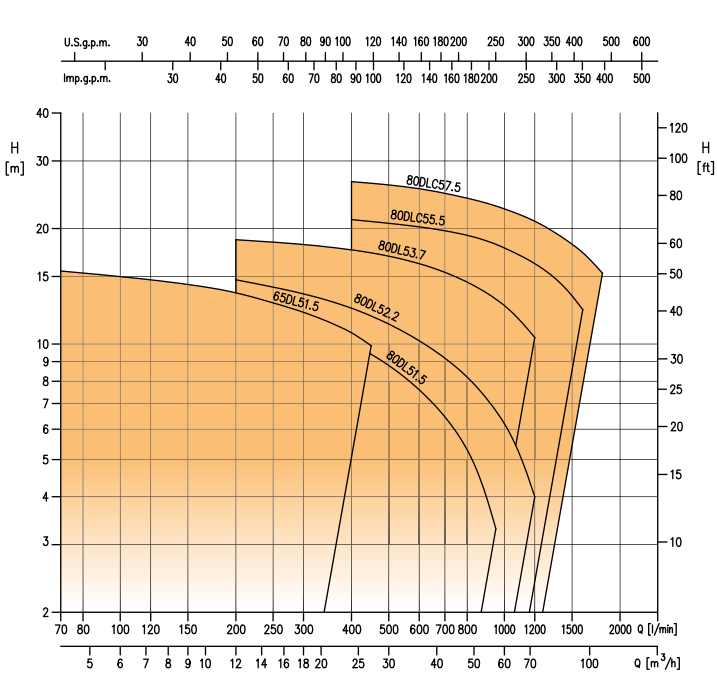
Impeller Cast iron

Shaft AISI 403

Mechanical seal  
Impeller side: SiC/SiC/NBR  
Motor side: Carbon/Ceramic/NBR

# DL

## Submersible sewage pumps



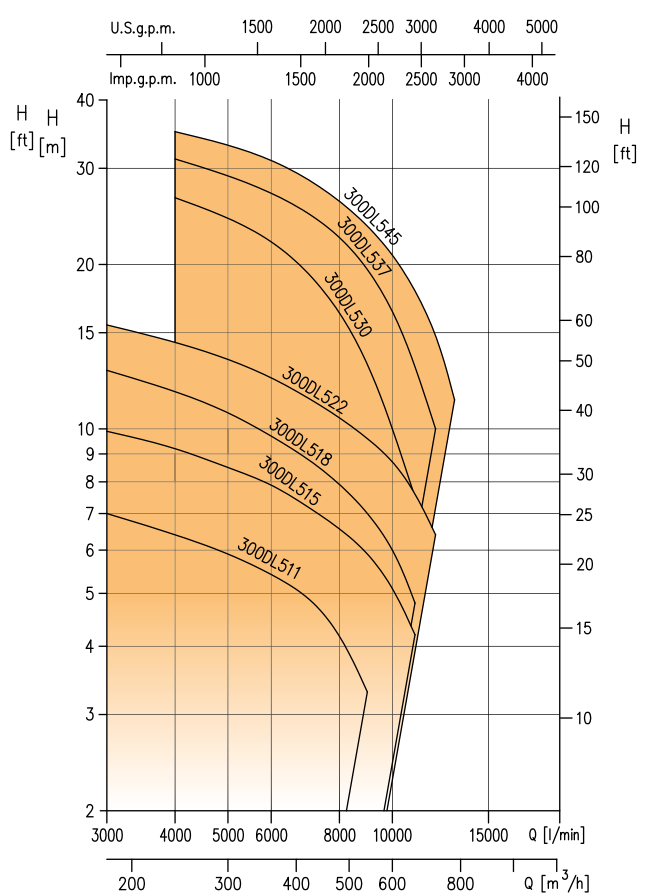
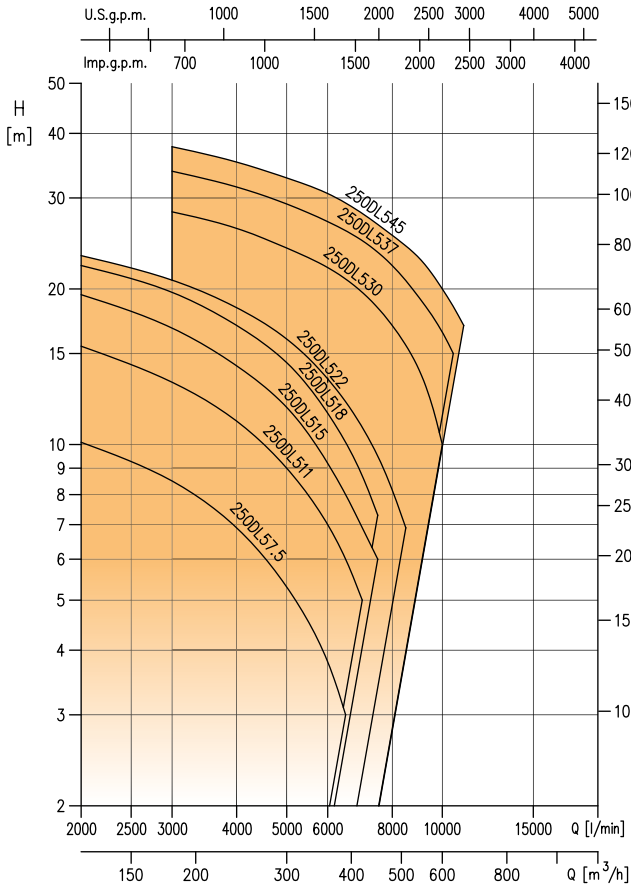
Submersible

# DL

## Submersible sewage pumps



Submersible



# DL



## Submersible sewage pumps

### 65-80DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	70	150	200	400	450	600	800	950	1000	1200	1400	1600	1800	
			m <sup>3</sup> /h	4	9	12	24	27	36	48	57	60	72	84	96	108	
			H=Total head [m]														
65DL51,5	2	1,5		15,5	14,3	13,6	10,7	9,9	-	-	-	-	-	-	-	-	-
80DL51,5	2	1,5		-	-	12,2	10,0	9,4	7,6	5,3	3,3	-	-	-	-	-	-
80DL52,2	3	2,2		-	-	14,7	12,4	11,8	10,2	8,2	6,7	6,2	4,0	-	-	-	-
80DL53,7	5	3,7		-	-	18,7	17,6	17,3	16,2	14,5	13,1	12,6	10,4	-	-	-	-
80DLC55,5	7,5	5,5		-	-	-	21,1	20,9	20,2	19,2	18,2	17,8	16,2	14,4	12,3	-	-
80DLC57,5	10	7,5		-	-	-	26,5	26,3	25,4	24,0	22,9	22,5	20,9	19,1	17,3	15,3	-

### 100DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	400	500	600	800	1200	1500	1600	1800	1900	2200	2400	2600	2800	
			m <sup>3</sup> /h	24	30	36	48	72	90	96	108	114	132	144	156	168	
			H=Total head [m]														
100DLC55,5	7,5	5,5		21,1	20,7	20,2	19,2	16,2	13,3	12,3	-	-	-	-	-	-	-
100DLC57,5	10	7,5		26,5	25,9	25,4	24,0	20,9	18,3	17,3	15,3	-	-	-	-	-	-
100DL53,7	5	3,7		-	14,1	13,6	12,6	10,3	8,3	7,5	5,9	5,0	-	-	-	-	-
100DLB55,5	7,5	5,5		-	-	16,0	15,5	14,0	12,7	12,2	11,1	10,6	8,8	-	-	-	-
100DLB57,5	10	7,5		-	-	20,8	20,0	18,3	16,7	16,1	15,1	15,0	12,5	11,4	-	-	-
100DL511	15	11		-	-	-	27,3	25,2	23,4	22,8	21,5	20,8	18,5	16,9	15,1	-	-
100DL515	20	15		-	-	-	32,0	30,0	28,1	27,6	26,4	25,7	23,5	22,0	20,3	18,5	-
100DL518,5	25	18,5		-	-	-	37,7	35,7	34,0	33,4	31,9	31,0	28,2	26,0	23,7	21,1	-

### 150DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	1000	1200	1500	2000	2500	3000	3200	3400	3500	3600	3800	4000	4200	4400
			m <sup>3</sup> /h	60	72	90	120	150	180	192	204	210	216	228	240	252	264
			H=Total head [m]														
150DL55,5	7,5	5,5		12,5	11,9	11,2	9,7	8,0	6,0	5,1	-	-	-	-	-	-	-
150DL57,5	10	7,5		17,0	16,4	15,2	13,6	11,6	9,5	8,6	7,7	-	-	-	-	-	-
150DL511	15	11		-	20,8	20,0	18,1	16,4	14,5	13,6	12,7	12,2	11,7	-	-	-	-
150DL515	20	15		-	27,0	25,8	23,7	21,7	19,4	18,4	17,3	16,8	16,2	15,0	-	-	-
150DL518,5	25	18,5		-	29,4	28,3	26,5	24,5	22,3	21,3	20,3	19,8	19,2	18,0	16,8	-	-
150DL522	30	22		-	34,5	33,0	30,9	28,4	25,8	24,7	23,6	23,0	22,4	21,2	20,5	18,8	-
150DL530	40	30		-	-	35,0	33,2	31,5	29,9	29,3	28,8	28,5	28,3	27,8	27,4	-	-
150DL537	50	37		-	-	38,6	37,0	35,5	34,1	33,5	32,9	32,6	32,3	31,7	31,0	30,2	-
150DL545	60	45		-	-	43,5	42,0	40,5	39,1	38,5	37,9	37,6	37,3	36,7	36,0	35,3	34,6

Submersible

# DL



## Submersible sewage pumps

### 250DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	2000	3000	4000	5000	6000	6500	7000	7500	8000	8500	9000	10000	10500	11000
			m <sup>3</sup> /h	120	180	240	300	360	390	420	450	480	510	540	600	630	660
			H=Total head [m]														
250DL57.5	10	7,5		10,1	8,5	6,9	5,3	3,8	3,0	-	-	-	-	-	-	-	-
250DL511	15	11		15,5	13,2	11,1	9,0	7,0	6,0	5,0	-	-	-	-	-	-	-
250DL515	20	15		19,5	16,8	14,2	11,8	9,2	8,0	6,9	6,0	-	-	-	-	-	-
250DL518.5	25	18,5		22,2	19,7	17,0	14,4	11,5	10,1	8,7	7,3	-	-	-	-	-	-
250DL522	30	22		23,2	20,8	18,4	16,0	13,4	12,1	10,8	9,5	8,2	6,9	-	-	-	-
250DL530	40	30		-	28,2	26,2	24,0	22,0	20,9	19,7	18,4	17,0	15,6	14,0	10,0	-	-
250DL537	50	37		-	33,8	31,5	29,2	27,0	25,9	24,8	23,5	22,2	20,8	19,3	16,5	15,0	-
250DL545	60	45		-	37,7	35,2	32,8	30,6	29,3	28,0	26,7	25,4	24,2	23,0	20,0	18,5	17,0

### 300DL Selection table

Model	HP	kW	Q=Flow rate													
			l/min	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000		
			m <sup>3</sup> /h	180	240	300	360	420	480	540	600	660	720	780		
			H=Total head [m]													
300DL511	15	11		7,0	6,4	5,9	5,5	4,9	4,2	3,3	-	-	-	-	-	-
300DL515	20	15		9,9	9,2	8,5	8,0	7,2	6,6	5,9	5,1	4,2	-	-	-	-
300DL518.5	25	18,5		12,8	11,7	10,7	9,7	8,8	7,9	7,0	6,0	4,8	-	-	-	-
300DL522	30	22		15,5	14,4	13,4	12,4	11,4	10,5	9,6	8,7	7,6	6,4	-	-	-
300DL530	40	30		-	26,5	24,4	22,0	19,3	16,3	13,1	10,0	7,5	-	-	-	-
300DL537	50	37		-	31,2	29,2	27,0	24,8	22,4	19,6	16,4	13,0	10,0	-	-	-
300DL545	60	45		-	35,0	33,1	31,0	28,6	26,1	23,5	20,8	17,9	14,8	11,3	-	-

### DL W/C Selection table

Model	HP	kW	Q=Flow rate															
			l/min	100	250	300	400	500	700	900	1000	1100	1200	1400	1600	2000	2400	2500
			m <sup>3</sup> /h	6	15	18	24	30	42	54	60	66	72	84	96	120	144	150
			H=Total head [m]															
65DL51.5 W/C	2	1,5		13,7	12,0	11,4	10,0	8,5	-	-	-	-	-	-	-	-	-	
80DL51.5 W/C	2	1,5		-	10,7	10,3	9,3	8,2	5,9	3,4	-	-	-	-	-	-	-	
80DL52.2 W/C	3	2,2		-	-	12,9	12,0	11,1	9,0	6,8	5,7	4,6	-	-	-	-	-	
80DL53.7 W/C	5	3,7		-	-	-	17,0	16,4	14,9	13,4	12,6	11,6	10,4	-	-	-	-	
100DL53.7 W/C	5	3,7		-	-	-	-	14,1	13,1	12,2	11,7	11,2	10,6	9,2	7,6	4,0	-	
100DLB55.5 W/C	7,5	5,5		-	-	-	-	-	15,7	15,1	14,8	14,5	14,1	13,3	12,3	10,1	7,5	
100DLB57.5 W/C	10	7,5		-	-	-	-	-	20,2	19,4	19,0	18,6	18,1	17,2	16,1	13,7	10,7	



# DL



## Submersible sewage pumps

Three phase 380-400-415V											
Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]
						380V	400V	415V			
65DL51,5	1545500000	<b>1.667,00</b>	2	1,5	1450	1,5	3,9	4,1	46	65	52,0
80DL51,5	1545500001	<b>2.193,00</b>	2	1,5	1450	1,5	3,9	4,1	46	80	55,0
80DL52,2	1545500002	<b>2.484,00</b>	3	2,2	1450	2,2	5,2	5,2	46	80	67,0
80DL53,7	1545500003	<b>2.974,00</b>	5	3,7	1450	3,7	8,3	7,6	46	80	75,0
80DLC55,5	1545500004	<b>4.168,00</b>	7,5	5,5	1450	5,5	11,3	10,7	46	80	134,0
80DLC57,5	1545500005	<b>4.490,00</b>	10	7,5	1450	7,5	15,5	14,8	46	80	148,0
100DLC55,5	1545500006	<b>5.179,00</b>	7,5	5,5	1450	5,5	11,3	10,7	46	100	134,0
100DLC57,5	1545500007	<b>5.410,00</b>	10	7,5	1450	7,5	15,5	14,8	46	100	148,0
100DL53,7	1545500008	<b>3.550,00</b>	5	3,7	1450	3,7	8,3	7,6	57	100	79,0
100DLB55,5	1545500009	<b>5.472,00</b>	7,5	5,5	1450	5,5	11,3	10,7	57	100	123,0
100DLB57,5	1545500010	<b>6.347,00</b>	10	7,5	1450	7,5	15,5	14,8	57	100	141,0
100DL511	1545500011	<b>7.141,00</b>	15	11	1450	11	21,5	21	57	100	180,0
100DL515	1545500012	<b>8.541,00</b>	20	15	1450	15	28,5	27	57	100	230,0
100DL518,5	1545500013	<b>11.902,00</b>	25	18,5	1450	18,5	35	34	57	100	285,0
150DL55,5	1545500014	<b>5.410,00</b>	7,5	5,5	1450	5,5	11,3	10,7	68	150	146,0
150DL57,5	1545500015	<b>7.330,00</b>	10	7,5	1450	7,5	15,5	14,8	68	150	158,0
150DL511	1545500016	<b>8.645,00</b>	15	11	1450	11	21,5	21	68	150	199,0
150DL515	1545500017	<b>9.398,00</b>	20	15	1450	15	28,5	27	68	150	237,0
150DL518,5	1545500018	<b>15.452,00</b>	25	18,5	1450	18,5	35	34	68	150	300,0
150DL522	1545500019	<b>17.332,00</b>	30	22	1450	22	42	40	68	150	325,0
150DL530	1545500122	<b>24.598,00</b>	40	30	1450	30	58	58,5	76	150	350,0
150DL537	1545500123	<b>29.151,00</b>	50	37	1450	37	72,5	73,5	76	150	350,0
150DL545	1545500124	<b>31.736,00</b>	60	45	1450	45	87,5	88,5	76	150	350,0
200DL55,5	1545500020	<b>7.183,00</b>	7,5	5,5	1450	5,5	11,3	10,7	73	200	160,0
200DL57,5	1545500021	<b>8.270,00</b>	10	7,5	1450	7,5	15,5	14,8	73	200	176,0
200DL511	1545500022	<b>12.738,00</b>	15	11	1450	11	21,5	21	73	200	212,0
200DL515	1545500023	<b>14.826,00</b>	20	15	1450	15	28,5	27	73	200	260,0
200DL518,5	1545500024	<b>18.374,00</b>	25	18,5	1450	18,5	35	34	t73	200	305,0
200DL522	1545500025	<b>22.341,00</b>	30	22	1450	22	42	40	73	200	330,0
200DL530	1545500125	<b>25.411,00</b>	40	30	1450	30	58	58,5	76	200	350,0
200DL537	1545500126	<b>30.110,00</b>	50	37	1450	37	72,5	73,5	76	200	370,0
200DL545	1545500127	<b>33.074,00</b>	60	45	1450	45	87,5	88,5	76	200	370,0
250DL57,5	1545500026	<b>9.146,00</b>	10	7,5	1450	7,5	15,5	14,8	79	250	260,0
250DL511	1545500027	<b>13.782,00</b>	15	11	1450	11	21,5	21	79	250	320,0
250DL515	1545500028	<b>15.660,00</b>	20	15	1450	15	28,5	27	79	250	380,0
250DL518,5	1545500029	<b>19.899,00</b>	25	18,5	1450	18,5	35	34	79	250	420,0
250DL522	1545500030	<b>24.346,00</b>	30	22	1450	22	42	40	79	250	440,0
250DL530	1545500128	<b>29.149,00</b>	40	30	1450	30	58	58,5	76	250	458,0
250DL537	1545500129	<b>32.493,00</b>	50	37	1450	37	72,5	73,5	76	250	522,0
250DL545	1545500130	<b>34.660,00</b>	60	45	1450	45	87,5	88,5	76	250	540,0
300DL511	1545500031	<b>15.954,00</b>	15	11	1450	11	21,5	21	88	300	365,0
300DL515	1545500032	<b>17.206,00</b>	20	15	1450	15	28,5	27	88	300	395,0
300DL518,5	1545500033	<b>22.633,00</b>	25	18,5	1450	18,5	35	34	88	300	440,0
300DL522	1545500034	<b>27.415,00</b>	30	22	1450	22	42	40	88	300	465,0
300DL530	1545500131	<b>30.068,00</b>	40	30	1450	30	58	58,5	76	300	458,0
300DL537	1545500132	<b>36.177,00</b>	50	37	1450	37	72,5	73,5	76	300	522,0
300DL545	1545500133	<b>36.937,00</b>	60	45	1450	45	87,5	88,5	76	300	540,0

(\*) Pump supplied with QDC  
 (\*\*) Pump supplied with QDC and reducer

# DL



## Submersible sewage pumps

### Three phase 380-400-415V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]
						380V	400V	415V			
150DL530 (*)	1545500134	<b>26.449,00</b>	40	30	1450	59	58	58,5	76	150	430,0
150DL537 (*)	1545500135	<b>31.342,00</b>	50	37	1450	72,5	72,5	73,5	76	150	430,0
150DL545 (*)	1545500136	<b>34.126,00</b>	60	45	1450	88	87,5	88,5	76	150	430,0
200DL530 (*)	1545500143	<b>27.325,00</b>	40	30	1450	59	58	58,5	76	200	430,0
200DL537 (*)	1545500144	<b>32.377,00</b>	50	37	1450	72,5	72,5	73,5	76	200	450,0
200DL545 (*)	1545500145	<b>34.763,00</b>	60	45	1450	88	87,5	88,5	76	200	450,0
250DL530 (**)	1545500140	<b>32.331,00</b>	40	30	1450	59	58	58,5	76	250	658,0
250DL537 (**)	1545500141	<b>36.596,00</b>	50	37	1450	72,5	72,5	73,5	76	250	722,0
250DL545 (**)	1545500142	<b>38.582,00</b>	60	45	1450	88	87,5	88,5	76	250	740,0
300DL530 (*)	1545500137	<b>32.435,00</b>	40	30	1450	59	58	58,5	76	300	658,0
300DL537 (*)	1545500138	<b>34.935,00</b>	50	37	1450	72,5	72,5	73,5	76	300	722,0
300DL545 (*)	1545500139	<b>37.270,00</b>	60	45	1450	88	87,5	88,5	76	300	740,0

# DL W/C



## Submersible sewage pumps with cutter

Cast iron submersible pumps with cutter, possibility to choose between different types of impeller such as: open single-channel with cutting action, open twin or semi-open anti-clogging designed to prevent clogging of the pump itself. Suitable for sewage with solid and fibrous bodies available in a wide power range (up to 45 kW) and with different inlet diameters.



Possibility to use in fixed and mobile installations



Impeller bicanale aperta



Impeller monocanale aperta con azione di taglio



Impeller anti-intasamento semiaperta

## Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

## Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Lunghezza max corpi fibrosi:	195 mm (65DLW/C) 240 mm (80DLW/C) 300 mm (100DLW/C)
Max. solids passage	35 mm (65DLW/C) 50 mm (80DLW/C) 60 mm (100DLB W/C)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Three phase 380-415±10% (1,5÷7,5kW)

## Accessories



### Quick discharge connection

Page 384 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

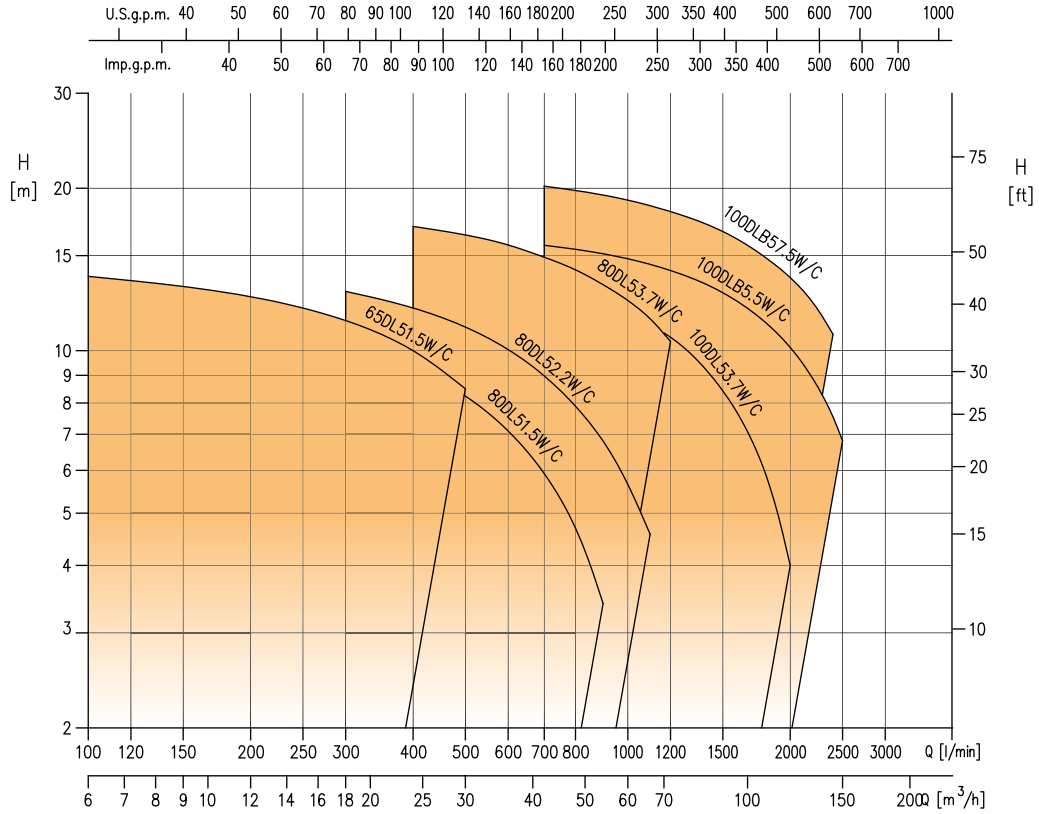
Page 384 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor

# DL W/C



Submersible sewage pumps with cutter



## DL W/C Selection table

Model	HP	kW	Q=Flow rate																
			l/min	100	250	300	400	500	700	900	1000	1100	1200	1400	1600	2000	2400	2500	
			m³/h	6	15	18	24	30	42	54	60	66	72	84	96	120	144	150	
H=Total head [m]																			
65DL51.5 W/C	2	1,5	13,7	12,0	11,4	10,0	8,5	-	-	-	-	-	-	-	-	-	-	-	-
80DL51.5 W/C	2	1,5	-	10,7	10,3	9,3	8,2	5,9	3,4	-	-	-	-	-	-	-	-	-	-
80DL52.2 W/C	3	2,2	-	-	12,9	12,0	11,1	9,0	6,8	5,7	4,6	-	-	-	-	-	-	-	-
80DL53.7 W/C	5	3,7	-	-	-	17,0	16,4	14,9	13,4	12,6	11,6	10,4	-	-	-	-	-	-	-
100DL53.7 W/C	5	3,7	-	-	-	-	14,1	13,1	12,2	11,7	11,2	10,6	9,2	7,6	4,0	-	-	-	-
100DLB55.5 W/C	7,5	5,5	-	-	-	-	-	15,7	15,1	14,8	14,5	14,1	13,3	12,3	10,1	7,5	6,8	-	-
100DLB57.5 W/C	10	7,5	-	-	-	-	-	20,2	19,4	19,0	18,6	18,1	17,2	16,1	13,7	10,7	-	-	-

## Three phase 380-400-415V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]
						380V	400V	415V			
65DL51.5 W/C	1545500047	<b>1.863,00</b>	2	1,5	1450	4,1	3,9	4,1	46	65	52
80DL51.5 W/C	1545500048	<b>1.335,00</b>	2	1,5	1450	4,1	3,9	4,1	46	80	55
80DL52.2 W/C	1545500049	<b>2.651,00</b>	3	2,2	1450	5,7	5,2	5,2	46	80	67
80DL53.7 W/C	1545500050	<b>2.860,00</b>	5	3,7	1450	8,4	8,3	7,6	46	80	75
100DL53.7 W/C	1545500051	<b>3.667,00</b>	5	3,7	1450	11,7	11,3	10,7	57	100	79
100DLB55.5 W/C	1545500052	<b>5.565,00</b>	7,5	5,5	1450	16,4	15,5	14,8	57	100	123
100DLB57.5 W/C	1545500053	<b>6.353,00</b>	10	7,5	1450	11,7	11,3	10,7	57	100	141

# DRD



## Submersible sewage pumps with multi-channel impeller

Submersible cast iron electric pumps with two-channel or three-channel impeller. Only available in the three-phase version they are suitable for use with foul waste water or water with solid contents in sewage systems, both civil and industrial, for the handling of liquids with filamentous substances or solid particles and the emptying of tanks.



Possibility to use in fixed and mobile installations



Impeller a più canali

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Cast iron
<b>Shaft</b>	AISI 420B
<b>Mechanical seal</b>	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

## Technical data

<b>Max. immersion</b>	20 m
<b>Max. temperature of the liquid</b>	40°C
<b>Max. solids passage</b>	30÷140mm
<b>Poles</b>	2
<b>Insulation class</b>	H
<b>Protection degree</b>	IP68
<b>Voltage</b>	Three phase 400/690V ±10%

## Accessories



### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**

Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Hook guide**

Adaptor (guide pipe) and flange for adaptor



### Various accessories

Page 385 - **Accessories for DMLF-DMLVF-DSF-DRD-DRS**

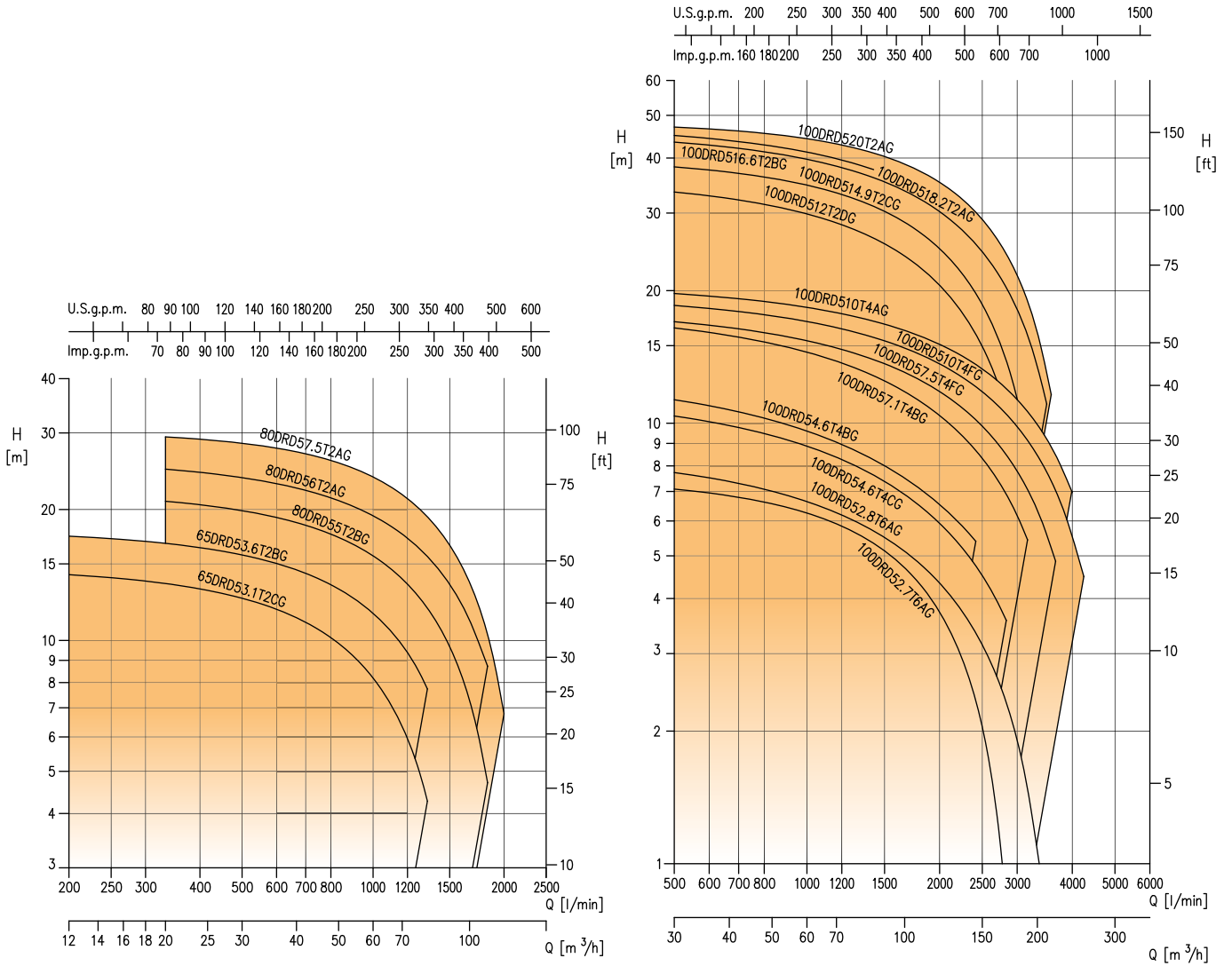
- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

# DRD



## Submersible sewage pumps with multi-channel impeller

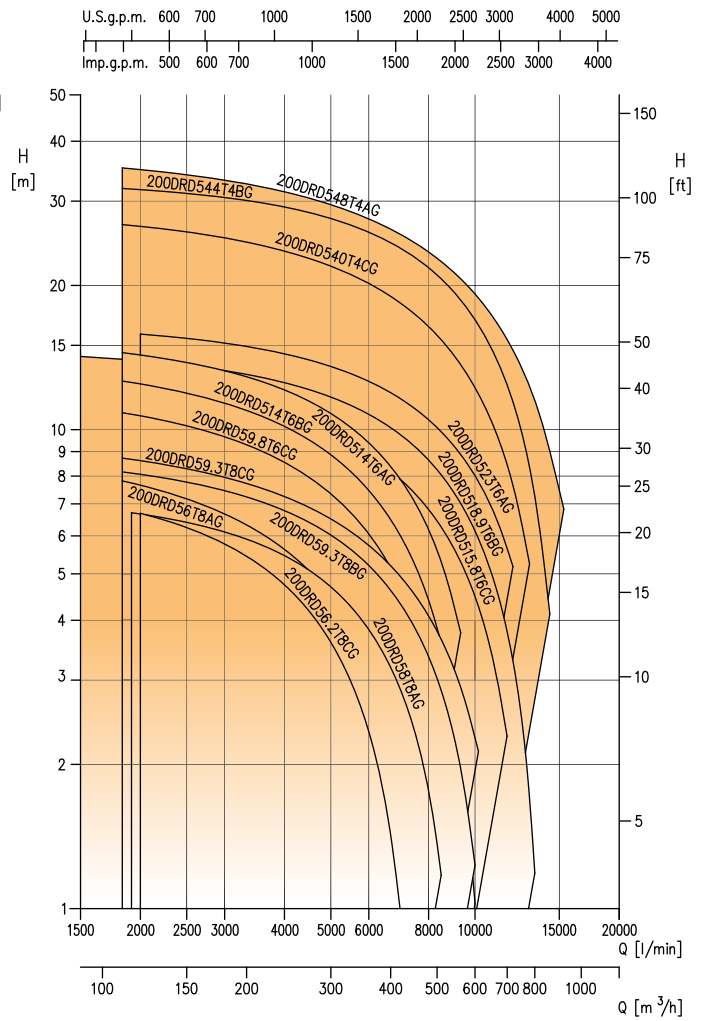
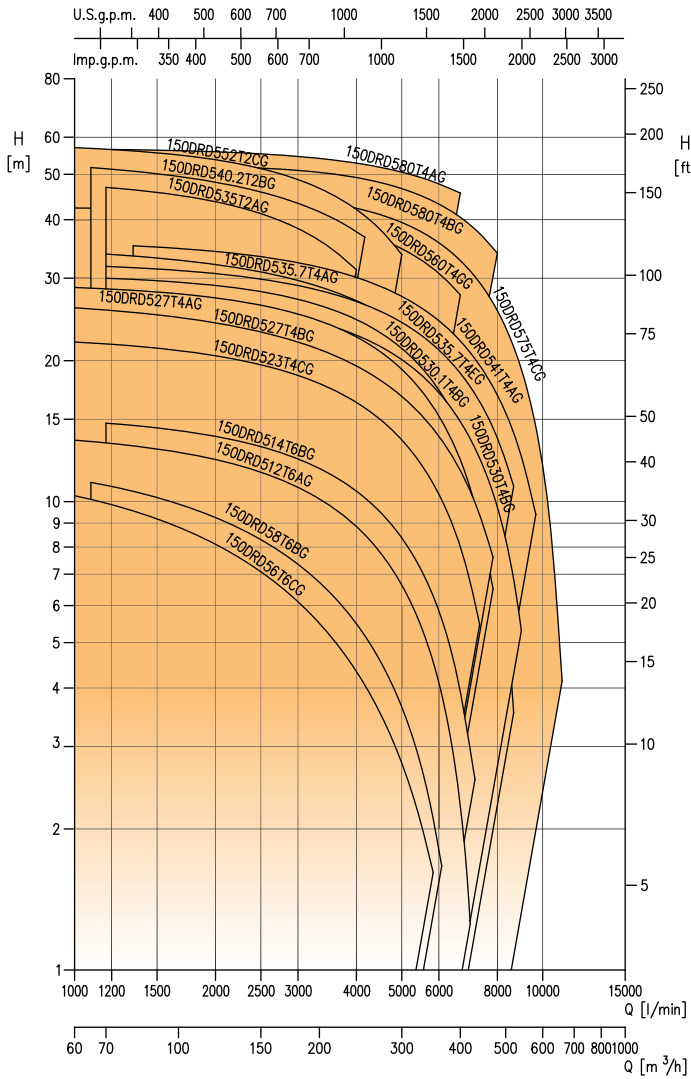
Submersible



# DRD



## Submersible sewage pumps with multi-channel impeller



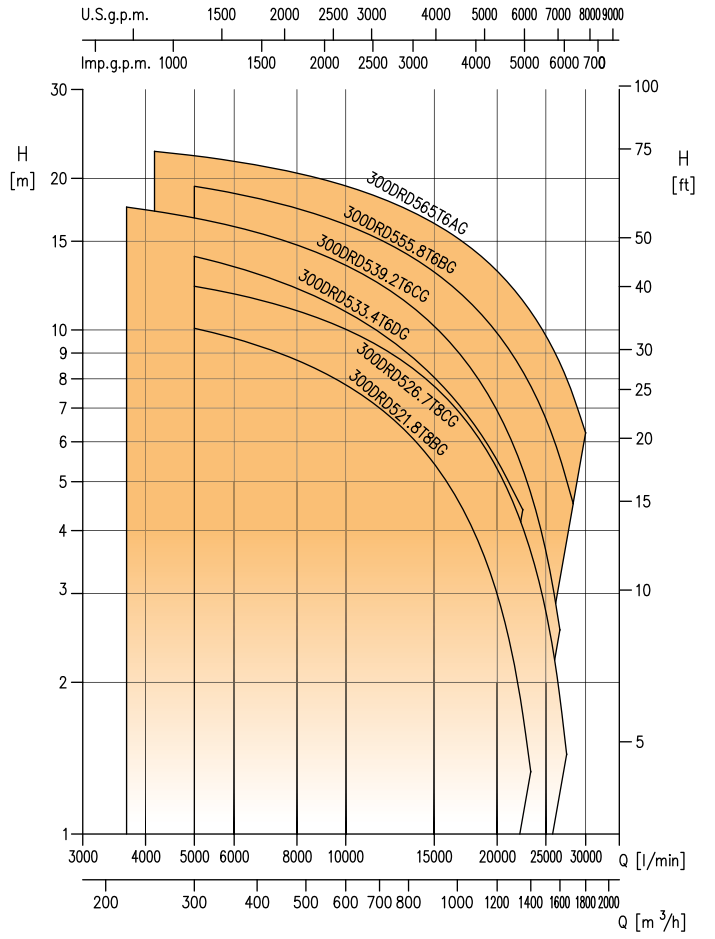
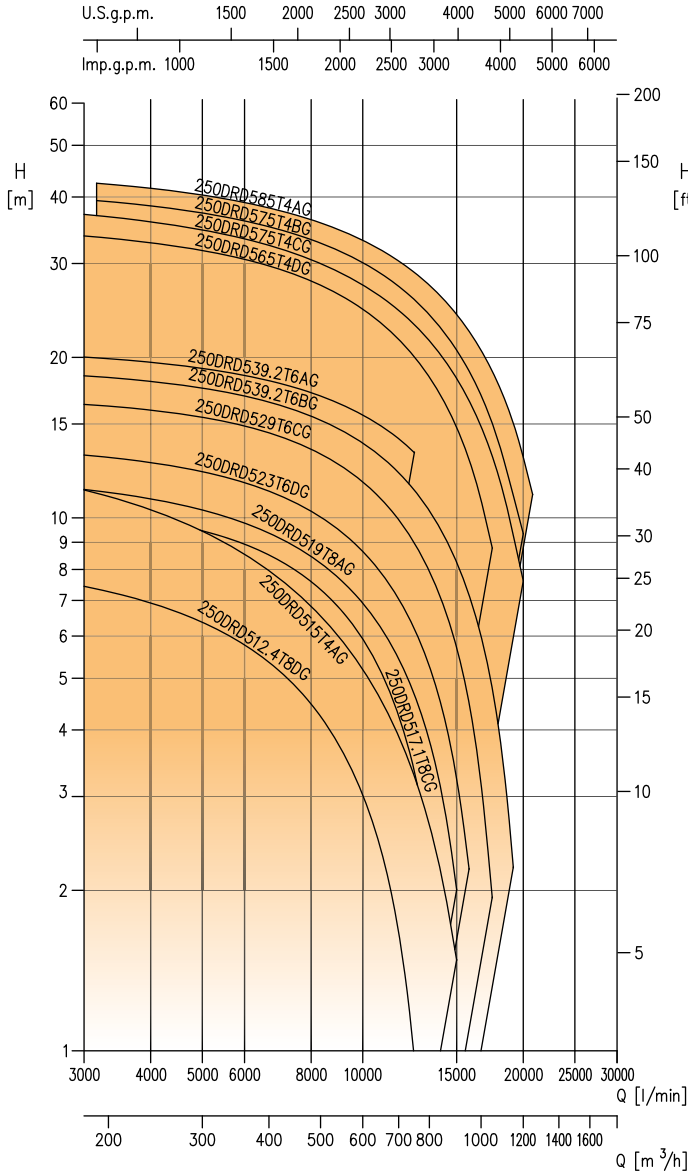
Submersible

# DRD



## Submersible sewage pumps with multi-channel impeller

Submersible

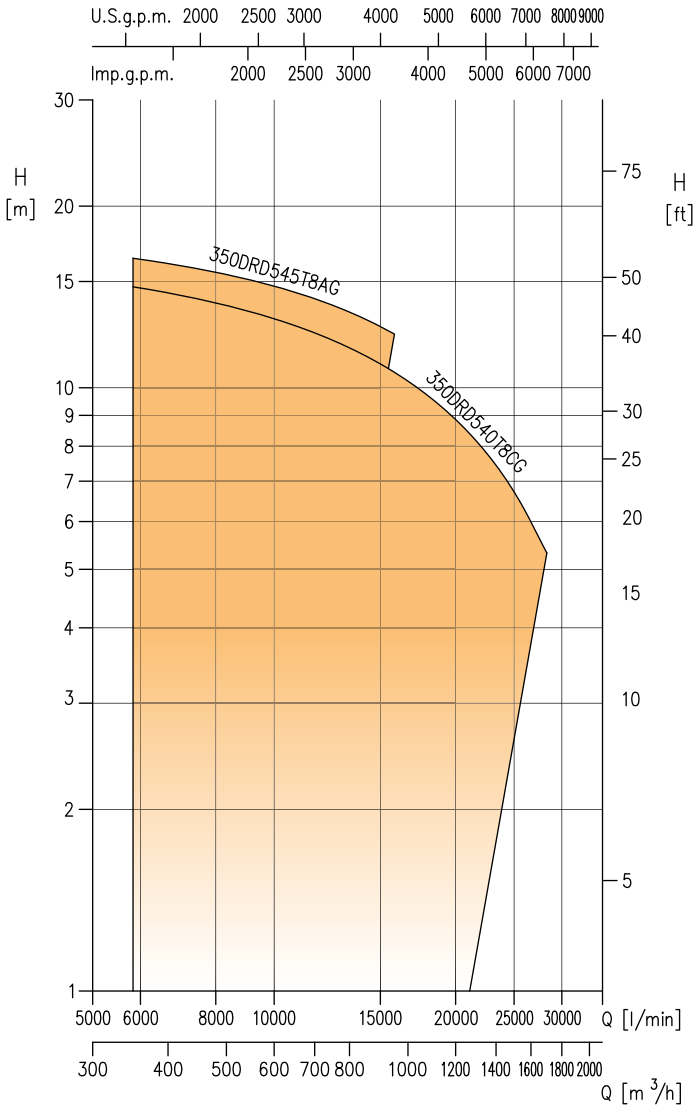




# DRD



## Submersible sewage pumps with multi-channel impeller



# DRD



## Submersible sewage pumps with multi-channel impeller

**65-80DRD Selection table**

Model	HP	kW	Q=Flow rate						
			l/min m <sup>3</sup> /h	200 12	333 20	833 50	1333 80	1833 110	2000 120
H=Total head [m]									
65DRD53.1T2CG	4,2	3,1		14,2	13,5	9,8	4,3	-	-
65DRD53.6T2BG	4,8	3,6		17,4	16,7	13,1	7,8	-	-
80DRD55T2BG	6,7	5		-	20,9	17,3	11,9	4,7	-
80DRD56T2AG	8	6		-	24,8	21	15,6	8,7	-
80DRD57.5T2AG	10,1	7,5		-	29,4	25,6	19,2	10,3	6,8

**100DRD Selection table**

Model	HP	kW	Q=Flow rate													
			l/min m <sup>3</sup> /h	500 30	833 50	1417 85	2417 145	2833 170	3000 180	3167 190	3333 200	3500 210	3583 215	3667 220	4000 240	4250 255
H=Total head [m]																
100DRD52.7T6AG	3,6	2,7		7,1	6,6	5,3	2,3	0,8	-	-	-	-	-	-	-	-
100DRD52.8T6AG	3,8	2,8		7,7	7	5,7	3,3	2,3	1,9	1,5	1,1	-	-	-	-	-
100DRD54.6T4CG	6,2	4,6		10,4	9,4	7,6	4,7	3,6	-	-	-	-	-	-	-	-
100DRD54.6T4BG	6,2	4,6		11,3	10,2	8,3	5,4	-	-	-	-	-	-	-	-	-
100DRD57.1T4BG	9,5	7,1		16,5	15,2	12,5	8,3	6,9	6,2	5,5	4,7	-	-	-	-	-
100DRD57.5T4FG	10,1	7,5		17	15,9	13,7	9,8	8,5	7,8	7,1	6,3	5,6	5,2	4,9	-	-
100DRD510T4FG	13,4	10		18,5	15,4	11,8	10,5	9,8	9,1	8,5	7,7	7,4	7	5,6	4,4	-
100DRD510T4AG	13,4	10		19,7	18,8	16,8	13,3	12	11,3	10,6	9,9	9,2	8,8	8,5	7	-
100DRD512T2DG	16,1	12		33,5	31,2	26,3	15,9	10,8	8,6	-	-	-	-	-	-	-
100DRD514.9T2CG	20,0	14,9		38,2	36	31,1	19,7	13,9	11,3	8,7	6	-	-	-	-	-
100DRD516.6T2BG	22,3	16,6		43,5	41	36,1	25,5	20,3	18,1	15,8	13,5	11,1	-	-	-	-
100DRD518.2T2AG	24,4	18,2		45	42,5	37,7	-	-	-	-	-	-	-	-	-	-
100DRD520T2AG	26,8	20		47	45,5	41	30,1	24,2	21,7	18,9	16,1	13,1	11,6	-	-	-

**150DRD Selection table**

Model	HP	kW	Q=Flow rate																					
			l/min m <sup>3</sup> /h	1000 60	1083 65	1167 70	1333 80	2667 160	4000 240	4167 250	5000 300	5833 350	6083 365	6667 400	7000 420	7167 430	7333 440	7833 470	8000 480	8667 520	9000 540	9667 580	11000 660	
H=Total head [m]																								
150DRD56T6CG	8,0	6		10,3	10,1	9,9	9,6	6,8	4,3	4,1	2,8	1,6	-	-	-	-	-	-	-	-	-	-	-	-
150DRD58T6BG	10,7	8		-	11	10,8	10,5	8	5,5	5,2	3,6	2,1	1,7	-	-	-	-	-	-	-	-	-	-	-
150DRD512T6AG	16,1	12		13,5	13,5	13,4	13,2	11,3	8,8	8,5	6,6	4,5	3,9	2,2	1,2	-	-	-	-	-	-	-	-	-
150DRD514T6BG	18,8	14		-	-	14,7	14,5	12,9	10,5	10,2	8,4	6,3	5,6	3,9	3	2,5	-	-	-	-	-	-	-	-
150DRD523T4CG	30,8	23		21,9	21,8	21,7	21,5	19,3	16,3	15,9	13,5	10,9	10,1	8	6,8	6,1	5,5	-	-	-	-	-	-	-
150DRD527T4BG	36,2	27		26	25,8	25,7	25,4	22,7	19,5	19	16,8	14,3	13,5	11,7	10,5	10	9,4	7,6	-	-	-	-	-	-
150DRD527T4AG	36,2	27		28,7	28,6	28,5	28,3	25,9	22,5	22	19,2	15,9	14,9	12,3	10,7	9,9	9	6,4	-	-	-	-	-	-
150DRD530T4BG	40,2	30		-	-	27,5	27,4	25,4	22,7	22,3	20,1	17,6	16,8	14,8	13,6	13	12,4	10,4	9,7	6,9	5,4	-	-	-
150DRD530.1T4BG	40,2	30		-	-	30	29,8	27,8	24,5	24	21,2	18	17	14,3	12,7	11,9	11,1	8,4	7,5	3,6	-	-	-	-
150DRD535T2AG	46,9	35		-	-	47	46,5	40,5	31,2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD535.7T4EG	47,9	35,7		-	-	31,8	31,7	29,6	26,8	26,3	24,1	21,6	20,8	18,8	17,6	17	16,3	14,4	13,7	10,8	-	-	-	-
150DRD535.7T4AG	47,9	35,7		-	-	33,8	30,5	26,9	26,4	23,6	21,9	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD540.2T2BG	53,9	40,2		-	51,7	51,4	50,8	45	37,7	36,7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD541T4AG	55,0	41		-	-	-	35,3	33	30,1	29,7	27,4	24,9	24,1	22	20,8	20,2	19,6	17,6	16,9	14	12,5	9,4	-	-
150DRD552T2CG	69,7	52		57	56,8	56,6	56,1	50,6	42	40,8	33,7	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD560T4GG	80,5	60		42,5	42,5	42,5	42	41	37,8	37,3	34,7	31,4	30,4	27,6	-	-	-	-	-	-	-	-	-	-
150DRD575T4CG	100,6	75		-	-	-	45,5	45	42,5	42	39,5	36,4	35,4	32,7	31,1	30,2	29,4	26,6	25,6	21,4	19,2	14,4	3,8	-
150DRD580T4BG	107,3	80		52	52	52	52	51,5	49	49	48,5	44	43	40,5	39	38,2	37,4	34,8	33,9	-	-	-	-	-
150DRD580T4AG	107,3	80		-	-	56,5	55	53	52,5	50,5	49	48	47,5	45,5	-	-	-	-	-	-	-	-	-	-

Submersible

# DRD



## Submersible sewage pumps with multi-channel impeller

### 200DRD Selection table

Model	HP	kW	Q=Flow rate																		
			l/min	1667	1833	1917	2000	4500	7000	7667	8500	9167	9333	10000	10167	11667	12000	13000	13333	14333	15333
			m³/h	100	110	115	120	270	420	460	510	550	560	600	610	700	720	780	800	860	920
			H=Total head [m]																		
200DRD56T8AG	8	6	-	-	7,7	7,7	5,1	2,2	1,3	-	-	-	-	-	-	-	-	-	-	-	
200DRD56.2T8CG	8,3	6,2	-	-	-	6,7	4,2	1	-	-	-	-	-	-	-	-	-	-	-	-	
200DRD58T8AG	10,7	8	-	6,7	6,7	6,7	5,1	2,9	2,1	1,2	-	-	-	-	-	-	-	-	-	-	
200DRD59.3T8CG	12,5	9,3	-	8,2	8,1	8,1	6,4	4,3	3,7	2,9	2,2	1,8	1,2	1	-	-	-	-	-	-	
200DRD59.3T8BG	12,5	9,3	-	8,7	8,7	8,6	6,9	4,9	4,4	3,6	3,1	2,7	2,3	-	-	-	-	-	-	-	
200DRD59.8T6CG	13,1	9,8	-	10,9	10,8	10,7	8	4,7	3,7	2,5	1,4	-	-	-	-	-	-	-	-	-	
200DRD514T6BG	18,8	14	-	12,6	12,5	12,5	9,5	6	4,9	3,6	2,4	1,8	1	-	-	-	-	-	-	-	
200DRD514T6AG	18,8	14	-	14,5	14,4	14,3	11,5	7,8	6,7	5,3	4,1	3,5	-	-	-	-	-	-	-	-	
200DRD515.8T6CG	21,2	15,8	-	12	11,9	11,9	10,1	7,9	7,2	6,3	5,5	5,3	4,5	4,3	2,3	-	-	-	-	-	
200DRD518.9T6BG	25,3	18,9	14,1	14	14	13,9	12,1	9,7	9	8	7,2	7	6,1	5,9	3,8	3,3	1,7	1,2	-	-	
200DRD523T6AG	30,8	23	-	-	-	15,8	14	11,6	10,9	9,9	9,1	8,9	8	7,8	5,7	5,2	-	-	-	-	
200DRD540T4CG	53,6	40	-	26,8	26,7	26,6	22,8	18,4	17,1	15,4	14	13,7	12,2	11,9	8,5	7,7	5,2	-	-	-	
200DRD544T4BG	59	44	-	31,9	31,8	31,7	28,4	23,9	22,5	20,6	19,1	18,7	17	16,5	12,4	11,4	8,4	7,3	4	-	
200DRD548T4AG	64,4	48	-	35,2	35,1	34,9	30,4	25,5	24,2	22,4	21	20,7	19,2	18,8	15,4	14,7	12,3	11,5	9,1	6,6	

### 250DRD Selection table

Model	HP	kW	Q=Flow rate																	
			l/min	3000	3167	5000	8333	12500	12667	14000	15000	15833	17500	19167	19833	20000	20833			
			m³/h	180	190	300	500	750	760	840	900	950	1050	1150	1190	1200	1250			
			H=Total head [m]																	
250DRD515T4AG	20,1	15	11,3	11,1	9,4	6,3	3,3	3,1	2,2	1,5	-	-	-	-	-	-	-	-	-	-
250DRD512.4T8DG	16,6	12,4	7,4	7,4	6,4	4	1	0,8	-	-	-	-	-	-	-	-	-	-	-	-
250DRD517.1T8CG	22,9	17,1	10,3	10,2	9,5	7,1	3,3	3,1	1,5	-	-	-	-	-	-	-	-	-	-	-
250DRD519T8AG	25,5	19	11,3	11,2	10,3	8	4,7	4,5	3,1	2	-	-	-	-	-	-	-	-	-	-
250DRD523T6DG	30,8	23	13,1	13,1	12,2	9,8	6,2	6	4,5	3,3	2,2	-	-	-	-	-	-	-	-	-
250DRD529T6CG	38,9	29	16,3	16,3	15,4	12,9	9	8,8	7,1	5,7	4,5	1,9	-	-	-	-	-	-	-	-
250DRD539.2T6BG	52,6	39,2	18,5	18,4	17,5	15	11,3	11,1	9,5	8,3	7,1	4,8	2,2	-	-	-	-	-	-	-
250DRD539.2T6AG	52,6	39,2	20	20	19,1	16,7	13,3	-	-	-	-	-	-	-	-	-	-	-	-	-
250DRD565T4DG	87,2	65	33,8	33,7	31,7	26,8	20	19,7	17	14,8	12,8	8,8	-	-	-	-	-	-	-	-
250DRD575T4CG	100,6	75	37,1	36,9	34,7	29,5	23	22,7	20,2	18,3	16,6	13	9,3	7,8	7,4	-	-	-	-	-
250DRD575T4BG	100,6	75	-	39,4	37,3	32,3	25,7	25,3	22,7	20,6	18,8	15	11	9,4	-	-	-	-	-	-
250DRD585T4AG	114,0	85	-	42,5	40,5	35,3	28,9	28,6	26,1	24,1	22,4	18,8	15	13,5	13,1	11,1	-	-	-	-

### 300DRD Selection table

Model	HP	kW	Q=Flow rate																	
			l/min	3667	4167	5000	8333	11667	15000	18333	22500	23333	26667	27500	28333	30000				
			m³/h	220	250	300	500	700	900	1100	1350	1400	1600	1650	1700	1800				
			H=Total head [m]																	
300DRD521.8T8BG	29,2	21,8	-	-	10,1	8,6	7	5,4	3,8	1,7	1,3	-	-	-	-	-	-	-	-	-
300DRD526.7T8CG	35,8	26,7	-	-	12,2	10,8	9,3	7,7	6,1	4,1	3,6	1,9	1,4	-	-	-	-	-	-	-
300DRD533.4T6DG	44,8	33,4	-	-	14	11,9	9,9	8	6,3	4,3	-	-	-	-	-	-	-	-	-	-
300DRD539.2T6CG	52,6	39,2	17,6	17,2	16,7	14,5	12,4	10,2	8	5,3	4,7	2,6	-	-	-	-	-	-	-	-
300DRD555.8T6BG	74,8	55,8	-	-	19,3	17,2	15,1	13	10,9	8,3	7,7	5,6	5,1	4,5	-	-	-	-	-	-
300DRD565T6AG	87,2	65	-	22,6	22,2	20,3	18,3	16,3	14,2	11,4	10,9	8,6	8	7,4	6,2	-	-	-	-	-

Submersible

# DRD



## Submersible sewage pumps with multi-channel impeller

### 350DRD Selection table

Model	HP	kW	Q=Flow rate							
			l/min	5833	8333	11667	15833	20000	25000	28333
			m <sup>3</sup> /h	350	500	700	950	1200	1500	1700
H=Total head [m]										
350DRD540T8CG	53,6	40		14,7	13,7	12,3	10,6	8,9	6,7	5,3
350DRD545T8AG	60,3	45		16,4	15,4	14,1	12,3	-	-	-

### Three phase 400V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
65DRD53.1T2CG **	1875000225	<b>2.187,00</b>	4,2	3,1	2803	5,8	30	65	61,0
65DRD53.6T2BG **	1875000224	<b>2.187,00</b>	4,8	3,6	2822	6,6	30	65	62,0
80DRD55T2BG *	1875000227	<b>2.935,00</b>	6,7	5	2842	9,1	30	80	73,0
80DRD56T2AG *	1875000226	<b>2.935,00</b>	8,0	6	2842	10,9	30	80	75,0
80DRD57.5T2AG *	1875000228	<b>5.346,00</b>	10,1	7,5	2842	13,5	30	80	150,0
100DRD52.7T6AG **	1875000243	<b>3.394,00</b>	3,6	2,7	931	5,8	80	100	96,0
100DRD52.8T6AG *	1875000244	<b>3.967,00</b>	3,8	2,8	931	6	80	100	114,0
100DRD54.6T4CG *	1875000238	<b>3.643,00</b>	6,2	4,6	1401	9,3	80	100	115,0
100DRD54.6T4BG *	1875000237	<b>3.643,00</b>	6,2	4,6	1401	9,3	80	100	115,0
100DRD57.1T4BG *	1875000239	<b>4.866,00</b>	9,5	7,1	1436	13,5	60	100	170,0
100DRD57.5T4FG *	1875000240	<b>4.866,00</b>	10,1	7,5	1436	14,3	80	100	175,0
100DRD510T4FG *	1875000242	<b>7.291,00</b>	13,4	10	1436	19	80	100	205,0
100DRD510T4AG *	1875000241	<b>7.291,00</b>	13,4	10	1436	19	80	100	200,0
100DRD512T2DG *	1875000232	<b>8.079,00</b>	16,1	12	2852	21,7	40	100	200,0
100DRD514.9T2CG *	1875000231	<b>8.079,00</b>	20,0	14,9	2881	26,8	40	100	195,0
100DRD516.6T2BG *	1875000230	<b>8.242,00</b>	22,3	16,6	2881	29,8	40	100	205,0
100DRD518.2T2AG *	1875000229	<b>8.242,00</b>	24,4	18,2	2891	32,6	40	100	206,0
100DRD520T2AG *	1875000233	<b>11.798,00</b>	26,8	20	2891	35,8	40	100	340,0
150DRD540.2T2BG *	1875000234	<b>20.617,00</b>	8,0	40,2	2901	71	50	150	500,0
150DRD552T2CG *	1875000235	<b>20.617,00</b>	10,7	52	2911	90,1	50	150	495,0
150DRD56T6CG *	1875000245	<b>6.445,00</b>	16,1	6	941	12	80	150	190,0
150DRD58T6BG *	1875000246	<b>7.886,00</b>	18,8	8	941	15,8	80	150	220,0
150DRD514T6BG *	1875000249	<b>10.902,00</b>	30,8	14	956	26,2	100	150	375,0
150DRD512T6AG *	1875000248	<b>10.902,00</b>	36,2	12	951	22,9	100	150	382,0
150DRD523T4CG *	1875000253	<b>12.716,00</b>	36,2	23	1441	42,2	100	150	430,0
150DRD527T4BG *	1875000252	<b>12.716,00</b>	40,2	27	1441	49,6	100	150	430,0
150DRD527T4AG *	1875000250	<b>12.372,00</b>	40,2	27	1441	49,6	80	150	430,0
150DRD530T4BG *	1875000257	<b>14.306,00</b>	46,9	30	1450	54,3	100	150	518,0
150DRD535.7T4EG *	1875000258	<b>14.226,00</b>	47,9	35,7	1450	63,6	100	150	518,0
150DRD530.1T4BG *	1875000255	<b>13.511,00</b>	47,9	30	1450	54,3	80	150	515,0
150DRD535.7T4AG *	1875000254	<b>13.511,00</b>	53,9	35,7	1450	63,6	80	150	515,0
150DRD541T4AG *	1875000256	<b>21.362,00</b>	55,0	41	1450	73,1	100	150	518,0
150DRD535T2AG *	1875000236	<b>18.778,00</b>	69,7	35	2901	61,8	50	150	512,0
150DRD560T4AG *	1875000263	<b>27.063,00</b>	80,5	60	1455	101,3	60	150	745,0
150DRD580T4BG *	1875000265	<b>40.265,00</b>	100,6	80	1455	134,8	60	150	915,0
150DRD575T4CG *	1875000266	<b>40.265,00</b>	107,3	75	1455	126,3	60	150	915,0
150DRD580T4AG *	1875000264	<b>40.265,00</b>	107,3	80	1455	134,8	60	150	915,0

Tripod or lowering device required for all models

\* Three phase 400/690V - DOL-SD start

\*\* Three phase 400V - DOL-SD start

# DRD



## Submersible sewage pumps with multi-channel impeller

### Three phase 400V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
200DRD56.2T8CG *	1875000284	<b>11.432,00</b>	8,3	6,2	706	14,4	102	200	330,0
200DRD58T8AG *	1875000285	<b>11.432,00</b>	10,7	8	715	17,1	102	200	330,0
200DRD56T8AG *	1875000286	<b>12.757,00</b>	8,0	6	706	13,9	102	200	430,0
200DRD59.8T6CG *	1875000247	<b>11.294,00</b>	13,1	9,8	941	19,3	102	200	332,0
200DRD59.3T8CG *	1875000288	<b>14.339,00</b>	12,5	9,3	715	19,8	102	200	430,0
200DRD59.3T8BG *	1875000287	<b>14.339,00</b>	12,5	9,3	715	19,8	102	200	435,0
200DRD515.8T6CG *	1875000275	<b>13.380,00</b>	21,2	15,8	956	29,6	102	200	460,0
200DRD514T6BG *	1875000271	<b>12.699,00</b>	18,8	14	956	26,2	102	200	385,0
200DRD514T6AG *	1875000272	<b>12.699,00</b>	18,8	14	956	26,2	102	200	382,0
200DRD518.9T6BG	1875000274	<b>13.380,00</b>	25,3	18,9	956	34,8	102	200	460,0
200DRD523T6AG *	1875000273	<b>14.618,00</b>	30,8	23	960	40,6	102	200	460,0
200DRD540T4CG *	1875000262	<b>25.625,00</b>	53,6	40	1450	71,3	102	200	665,0
200DRD544T4BG *	1875000261	<b>26.119,00</b>	59,0	44	1445	78,1	102	200	665,0
200DRD548T4AG *	1875000260	<b>26.119,00</b>	64,4	48	1455	85,2	102	200	665,0
250DRD512.4T8DG	1875000289	<b>15.439,00</b>	16,6	12,4	715	26,5	105	250	520,0
250DRD517.1T8CG	1875000291	<b>14.985,00</b>	22,9	17,1	715	35,1	105	250	520,0
250DRD515T4AG *	1875000259	<b>14.227,00</b>	20,1	15	1441	27,8	73	250	440,0
250DRD519T8AG *	1875000290	<b>17.471,00</b>	25,5	19	715	39	105	250	600,0
250DRD523T6DG *	1875000276	<b>16.216,00</b>	30,8	23	960	40,6	105	250	530,0
250DRD529T6CG *	1875000277	<b>17.116,00</b>	38,9	29	960	52,8	105	250	590,0
250DRD539.2T6BG	1875000279	<b>25.266,00</b>	52,6	39,2	965	71	105	250	750,0
250DRD539.2T6AG	1875000278	<b>25.266,00</b>	52,6	39,2	965	71	105	250	750,0
250DRD565T4DG *	1875000270	<b>37.072,00</b>	87,2	65	1455	109,7	105	250	940,0
250DRD575T4CG *	1875000269	<b>37.072,00</b>	100,6	75	1455	126,3	105	250	970,0
250DRD575T4BG *	1875000268	<b>27.097,00</b>	100,6	75	1455	126,3	105	250	940,0
250DRD585T4AG *	1875000267	<b>27.097,00</b>	114,0	85	1455	143,2	105	250	940,0
300DRD521.8T8BG	1875000292	<b>32.554,00</b>	29,2	21,8	720	43,7	50X140	300	1.024,0
300DRD526.7T8CG	1875000293	<b>32.554,00</b>	35,8	26,7	720	53,5	50X140	300	1.024,0
300DRD533.4T6DG	1875000281	<b>33.341,00</b>	44,8	33,4	960	60,8	50X140	300	1.030,0
300DRD539.2T6CG	1875000280	<b>33.341,00</b>	52,6	39,2	965	71	50X140	300	1.030,0
300DRD555.8T6BG	1875000283	<b>41.671,00</b>	74,8	55,8	965	99	50X140	300	1.190,0
300DRD565T6AG *	1875000282	<b>41.671,00</b>	87,2	65	965	115,3	50X140	300	1.190,0
350DRD545T8AG *	1875000294	<b>56.812,00</b>	60	45	725	88,3	112	350	1.350,0
350DRD540T8CG *	1875000295	<b>56.812,00</b>	53,6	40	720	79,3	112	350	1.350,0

Tripod or lowering device required for all models

\* Three phase 400/690V - DOL-SD start

# DRS



## Submersible sewage pumps with open impeller and grinder device inlet

Submersible cast iron pumps fitted with Type Grinder shredder mechanism in AISI 304. The open impeller and the Type grinder shredder mechanism enable the pumps to be used in applications with foul waste waters such as the emptying of septic tanks, sewer or sewage treatment systems.



Possibility to use in fixed and mobile installations



Open impeller and grinder device inlet

### Technical data

Max. immersion 20 m

Max. temperature of the liquid 40°C

Max. solids passage  
6÷7 mm (DRS 40)  
8÷10 (DRS 65)

Poles 2

Insulation class H

Protection degree IP68

Voltage  
Single phase 230V ±10%  
Tensione trifase 400/690 ±10%

### Materials

Pump body Cast iron

Impeller Cast iron

Shaft AISI 420B

Mechanical seal  
Impeller side: SiC/SiC/NBR  
Motor side: Carbon/Ceramic/NBR

### Accessories



#### Adaptors

Page 384 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 384 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



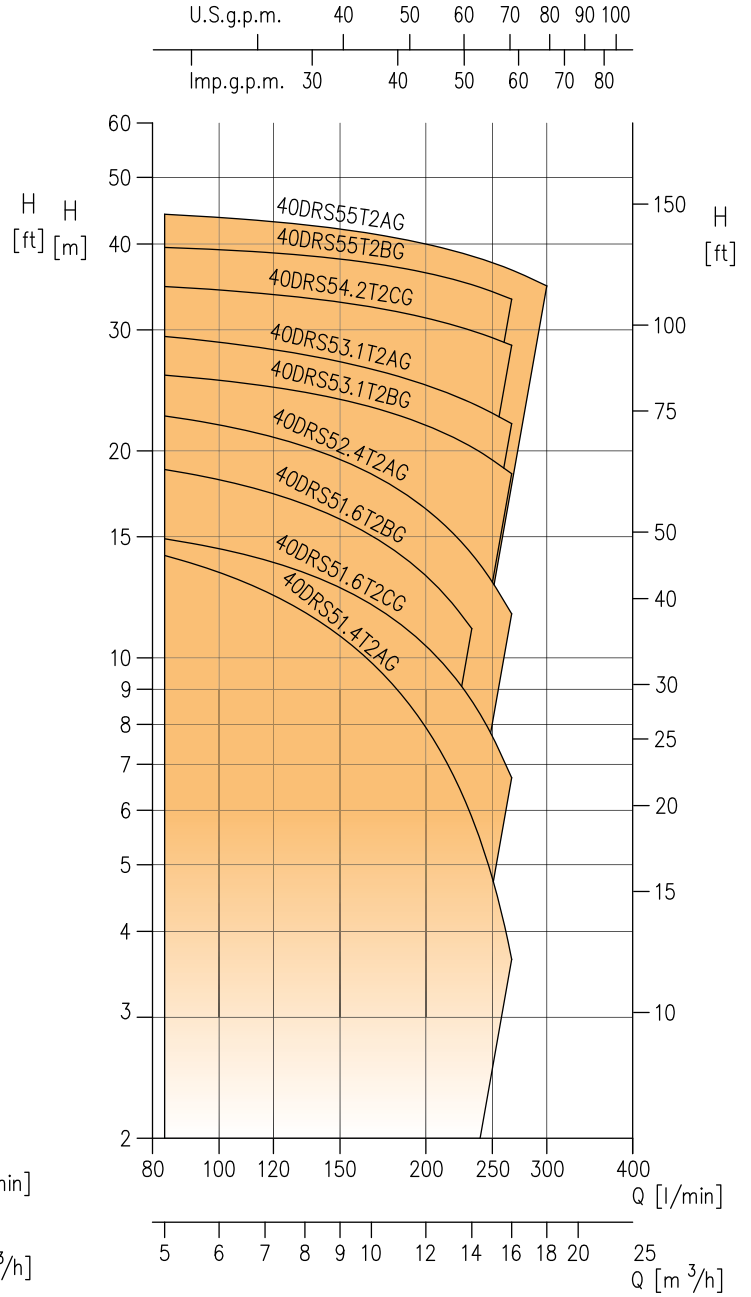
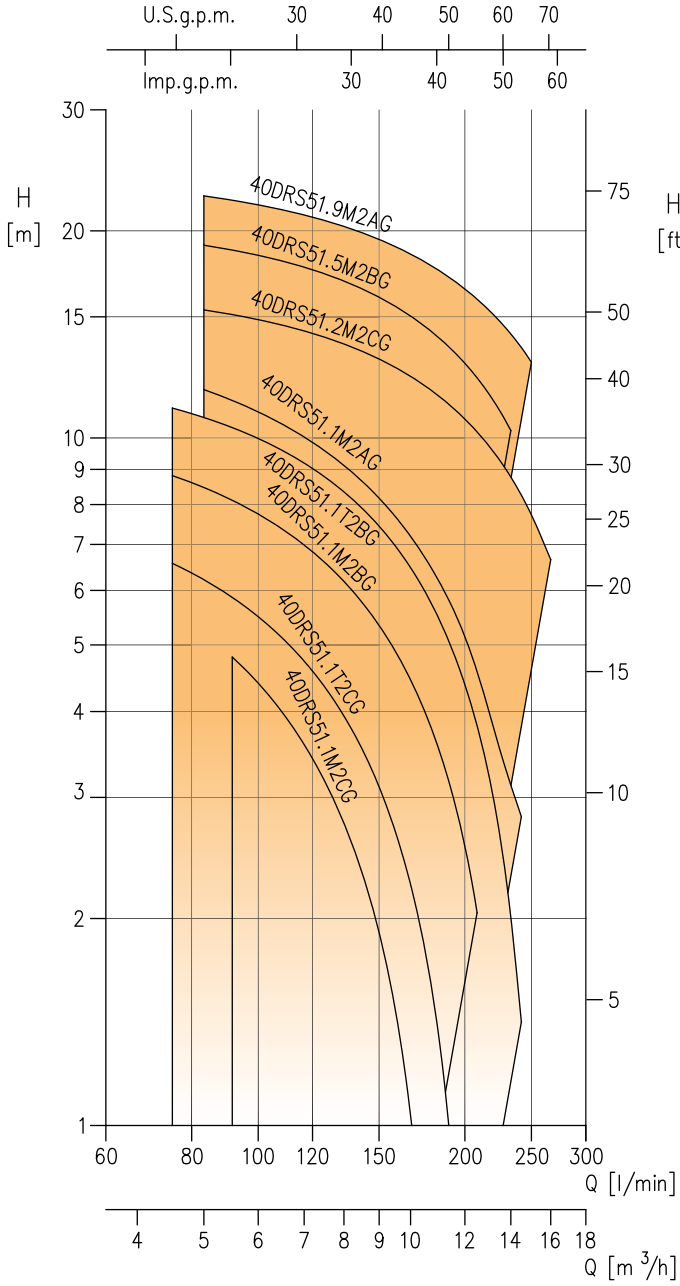
#### Various accessories

Page 385 - **Accessories for DMLF-DMLVF-DSF-DRD-DRS**  
- QDC - Quick discharge connection  
- Elbow for discharge  
- Tripod  
- Threaded flange

# DRS



## Submersible sewage pumps with open impeller and grinder device inlet

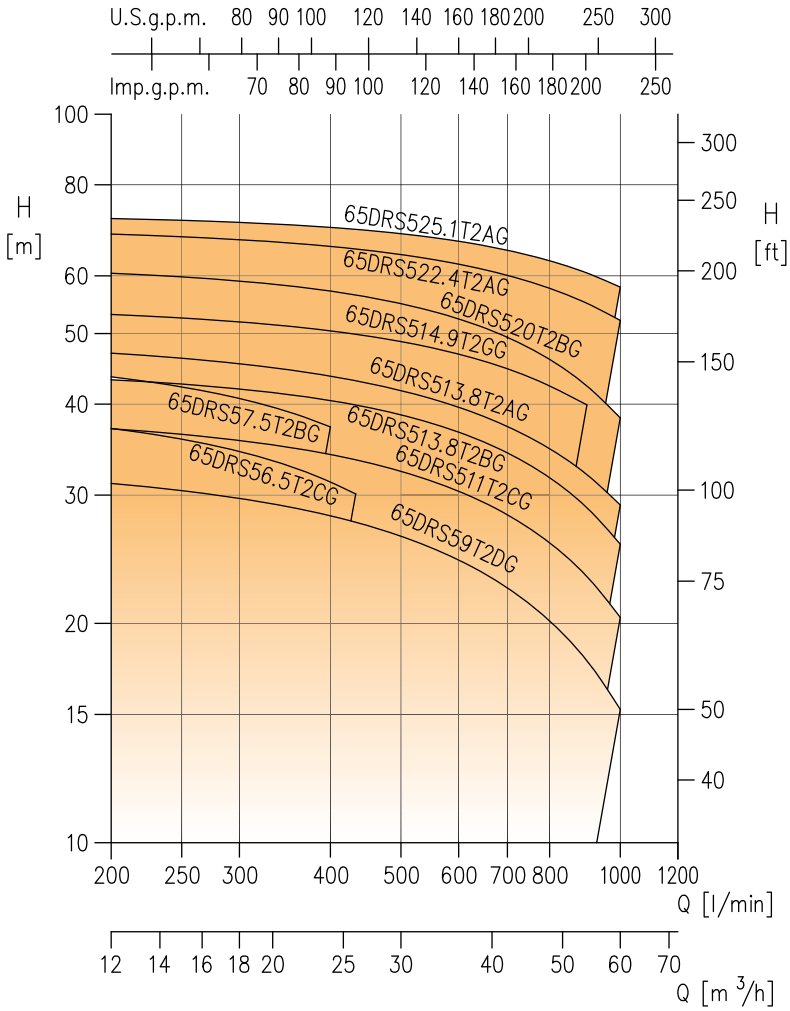


Submersible

# DRS



## Submersible sewage pumps with open impeller and grinder device inlet



Submersible



# DRS



Submersible sewage pumps with open impeller and grinder device inlet

## 40DRS Selection table

Model	HP	kW	Q=Flow rate											
			l/min	75	83	92	150	175	200	208	233	242	250	267
			m <sup>3</sup> /h	4,5	5,0	5,5	9,0	10,5	12,0	12,5	14,0	14,5	15,0	16,0
H=Total head [m]														
40DRS51.1M2CG	1,5	1,1	-	-	4,8	1,9	0,6	-	-	-	-	-	-	-
40DRS51.1M2BG	1,5	1,1	8,8	8,5	8,1	5,3	4	2,5	2	-	-	-	-	
40DRS51.1M2AG	1,5	1,1	-	11,8	11,3	8,2	6,7	5,1	4,6	3	2,4	-	-	
40DRS51.2M2CG	1,6	1,2	-	15,3	15,1	13	11,9	10,6	10,2	8,8	8,3	7,7	6,6	
40DRS51.5M2BG	2	1,5	-	19,1	18,7	16	14,5	12,8	12,2	10,3	-	-	-	
40DRS51.9M2AG	2,5	1,9	-	22,5	21,2	19,4	18	16,5	15,9	14,2	13,5	12,9	-	
40DRS51.1T2CG	1,5	1,1	6,6	6,2	5,9	3,1	1,8	0,4	-	-	-	-	-	
40DRS51.1T2BG	1,5	1,1	11	10,7	10,3	7,4	6	4,4	3,8	2	1,4	-	-	

## 40DRS Selection table

Model	HP	kW	Q=Flow rate						
			l/min	83	150	200	233	267	300
			m <sup>3</sup> /h	5,0	9,0	12,0	14,0	16,0	18,0
H=Total head [m]									
40DRS51.4T2AG	1,9	1,4	-	14,1	10,8	7,9	5,9	3,7	-
40DRS51.6T2CG	2,1	1,6	-	14,9	12,6	10,4	8,7	6,7	-
40DRS51.6T2BG	2,1	1,6	-	18,8	15,9	13,2	11	-	-
40DRS52.4T2AG	3,2	2,4	-	22,5	19,4	16,5	14,2	11,6	-
40DRS53.1T2BG	4,2	3,1	-	25,8	23,8	21,8	20,3	18,5	-
40DRS53.1T2AG	4,2	3,1	-	29,3	27	24,9	23,5	21,9	-
40DRS54.2T2CG	5,6	4,2	-	34,7	32,9	31,2	29,9	28,5	-
40DRS55T2BG	6,7	5	-	39,5	38	36,3	34,9	33,3	-
40DRS55T2AG	6,7	5	-	44	42	40	38,4	36,7	34,8

## 65DRS Selection table

Model	HP	kW	Q=Flow rate						
			l/min	200	400	433	667	900	1000
			m <sup>3</sup> /h	12,0	24,0	26,0	40,0	54,0	60,0
H=Total head [m]									
65DRS56.5T2CG	8,7	6,5	-	37	31,3	30,1	-	-	-
65DRS57.5T2BG	10,1	7,5	-	43,5	37,2	-	-	-	-
65DRS59T2DG	12,1	9	-	31,1	28,1	27,5	23,1	17,8	15,2
65DRS511T2CG	14,8	11	-	37	34,1	33,5	28,9	23,2	20,4
65DRS513.8T2BG	18,5	13,8	-	43	40,5	39,9	35,1	28,8	25,7
65DRS513.8T2AG	18,5	13,8	-	47	43,5	43	38,1	32	29,1
65DRS514.9T2GG	20,0	14,9	-	53	50,5	50	45,5	39,8	-
65DRS520T2BG	26,8	20	-	60,5	57	56,5	50,5	42,5	38,3
65DRS522.4T2AG	30,0	22,4	-	68,5	66	65,5	61	55	52
65DRS525.1T2AG	33,7	25,1	-	72	70	69,5	65,5	60,5	58

# DRS



## Submersible sewage pumps with open impeller and grinder device inlet

### Single phase 230V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DRS51.1M2BG	1875000297	<b>1.224,00</b>	1.5	1,1	2754	6,6	6	40	30,0
40DRS51.1M2CG	1875000298	<b>1.224,00</b>	1.5	1,1	2754	6,6	6	40	30,0
40DRS51.2M2CG	1875000304	<b>1.246,00</b>	1.5	1,1	2754	6,6	6	40	40,0
40DRS51.5M2BG	1875000303	<b>1.290,00</b>	2	1,5	2754	9	6	40	40,0
40DRS51.1M2AG	1875000296	<b>1.224,00</b>	1.5	1,1	2754	6,6	6	40	30,0
40DRS51.9M2AG	1875000302	<b>1.323,00</b>	2.5	1,9	2773	11,4	6	40	40,0

Pumps supplied with control panel with double capacitor  
Required flange or elbow in case of movable installation

### Three phase 400V

Model	Code	£ Stg	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DRS51.4T2AG **	1875000299	<b>1.202,00</b>	1,9	1,4	2783	2,7	6	40	40,0
40DRS51.1T2BG **	1875000300	<b>1.147,00</b>	1.5	1,1	2783	2,4	6	40	30,0
40DRS51.1T2CG **	1875000301	<b>1.147,00</b>	1.5	1,1	2783	2,4	6	40	30,0
40DRS51.6T2CG **	1875000307	<b>1.257,00</b>	2,1	1,6	2783	3,1	6	40	40,0
40DRS51.6T2BG **	1875000306	<b>1.257,00</b>	2,1	1,6	2783	3,1	6	40	40,0
40DRS52.4T2AG **	1875000305	<b>1.420,00</b>	3,2	2,4	2793	4,5	6	40	40,0
40DRS53.1T2BG **	1875000309	<b>2.361,00</b>	4,2	3,1	2803	5,8	7	40	52,0
40DRS53.1T2AG **	1875000308	<b>2.361,00</b>	4,2	3,1	2803	5,8	7	40	52,0
40DRS54.2T2CG *	1875000312	<b>2.863,00</b>	5,6	4,2	2822	7,7	7	40	67,0
40DRS55T2BG *	1875000311	<b>2.874,00</b>	6,7	5	2842	9,1	7	40	67,0
40DRS55T2AG *	1875000310	<b>2.874,00</b>	6,7	5	2842	9,1	7	40	67,0
65DRS57.5T2BG *	1875000313	<b>on request</b>	10,1	7,5	2842	13,5	8	65	178,0
65DRS56.5T2CG *	1875000314	<b>on request</b>	8,7	6,5	2842	11,8	8	65	178,0
65DRS513.8T2AG *	1875000315	<b>on request</b>	18,5	13,8	2881	24,8	10	65	200,0
65DRS513.8T2BG *	1875000316	<b>on request</b>	18,5	13,8	2881	24,8	10	65	200,0
65DRS511T2CG *	1875000317	<b>on request</b>	14,8	11	2852	19,9	10	65	200,0
65DRS59T2DG *	1875000318	<b>on request</b>	12,1	9	2842	16,2	10	65	198,0
65DRS516.6T2GG *	1875000319	<b>on request</b>	22,3	16,6	2881	29,8	10	65	200,0
65DRS522.4T2AG *	1875000320	<b>on request</b>	30,0	22,4	2891	38,9	10	65	340,0
65DRS520T2BG *	1875000321	<b>on request</b>	26,8	20	2891	35,8	10	65	340,0
65DRS525.1T2AG *	1875000322	<b>on request</b>	33,7	25,1	2891	43,6	10	65	335,0

Tripod or lowering device required for all models  
\* Three phase 400/690V - DOL-SD start  
\*\* Three phase 400V - DOL-SD start

# EBAMIX



## Submersible mixers

Submersible mixers for mixing, homogenising and agitating heavy sludge and fluids loaded with solid particles, and for removing bottom deposit.



Possibility to use in fixed and mobile installations



open impeller and grinder device inlet

### Technical data

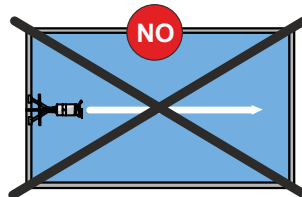
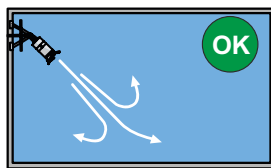
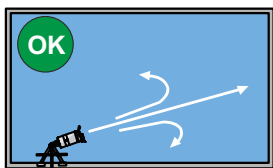
Max. temperature of the liquid	40°C
Poles	2
Insulation class	H
Protection degree	IP68
Voltage	Three phase 400/690 ±10%

### Materials

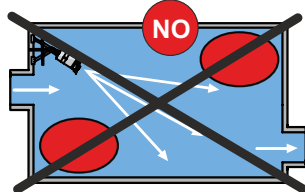
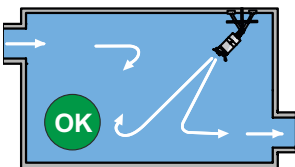
Pump body	Cast iron or Steel
Propeller	AISI 316
Shaft	AISI 420
Mechanical seal	SiC/SiC SiC/Silicium/FPM

## Installation

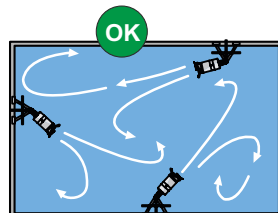
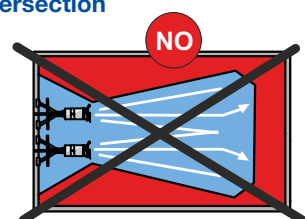
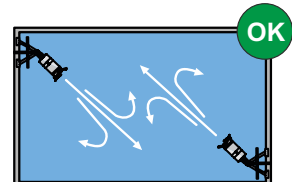
Try to take advantage from walls ebbs



Keep into consideration inflows and outflows



Avoid flows crossing or intersection



# DUMPER



## Dewatering pumps

DUMPER pump line is the answer to dewatering problems. Its reduced diameter and side discharge option, make this pump line suitable for both contracting and industrial use. The stainless steel version allows further more extreme applications such as mining and others. Overall, the robust construction together with high quality materials, make this product a strong and reliable partner for the most demanding user.



**TOP DISCHARGE (T)**

**SIDE DISCHARGE (D)**



Sturdy hydraulic frame



High versatility



1m cable in stainless steel



Light weight thanks to the aluminium pump body



Motor in class H insulation

## Materials

<b>Pump body</b>	Aluminium (up to 8 kW), steel (from 12 kW)
<b>Impeller</b>	Nitride hardened AISI 410
<b>Shaft</b>	AISI 431
<b>Mechanical seal</b>	Tungsten carbide/Tungsten carbide/NBR

## Cable entry protection

To protect the pump from water-entry through the cable, the Dumper pump has a so called double dam protection. This means that there is a grommet around the cable and a grommet for the cable leads. In this case the pump is also protected if there is a cut in the cable. Zinc anodes standard

## Technical data

<b>Max. immersion</b>	15m
<b>Max. temperature of the liquid</b>	40°C
<b>Max. solids passage [mm]</b>	25x6 DUMPER 3X 53.7-(L, M)
	30x9.5 DUMPER 3X 5(5.5, 7.5)-M
	25.5x5 DUMPER 4X 512-M
	25.5x10 DUMPER 6X 5(19, 26, 37)-M
	Ø 6 DUMPER 1X, 2X, 3X 5(3.7, 5.5, 7.5)-S
Ø 10 DUMPER 4X 512-S, 6X 5(19, 26)-S	
Ø 13 DUMPER 7X	
Ø 15 DUMPER 8X	
<b>Suction</b>	Strainer
<b>Discharge Threaded (standard) [inch]</b>	2 for DUMPER 1X, 2X 51.5-S
	3 for DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	4 for DUMPER 3X-L, 4X 512-S, 6X 519-S
	6 for DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	8 for DUMPER 6X 526-M, 6X 537-M, 8X 555-M
10 for DUMPER 8X 555-S	
<b>Discharge Hose (Optional) [mm]</b>	50 for DUMPER 1X, 2X 51.5-S
	75 for DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	100 for DUMPER 3X-L, 4X 512-S, 6X 519-S
	150 for DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	200 for DUMPER 6X 526-M, 6X 537-M, 8X 555-M
250 for DUMPER 8X 555-S	
<b>Poles</b>	2 and 4
<b>Insulation class</b>	H
<b>Protection degree</b>	IP68
<b>Voltage</b>	Single phase 230V ± 6%
	Three phase 400V ± 6%

## Accessories

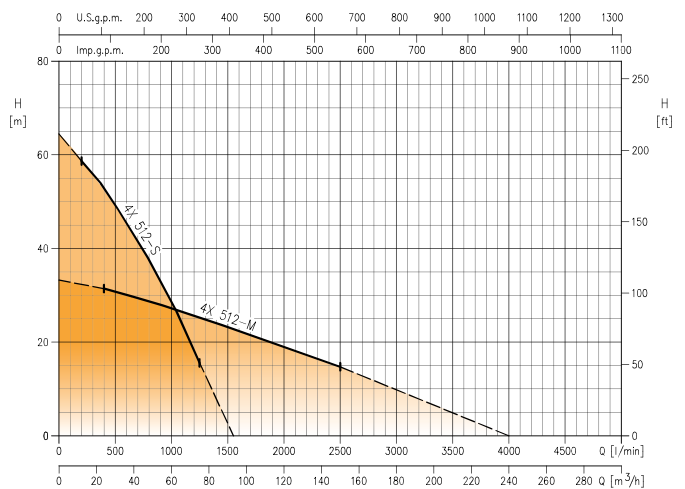
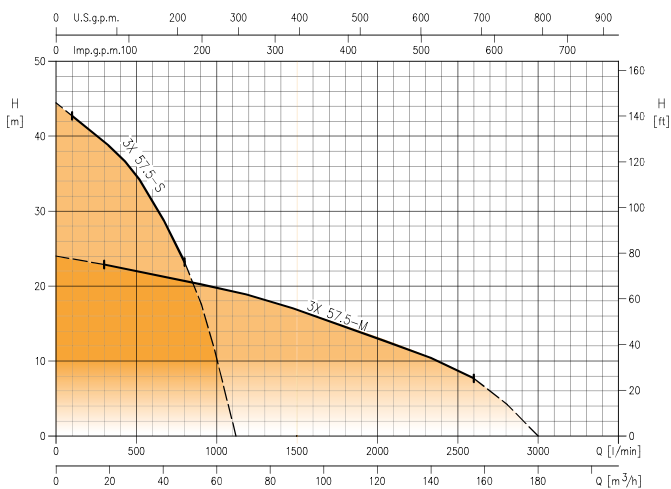
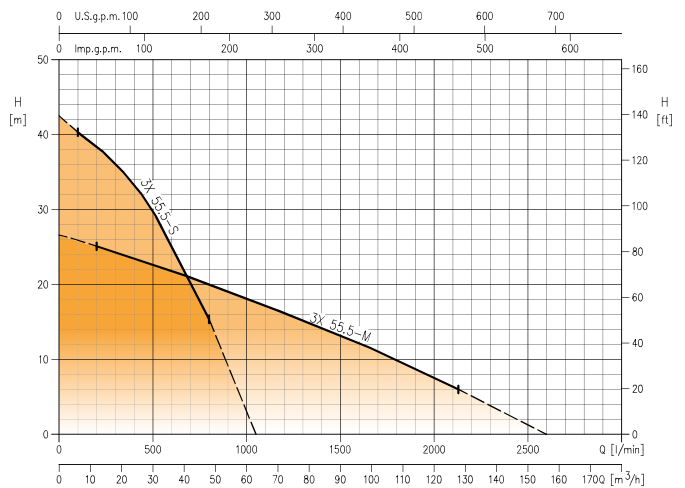
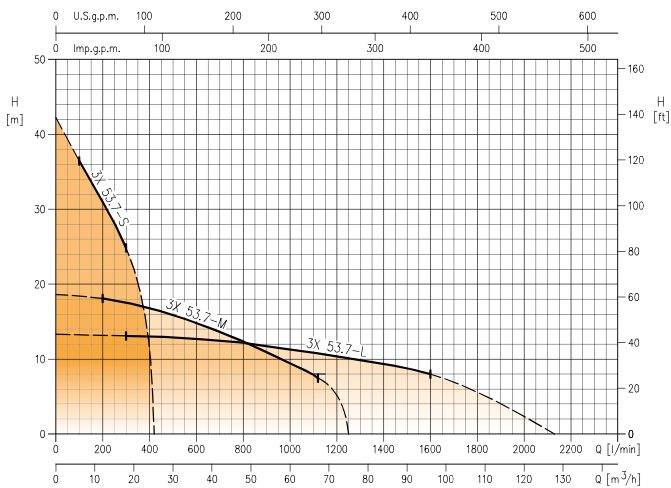
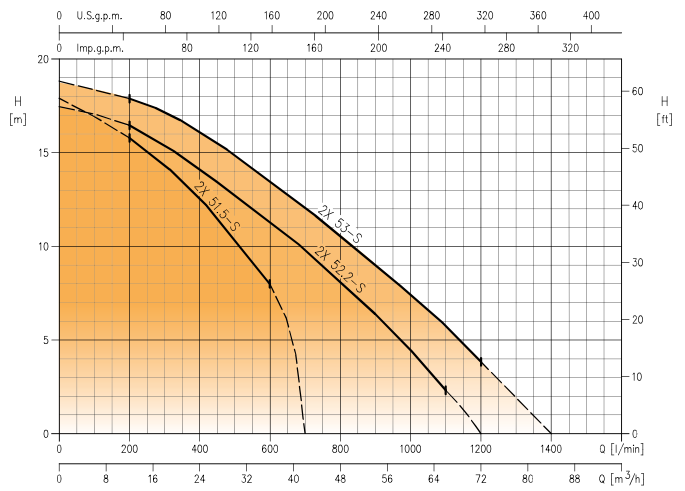
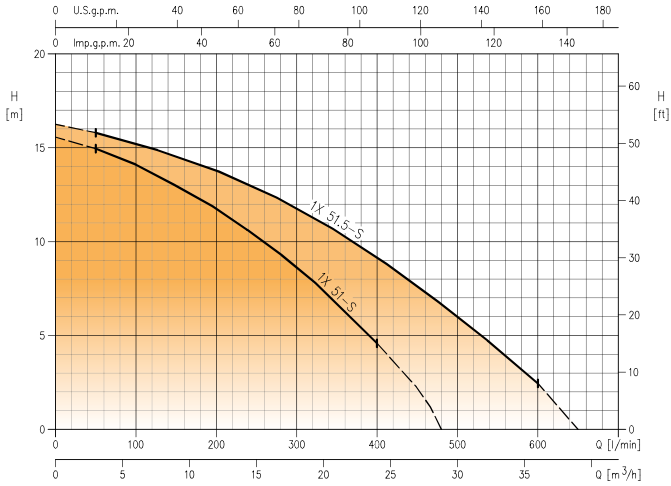


### Control panels

Page 364 - **Control panels**  
Smart - QS1 - QT1

# DUMPER

## Dewatering pumps



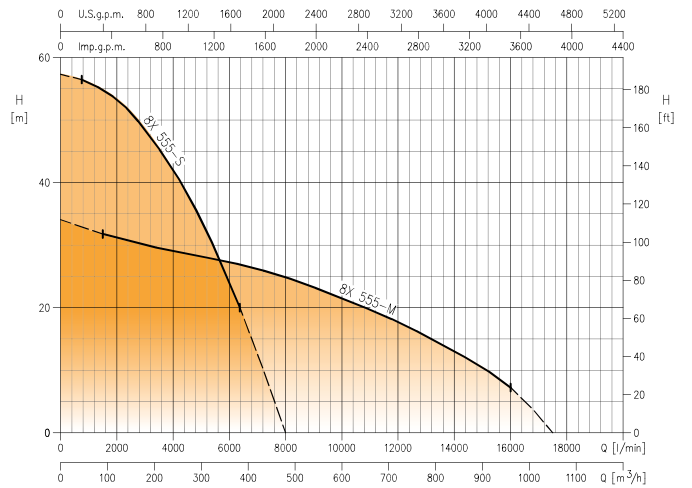
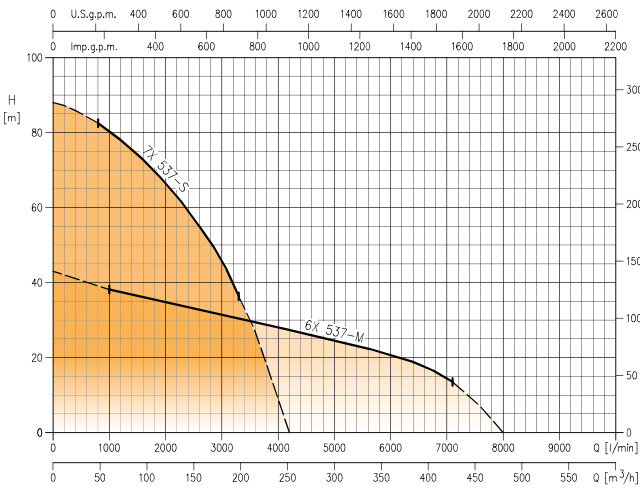
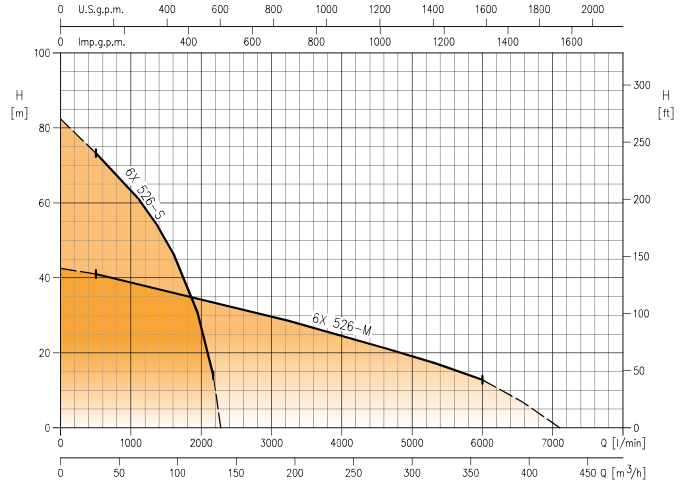
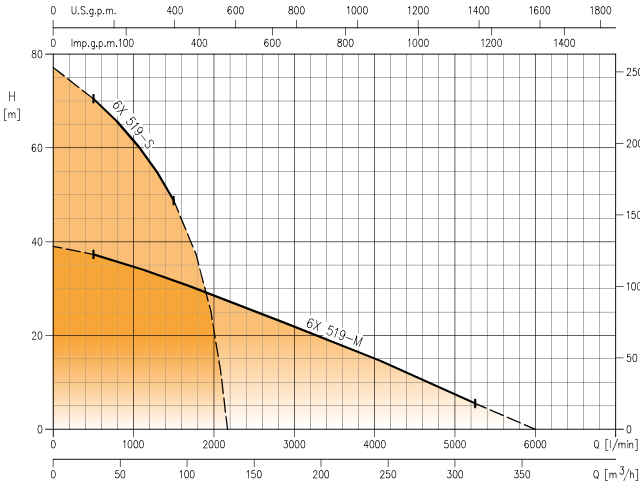
Submersible

# DUMPER

## Dewatering pumps



Submersible



### DUMPER 1X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate											
			H=Total head [m]											
			l/min	50	100	150	200	250	300	350	400	450	480	550
m³/h	3	6	9	12	15	18	21	24	27	28,8	33	36		
DUMPER 1X 51-S T	1.3	1	15	14,1	13	11,9	10,3	8,7	6,7	4,4	-	-	-	-
DUMPER 1X 51.5-S T	2	1.5	15,8	15,2	14,6	13,8	12,9	11,8	10,5	9,2	7,6	6,7	4,3	2,5

### DUMPER 2X Selection table

Model Single phase 230V	Model Three phase 400V	HP	kW	Q=Flow rate											
				H=Total head [m]											
				l/min	200	300	400	500	600	700	800	900	1000	1100	1200
m³/h	12	18	24	30	36	42	48	54	60	66	72				
DUMPER 2X 51.5-S M-NC	-	2	1.5	15,8	14,3	12,6	10,4	8,0	-	-	-	-	-	-	
DUMPER 2X 52.2-S M-NC	DUMPER 2X 52.2-S T	3	2.2	16,5	15,4	14,1	12,8	11,4	9,8	8,1	6,4	4,5	2,3	-	
-	DUMPER 2X 53-S T	4	3	17,9	17,2	16,1	14,9	13,5	12,1	10,6	9,0	7,4	5,8	3,8	

# DUMPER



## Dewatering pumps

### DUMPER 3X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	100	200	300	420	600	800	1050	1120	1150	1600	2130	2600		
			m <sup>3</sup> /h	6	12	18	25,2	36	48	63	67,2	69	96	127,8	156		
			H=Total head [m]														
DUMPER 3X 53.7-S T	5	3.7		36,4	31	24,8	-	-	-	-	-	-	-	-	-	-	-
DUMPER 3X 53.7-M T	5	3.7		-	18,1	17,4	16,6	14,8	12,4	8,7	7,4	-	-	-	-	-	-
DUMPER 3X 53.7-L T	5	3.7		-	-	13,1	13,0	12,7	12,2	11,0	10,8	10,6	8,0	-	-	-	-
DUMPER 3X 55.5-S T	7.5	5.5		40,3	38,6	36,8	33,1	25,3	15,4	-	-	-	-	-	-	-	-
DUMPER 3X 55.5-M T	7.5	5.5		-	25,1	24,3	23,3	21,8	20,0	17,6	17,0	16,7	12,2	6,0	-	-	-
DUMPER 3X 57.5-S T	10	7.5		42,5	41,5	39,4	36,8	30,7	23,2	-	-	-	-	-	-	-	-
DUMPER 3X 57.5-M T	10	7.5		-	-	22,9	22,2	21,4	20,6	19,6	19,3	19,1	16,2	12,0	7,7	-	-

### DUMPER 4X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	200	400	600	800	1000	1250	1600	2000	2500	3000	3500			
			m <sup>3</sup> /h	12	24	36	48	60	75	96	120	150	180	210			
			H=Total head [m]														
DUMPER 4X 512-S T-SD	16	12		58,5	53	45	37,5	28,8	15,6	-	-	-	-	-	-	-	-
DUMPER 4X 512-M T-SD	16	12		-	31,4	30,1	28,7	27,3	25,2	22,8	18,8	14,7	10	4,7	-	-	-

### DUMPER 6X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	500	1000	1500	2170	2280	3000	3750	4500	5250	6000	7100			
			m <sup>3</sup> /h	30	60	90	130,2	136,8	180	225	270	315	360	426			
			H=Total head [m]														
DUMPER 6X 519-S T-SD	25	19		70,5	61,5	49	27	-	-	-	-	-	-	-	-	-	-
DUMPER 6X 519-M T-SD	25	19		37,3	33,4	30,6	27,1	26,5	21,8	17	11,2	5,5	-	-	-	-	-
DUMPER 6X 526-S T-SD	35	26		73,5	63,5	50	14	-	-	-	-	-	-	-	-	-	-
DUMPER 6X 526-M T-SD	35	26		41	38,5	35,8	32,2	31,6	28,3	25,1	21,7	17,7	12,8	-	-	-	-
DUMPER 6X 537-M T-SD	50	37		-	38,1	36	32,9	32,4	29,5	27,4	25,6	23,5	20,8	13,5	-	-	-

### DUMPER 7X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate													
			l/min	800	1200	1500	1800	2100	2400	2700	3000	3300				
			m <sup>3</sup> /h	48	72	90	108	126	144	162	180	198				
			H=Total head [m]													
DUMPER 7X 537-S T-SD	50	37		82,5	78	74	69	64,5	58	52	47	36,3	-	-	-	-

### DUMPER 8X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	750	1500	2250	3000	3750	5000	6375	8000	10000	12000	14000	16000		
			m <sup>3</sup> /h	45	90	135	180	225	300	382,5	480	600	720	840	960		
			H=Total head [m]														
DUMPER 8X 555-S T-SD	55	75		-	31,79	30,87	30,06	29,23	28,17	26,90	24,88	21,5	17,7	13,02	7,23	-	-
DUMPER 8X 555-M T-SD	55	75		56,48	54,82	52,35	48,42	43,8	34,01	20	-	-	-	-	-	-	-

# DUMPER



## Dewatering pumps

### Single phase 230V

Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
DUMPER 20 51.5-S M-NC*	1544500005A	<b>4.554,00</b>	2	1,5	13	G2	39,0
DUMPER 20 52.2-S M-NC*	1544500007A	<b>5.222,00</b>	3	2,2	19	G3	45,0

The pump is supplied without capacitor, float and control panel. For further informations please contact our sales network

### Three phase 400V

Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 400V	DNM	Weight [kg]
DUMPER 10 51-S T*	1544500001A	<b>2.553,00</b>	1,3	1	2,4	G2	21,0
DUMPER 10 51.5-S T*	1544500003A	<b>2.618,00</b>	2	1,5	3,9	G2	18,0
DUMPER 20 52.2-S T*	1544500006A	<b>4.687,00</b>	3	2,2	5,5	G3	37,0
DUMPER 20 53-S T*	1544500008A	<b>4.850,00</b>	4	3	8	G3	36,0
DUMPER 30 53.7-L T*	1544500009A	<b>5.653,00</b>	5	3,7	8,1	G4	49,0
DUMPER 30 53.7-M T*	1544500010A	<b>5.513,00</b>	5	3,7	8,1	G3	47,0
DUMPER 30 53.7-S T*	1544500011A	<b>6.596,00</b>	5	3,7	8,1	G3	60,0
DUMPER 30 55.5-M T*	1544500012A	<b>6.754,00</b>	7,5	5,5	12,5	G4	62,0
DUMPER 30 55.5-S T*	1544500013A	<b>6.939,00</b>	7,5	5,5	12,5	G3	67,0
DUMPER 30 57.5-M T*	1544500014A	<b>7.501,00</b>	10	7,5	16	G4	72,0
DUMPER 30 57.5-S T*	1544500015A	<b>8.133,00</b>	10	7,5	16	G3	73,0
DUMPER 40 512-M T*	1544500017A	<b>13.523,00</b>	16	12	24	G6	132,0
DUMPER 40 512-S T*	1544500018A	<b>13.925,00</b>	16	12	24	G4	147,0
DUMPER 60 519-M T*	1544500019A	<b>16.204,00</b>	25	19	39	G6	205,0
DUMPER 60 519-S T*	1544500020A	<b>17.137,00</b>	25	19	39	G4	210,0
DUMPER 60 526-M T*	1544500021A	<b>19.278,00</b>	35	26	51	G8	255,0
DUMPER 60 526-S T*	1544500022A	<b>23.012,00</b>	35	26	51	G6	260,0
DUMPER 60 537-M T*	1544500023A	<b>24.555,00</b>	50	37	64	G8	275,0
DUMPER 70 537-S T*	1544500024A	<b>26.197,00</b>	50	37	64	G6	410,0
DUMPER 31 53.7-L**	1544500047A	<b>7.103,00</b>	5	3,7	8,1	G4	49,0
DUMPER 31 53.7-M**	1544500048A	<b>6.805,00</b>	5	3,7	8,1	G3	47,0
DUMPER 31 53.7-S**	1544500049A	<b>7.705,00</b>	5	3,7	8,1	G3	60,0
DUMPER 31 55.5-M**	1544500050A	<b>7.727,00</b>	7,5	5,5	12,5	G4	62,0
DUMPER 31 55.5-S**	1544500051A	<b>8.654,00</b>	7,5	5,5	12,5	G3	67,0
DUMPER 31 57.5-M**	1544500052A	<b>8.394,00</b>	10	7,5	16	G4	72,0
DUMPER 41 512-M**	1544500054A	<b>16.715,00</b>	16	12	24	G6	132,0
DUMPER 41 512-S**	1544500055A	<b>15.421,00</b>	16	12	24	G4	147,0
DUMPER 61 519-M**	1544500056A	<b>18.864,00</b>	25	19	39	G6	205,0
DUMPER 61 519-S**	1544500057A	<b>20.000,00</b>	25	19	39	G4	210,0
DUMPER 61 526-M**	1544500058A	<b>24.682,00</b>	35	26	51	G8	255,0
DUMPER 61 526-S**	1544500059A	<b>36.187,00</b>	35	26	51	G6	260,0

DOL start for models up to 7,5kW, SD start for models from 12kW and above

Pumps with axial discharge connection

\*\* Pumps with radial discharge connection



# DUMPER L



## Dewatering pumps in AISI 316 stainless steel

DUMPER pump line is the answer to dewatering problems. Its reduced diameter and side discharge option, make this pump line suitable for both contracting and industrial use. The stainless steel version allows further more extreme applications such as mining and others. Overall, the robust construction together with high quality materials, make this product a strong and reliable partner for the most demanding user.



Sturdy hydraulic frame



High versatility



1m cable in stainless steel



Light weight thanks to the aluminium pump body



Motor in class H insulation

## Materials

<b>Pump body</b>	AISI 316
<b>Impeller</b>	Nitride hardened AISI 410
<b>Shaft</b>	AISI 431
<b>Mechanical seal</b>	SiC/SiC/FPM

## Cable entry protection

To protect the pump from water-entry through the cable, the Dumper pump has a so called double dam protection. This means that there is a grommet around the cable and a grommet for the cable leads. In this case the pump is also protected if there is a cut in the cable.  
Zinc anodes standard

## Technical data

<b>Max. immersion</b>	15m	
<b>Max. temperature of the liquid</b>	40°C	
<b>Max. solids passage [mm]</b>	25x6	DUMPER 3X 53.7-(L, M)
	30x9.5	DUMPER 3X 5(5.5, 7.5)-M
	25.5x5	DUMPER 4X 512-M
	25.5x10	DUMPER 6X 5(19, 26, 37)-M
	Ø 6	DUMPER 1X, 2X, 3X 5(3.7, 5.5, 7.5)-S
	Ø 10	DUMPER 4X 512-S, 6X 5(19, 26)-S
Ø 13	DUMPER 7X	
Ø 15	DUMPER 8X	
<b>Suction</b>	Strainer	
<b>Discharge Threaded (standard) [inch]</b>	2 for	DUMPER 1X, 2X 51.5-S
	3 for	DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	4 for	DUMPER 3X-L, 4X 512-S, 6X 519-S
	6 for	DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	8 for	DUMPER 6X 526-M, 6X 537-M, 8X 555-M
10 for	DUMPER 8X 555-S	
<b>Discharge Hose (Optional) [mm]</b>	50 for	DUMPER 1X, 2X 51.5-S
	75 for	DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	100 for	DUMPER 3X-L, 4X 512-S, 6X 519-S
	150 for	DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	200 for	DUMPER 6X 526-M, 6X 537-M, 8X 555-M
250 for	DUMPER 8X 555-S	
<b>Poles</b>	2 and 4	
<b>Insulation class</b>	H	
<b>Protection degree</b>	IP68	
<b>Voltage</b>	Single phase	230V ± 6%
	Three phase	400V ± 6%

## Accessories



### Control panels and Control systems

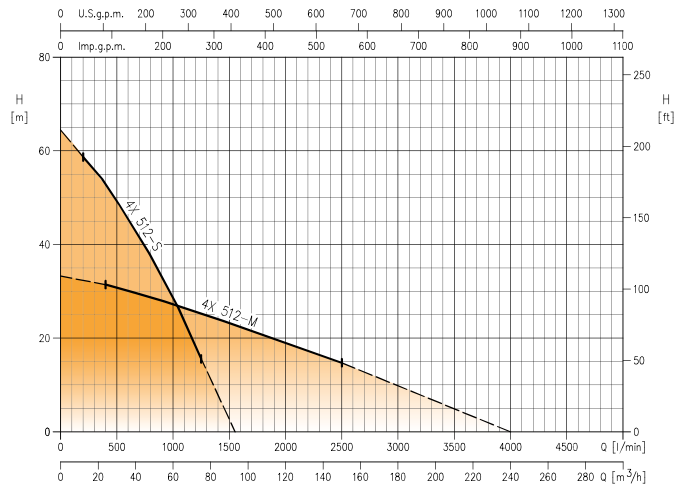
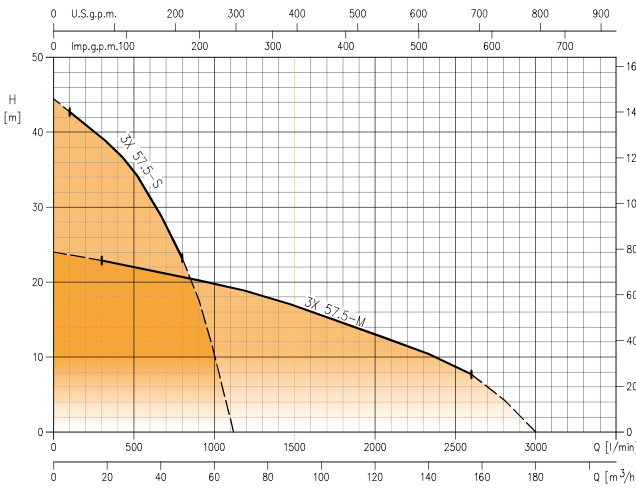
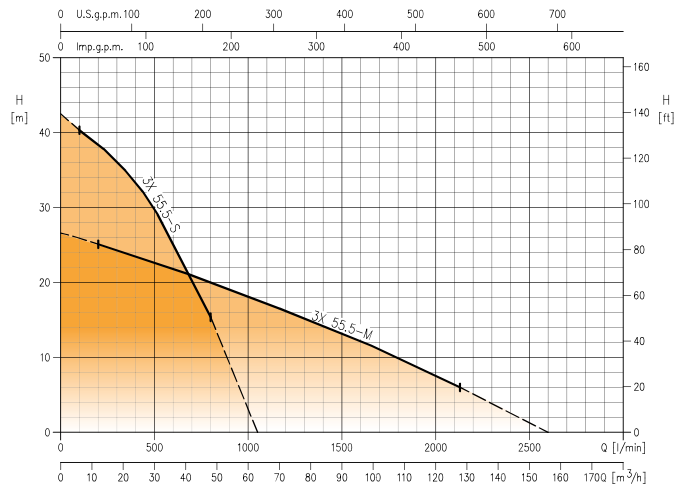
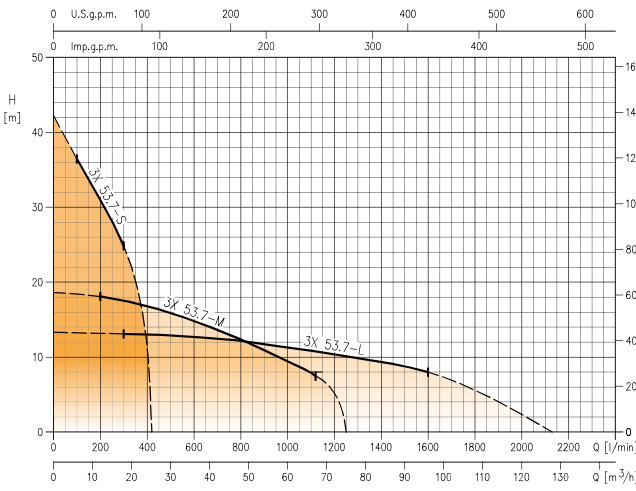
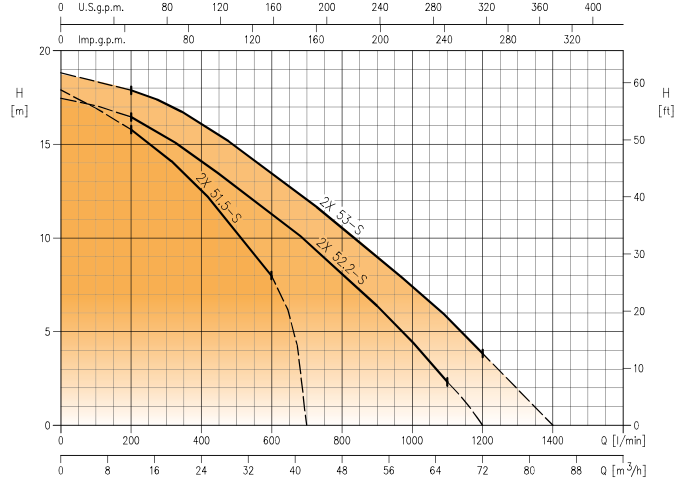
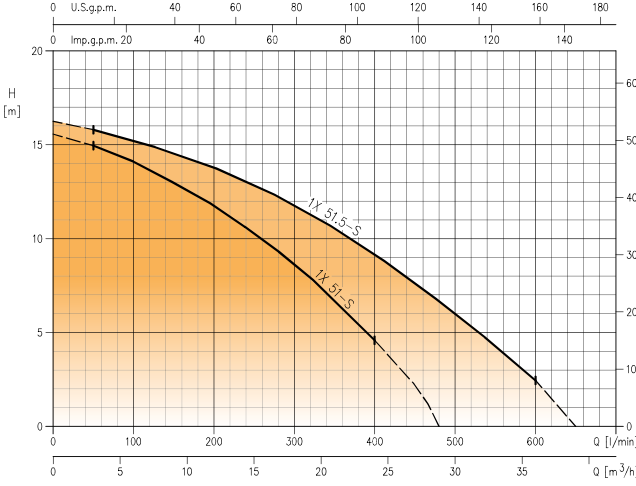
Page 364 - **Control panels**  
Smart - QS1 - QT1

# DUMPER L

Dewatering pumps in AISI 316 stainless steel

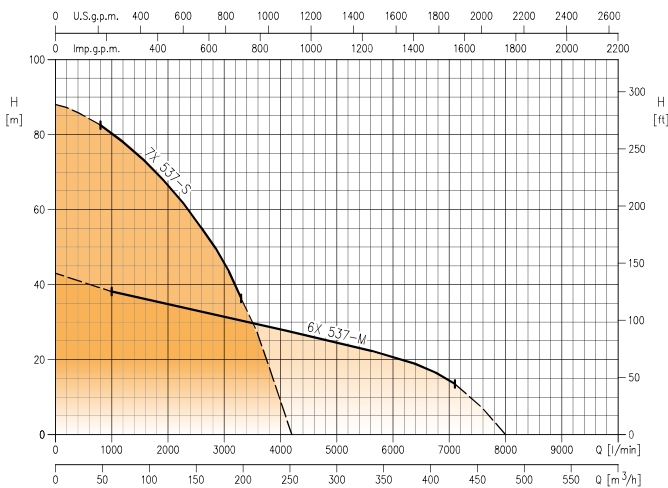
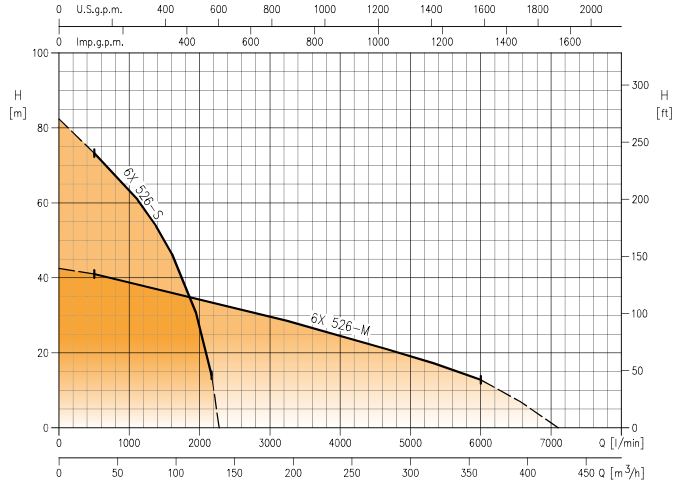
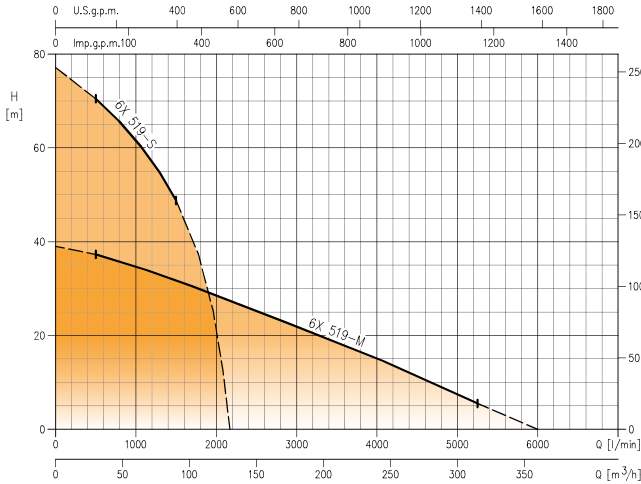


Submersible



# DUMPER L

Dewatering pumps in AISI 316 stainless steel



## DUMPER 1X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate												
			l/min	50	100	150	200	250	300	350	400	450	480	550	600
			m³/h	3	6	9	12	15	18	21	24	27	28,8	33	36
H=Total head [m]															
DUMPER 1X 51-S T	1.3	1	15	14,1	13	11,9	10,3	8,7	6,7	4,4	-	-	-	-	-
DUMPER 1X 51.5-S T	2	1.5	15,8	15,2	14,6	13,8	12,9	11,8	10,5	9,2	7,6	6,7	4,3	2,5	-

## DUMPER 2X Selection table

Model Single phase 230V	Model Three phase 400V	HP	kW	Q=Flow rate												
				l/min	200	300	400	500	600	700	800	900	1000	1100	1200	
				m³/h	12	18	24	30	36	42	48	54	60	66	72	
H=Total head [m]																
DUMPER 2X 51.5-S M-NC	-	2	1.5	15,8	14,3	12,6	10,4	8,0	-	-	-	-	-	-	-	-
DUMPER 2X 52.2-S M-NC	DUMPER 2X 52.2-S T	3	2.2	16,5	15,4	14,1	12,8	11,4	9,8	8,1	6,4	4,5	2,3	-	-	
-	DUMPER 2X 53-S T	4	3	17,9	17,2	16,1	14,9	13,5	12,1	10,6	9,0	7,4	5,8	3,8	-	

Submersible

# DUMPER L



Dewatering pumps in AISI 316 stainless steel

**DUMPER 3X Selection table**

Model Three phase 400V	HP	kW	Q=Flow rate													
			l/min	100	200	300	420	600	800	1050	1120	1150	1600	2130	2600	
			m <sup>3</sup> /h	6	12	18	25,2	36	48	63	67,2	69	96	127,8	156	
H=Total head [m]																
DUMPER 3X 53.7-S T	5	3.7		36,4	31	24,8	-	-	-	-	-	-	-	-	-	-
DUMPER 3X 53.7-M T	5	3.7		-	18,1	17,4	16,6	14,8	12,4	8,7	7,4	-	-	-	-	-
DUMPER 3X 53.7-L T	5	3.7		-	-	13,1	13,0	12,7	12,2	11,0	10,8	10,6	8,0	-	-	-
DUMPER 3X 55.5-S T	7.5	5.5		40,3	38,6	36,8	33,1	25,3	15,4	-	-	-	-	-	-	-
DUMPER 3X 55.5-M T	7.5	5.5		-	25,1	24,3	23,3	21,8	20,0	17,6	17,0	16,7	12,2	6,0	-	-
DUMPER 3X 57.5-S T	10	7.5		42,5	41,5	39,4	36,8	30,7	23,2	-	-	-	-	-	-	-
DUMPER 3X 57.5-M T	10	7.5		-	-	22,9	22,2	21,4	20,6	19,6	19,3	19,1	16,2	12,0	7,7	-

**DUMPER 4X Selection table**

Model Three phase 400V	HP	kW	Q=Flow rate												
			l/min	200	400	600	800	1000	1250	1600	2000	2500	3000	3500	
			m <sup>3</sup> /h	12	24	36	48	60	75	96	120	150	180	210	
H=Total head [m]															
DUMPER 4X 512-S T-SD	16	12		58,5	53	45	37,5	28,8	15,6	-	-	-	-	-	-
DUMPER 4X 512-M T-SD	16	12		-	31,4	30,1	28,7	27,3	25,2	22,8	18,8	14,7	10	4,7	-

**DUMPER 6X Selection table**

Model Three phase 400V	HP	kW	Q=Flow rate												
			l/min	500	1000	1500	2170	2280	3000	3750	4500	5250	6000	7100	
			m <sup>3</sup> /h	30	60	90	130,2	136,8	180	225	270	315	360	426	
H=Total head [m]															
DUMPER 6X 519-S T-SD	25	19		70,5	61,5	49	27	-	-	-	-	-	-	-	-
DUMPER 6X 519-M T-SD	25	19		37,3	33,4	30,6	27,1	26,5	21,8	17	11,2	5,5	-	-	-
DUMPER 6X 526-S T-SD	35	26		73,5	63,5	50	14	-	-	-	-	-	-	-	-
DUMPER 6X 526-M T-SD	35	26		41	38,5	35,8	32,2	31,6	28,3	25,1	21,7	17,7	12,8	-	-
DUMPER 6X 537-M T-SD	50	37		-	38,1	36	32,9	32,4	29,5	27,4	25,6	23,5	20,8	13,5	-

**DUMPER 7X Selection table**

Model Three phase 400V	HP	kW	Q=Flow rate											
			l/min	800	1200	1500	1800	2100	2400	2700	3000	3300		
			m <sup>3</sup> /h	48	72	90	108	126	144	162	180	198		
H=Total head [m]														
DUMPER 7X 537-S T-SD	50	37		82,5	78	74	69	64,5	58	52	47	36,3	-	-

# DUMPER L



Dewatering pumps in AISI 316 stainless steel

## Single phase 230V

Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
DUMPER 20L 52.2-S M-NC	1544500031A	<b>25.182,00</b>	3	2,2	19	G3	45,0

The pump is supplied without capacitor, float and control panel. For further informations please contact our sales network

## Three phase 400V

Model	Code	£ Stg	HP	kW	Abs. Curr. [A] 400V	DNM	Weight [kg]
DUMPER 10L 51-S T	1544500025A	<b>10.667,00</b>	1,3	1	2,4	G2	21,0
DUMPER 10L 51.5-S T	1544500027A	<b>11.335,00</b>	2	1,5	3,9	G2	23,0
DUMPER 20L 52.2-S T	1544500030A	<b>22.818,00</b>	3	2,2	5,5	G3	37,0
DUMPER 30L 53.7-L T	1544500032A	<b>24.107,00</b>	5	3,7	8,1	G4	49,0
DUMPER 30L 53.7-M T	1544500033A	<b>23.840,00</b>	5	3,7	8,1	G3	47,0
DUMPER 30L 53.7-S T	1544500034A	<b>23.156,00</b>	5	3,7	8,1	G3	60,0
DUMPER 30L 55.5-M T	1544500035A	<b>31.074,00</b>	7,5	5,5	12,5	G4	62,0
DUMPER 30L 55.5-S T	1544500036A	<b>30.656,00</b>	7,5	5,5	12,5	G3	67,0
DUMPER 30L 57.5-M T	1544500037A	<b>34.707,00</b>	10	7,5	16	G4	72,0
DUMPER 30L 57.5-S T	1544500038A	<b>34.515,00</b>	10	7,5	16	G3	73,0
DUMPER 40L 512-M T	1544500039A	<b>46.476,00</b>	16	12	24	G6	132,0
DUMPER 40L 512-S T	1544500040A	<b>47.160,00</b>	16	12	24	G4	147,0
DUMPER 60L 519-M T	1544500041A	<b>55.454,00</b>	25	19	39	G6	205,0
DUMPER 60L 519-S T	1544500042A	<b>45.908,00</b>	25	19	39	G4	210,0
DUMPER 60L 526-M T	1544500043A	<b>60.907,00</b>	35	26	51	G8	255,0
DUMPER 60L 526-S T	1544500044A	<b>61.249,00</b>	35	26	51	G6	260,0
DUMPER 60L 537-M T	1544500045A	<b>92.839,00</b>	50	37	64	G8	275,0
DUMPER 70L 537-S T	1544500046A	<b>97.043,00</b>	50	37	64	G6	410,0

DOL start for models up to 7,5kW, SD start for models from 12kW and above

# D-TANK



## Wastewater collection tanks

Wastewater collection tanks with sturdy construction, easy installation and equipped with rapid flow elbow. Tank made of polyethylene, capacity 100, 200 and 600 liters, inclusive of cover with expanded EPDM seal and AISI 304 stainless steel nuts and bolts. Available in the basic version and in the equipped version "E".



D-TANK 100 (E)

D-TANK 200 (E)

D-TANK 600 (E)



Easy to install



Sturdy hydraulic frame



Equipped with rapid passage bend

## Technical data

<b>Input</b>	DN 110 with gasket
<b>Output</b>	DN 50 with gasket (D-TANK 100) DN 63 with gasket (D-TANK 200 and 600)
<b>Power supply</b>	3 cable glands M20 + 2 closure caps (D-TANK 100) 4 cable glands M20 + 3 closure caps (D-TANK 200) 6 cable glands M20 + 4 closure caps (D-TANK 600)

## Accessories



### D-TANK accessories

Page 381 - Kit

- Plate for D-TANK 600E
- Flange D-TANK/DRS
- Adaptor for D-TANK
- Discharge kit for D-TANK 100

## Materials

Tank	Polyethylene
------	--------------

## Available versions



### D-TANK 100 (base version)

100 litres tank with gaskets and cable glands

### D-TANK 100E for E version

100 litres tank (discharge pipe in PVC Ø1½" x 50 mm, 2 collars for floats' cables, vertical outlet with elbow)

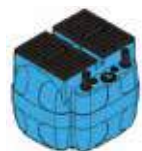


### D-TANK 200 (base version)

200 litres tank (discharge pipe in PVC Ø 2" x 63 mm, 2 collars for floats' cables vertical outlet with elbow)

### D-TANK 200E for E version

200 litres tank + pre-installed rapid coupling kit with guide pipes (discharge pipe in PVC Ø 2" per 63 mm, 2 collars for floats' cables, vertical outlet with elbow, plate on floor for weight up to 40 kg)



### D-TANK 600 (base version)

600 litres tank (discharge pipe in PVC Ø 2" x 63 mm, 3 collars for floats' cables vertical outlet with elbow)

### D-TANK 600E for E version

600 litres tank + pre-installed rapid coupling kit with guide pipes (discharge pipe in PVC Ø 2" per 63 mm, 3 collars for floats' cables, vertical outlet with elbow, plate on floor for weight up to 40 kg)

# D-TANK



## Wastewater collection tanks

Model	Code	£ Stg	Weight [kg]	Dimensioni [mm]
D-TANK 100	365800714	<b>552,00</b>	9,2	525x440x625
D-TANK 100 E	365800715	<b>829,00</b>	9,5	525x440x625
D-TANK 200	365800701	<b>664,00</b>	13,0	490x710x785
D-TANK 200 E	365800702A	<b>995,00</b>	23,0	490x710x785
D-TANK 600	365800703	<b>1.677,00</b>	33,0	925x870x1135
D-TANK 600 E	365800704A	<b>2.113,00</b>	53,0	925x870x1135

# BEST BOX



## Lift stations

Lifting stations characterized by robust, easy installation, available with or without an electric pump. Ideal for home water lifting and bathroom (sink, dishwasher, washing machine) (BEST BOX L), especially suitable for shower water, does not need to be entrapped thanks to the 90 mm bottom bath a non-return device (BEST BOX D), Raising rainwater, washing areas, garage descent, and so on. (BEST BOX G)



Easy to install



Sturdy hydraulic frame



Available with or without pumps

## Technical data

Tank capacity: 30 litres

## Pump (selected models)

Cable 5 metre + standardised plug

Max. temperature of the liquid 50°C

Poles 2

Insulation class F

Protection rating IP68

Maximum solid passage 10 mm BEST ONE  
20 mm BEST ONE VOX

Voltage Single phase 230V ± 10%

## Materials

Tank High density polyethylene

## Accessories



**Floats**  
Page 377 - 5/10 m key floats with counterweight

## Versions

### BEST BOX L

Tank 30 liter in polyethylene, lifting water for domestic and bathroom use, (sink, dishwasher, washing machine)

### BEST BOX L

Tank 30 liter in polyethylene, with BEST ONE single phase pump, with discharge pipe 1" arranged for receipt of water from above

### BEST BOX D

Tank 30 liter in polyethylene, especially suitable for shower water, does not have to be buried thanks to the tank inlet positioned at 90 mm from the bottom and a non-return device

### BEST BOX D

Tank 30 liter in polyethylene, with BEST ONE single phase pump, with discharge pipe 1 1/4" arranged for receipt of water from the bottom

### BEST BOX G

Tank 30 liter in polyethylene, lifting rainwater, from washing areas, garage ramps etc.

### BEST BOX G

Tank 30 liter in polyethylene, with BEST ONE VOX single phase pump, with discharge pipe 1 1/4"



# BEST BOX



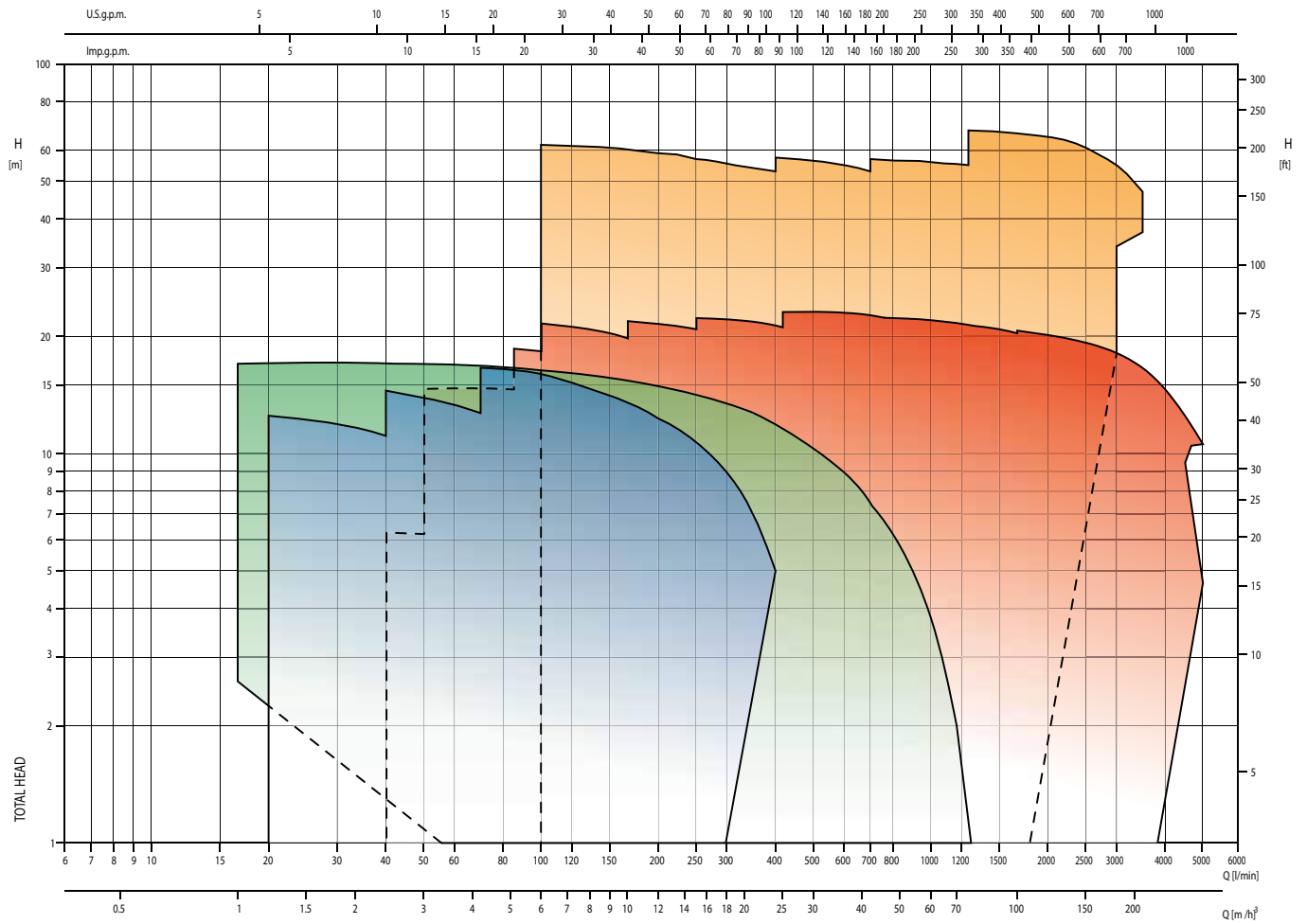
## Lift stations

Single phase 230V														
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	Weight [kg]	Dimensioni [mm]	
					l/min m <sup>3</sup> /h	20 1,2	40 2,4	80 4,8	120 7,2	160 9,6				170 10,2
H=Total head [m]														
BEST BOX L	1540050003	<b>598,00</b>	-	-								-	7,0	270x405x360
BEST BOX L	1540050001	<b>772,00</b>	0,33	0,25	8,3	7,8	6,3	4,5	2,4	1,8	2,3	12,0	270x405x360	
BEST BOX D	1540050004	<b>641,00</b>	-	-							-	7,0	270x405x360	
BEST BOX D	1540050002	<b>841,00</b>	0,33	0,25	8,3	7,8	6,3	4,5	2,4	1,8	2,3	12,0	270x405x360	
BEST BOX G	1540050005	<b>607,00</b>	-	-							-	10,0	375x510x470	
BEST BOX G	1540050000	<b>781,00</b>	0,33	0,25	6,0	5,6	4,8	3,5	2,0	1,5	2,2	15,0	375x510x470	

# Circulators and In-line

Model	Pump body	Impeller material	Liquid temperature
<b>Ego</b>	Cast iron	Technopolymer	+5°C ÷ +95°C
<b>Ego easy</b>	Cast iron	Technopolymer	+2°C ÷ 110°C
<b>Ego slim</b>	Cast iron	Technopolymer	-10°C ÷ +110°C
<b>Ego</b>	Cast iron	AISI 304	+2°C ÷ +110°C
<b>Ego B</b>	Bronze	Technopolymer/AISI 304 <sup>1</sup>	+5°C ÷ +65°C
<b>MR B</b>	Bronze	Noryl/Aisi 304	-10°C ÷ +65°C
<b>LPS</b>	AISI 304	AISI 304	-10°C ÷ +100°C
<b>LPC - LPCD</b>	Cast iron	Cast iron	-10°C ÷ +110°C

<sup>1</sup> Technopolymer for threaded and easy - AISI 304 for the rest of the range



	<b>Ego</b> Single and twin threaded electronic circulators in cast iron	<b>292</b>
	<b>Ego easy</b> Single and twin threaded/flanged electronic circulators in cast iron	<b>295</b>
	<b>Ego slim</b> Single and twin flanged electronic circulators in cast iron	<b>298</b>
	<b>Ego C</b> Single and twin flanged electronic circulators in cast iron	<b>301</b>
	<b>Ego B</b> Single threaded/flanged electronic circulators for sanitary water in bronze	<b>304</b>
	<b>MR B</b> Single circulators for sanitary water in bronze	<b>307</b>
	<b>LPS</b> In-line centrifugal pumps in AISI 304 stainless steel	<b>309</b>
	<b>LPC - LPCD</b> Single and twin in-line centrifugal pumps in-line in cast iron	<b>311</b>
	<b>LPC - LPCD with E-drive</b> Electronic single and twin centrifugal in-line pumps in cast iron	<b>321</b>

# Ego



## Single and twin threaded electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



ER version with integrated 0-10V control available on request



**AISI 316**  
AISI 316 rotor shirt without welding points



**Bronze**  
Bronze version for sanitary water available



**Practical**  
Practical and easy to use



**High efficiency**

## Materials

<b>Pump body</b>	Cast iron with cathaphoresis coating
<b>Impeller</b>	Technopolymer
<b>Shaft</b>	Ceramic
<b>Rotor can</b>	AISI 316 stainless steel

## Technical data

<b>Max. pressure</b>	10 bar
<b>Liquid temperature</b>	+5°C ÷ +95°C
<b>Ambient temperature</b>	0°C ÷ +40°C
<b>Max. glycol quantity</b>	20%
<b>Min. suction pressure</b>	- 0,05 bar at 50°C - 0,4 bar at 80°C - 1,1 bar at 110°C
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44
<b>Voltage</b>	Single phase 230V

## Accessories



### Counterflanges kit

Page 387 - **Galvanized counterflanges kit**



### Blind flanges

Page 387 - **Blind flange for Ego TC**



### Nozzles

Page 388 - **Cast iron/steel/brass nozzles**  
Pair of nozzles and related fittings



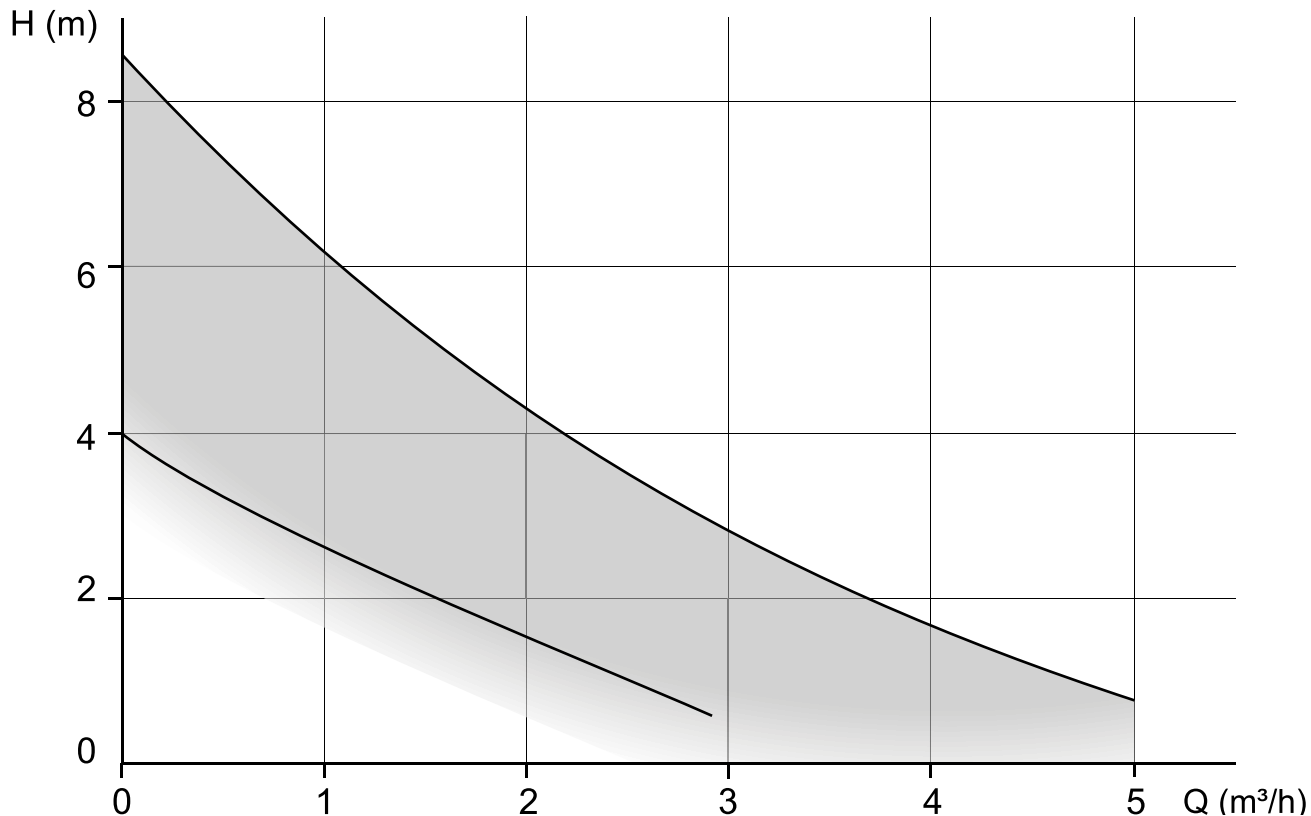
### Insulation casing

Page 378 - **Insulation casing**

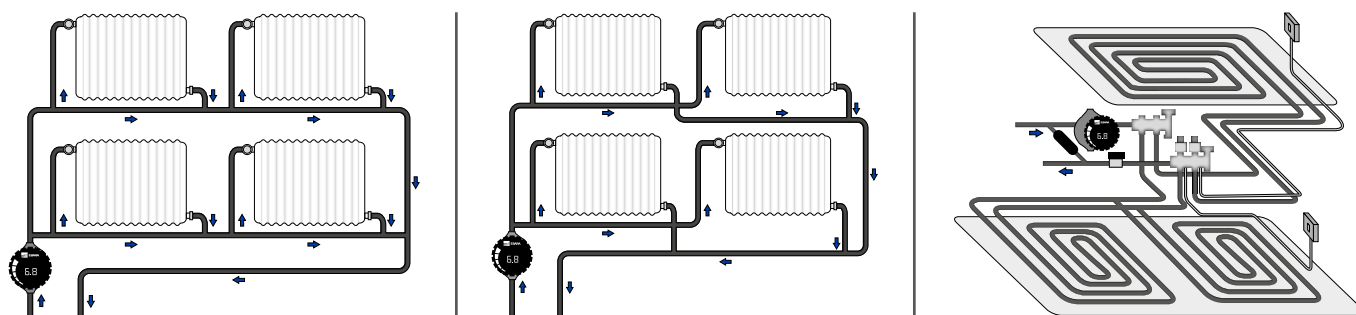
# Ego



Single and twin threaded electronic circulators in cast iron



## Applications



### Heating systems

The pumps are suitable for single-pipe systems, two-pipes systems, underfloor heating systems and mixing loops of great installations. All Ego circulators control differential pressure automatically and autonomously, adjusting pumps performances in accordance to heating requirements.

### Air-conditioning systems

Please refer to the minimum allowed temperatures of every product range to see how to use the Ego pumps. Some models are suitable for circulation at temperatures below 0°C (they are, therefore, particularly recommended for air-conditioning and/or refrigeration systems).

# Ego



Single and twin threaded electronic circulators in cast iron

## Selection table

Model	Q=Flow rate											
	l/min	8,3	16,7	25	33,3	41,7	50	58,3	66,7	75	83,3	91,7
	m <sup>3</sup> /h	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5
H=Total head [m]												
Ego 15/40-130		3,9	3,0	2,2	1,4	0,5	-	-	-	-	-	-
Ego 25/40-130		3,9	2,8	2,1	1,5	0,9	-	-	-	-	-	-
Ego 15/60-130		5,8	4,6	3,5	2,2	1,2	0,5	-	-	-	-	-
Ego 25/60-130		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego 25/80-130		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-
Ego 25/40-180		3,9	2,8	2,1	1,5	0,9	-	-	-	-	-	-
Ego 32/40-180		3,5	2,8	2,2	1,7	1,3	0,9	0,4	0,1	-	-	-
Ego 25/60-180		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego 32/60-180		5,7	4,5	3,6	3,0	2,5	1,7	1,3	0,9	0,5	-	-
Ego 25/80-180		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-
Ego 32/80-180		7,8	6,8	5,6	4,8	4,0	3,2	2,6	1,9	1,3	0,8	0,2
Ego T 25/60-180		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego T 32/60-180		5,7	4,5	3,6	3,0	2,5	1,7	1,3	0,9	0,5	-	-
Ego T 25/80-180		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-
Ego T 32/80-180		7,8	6,8	5,6	4,8	4,0	3,2	2,6	1,9	1,3	0,8	0,2

## Single phase 230V

Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interasse [mm]	Connections	Weight [kg]
Ego 15/40-130	1576000000	<b>222,00</b>	25	0,2	≤ 0,15	130	G1	1,9
Ego 25/40-130	1576000001	<b>222,00</b>	25	0,2	≤ 0,15	130	G1½	2,1
Ego 15/60-130	1576000002	<b>237,00</b>	50	0,4	≤ 0,17	130	G1	1,9
Ego 25/60-130	1576000003	<b>237,00</b>	50	0,4	≤ 0,17	130	G1½	2,1
Ego 25/80-130	1576000004	<b>278,00</b>	75	0,6	≤ 0,19	130	G1½	2,1
Ego 25/40-180	1576000005	<b>227,00</b>	25	0,2	≤ 0,15	180	G1½	2,4
Ego 32/40-180	1576000006	<b>231,00</b>	25	0,2	≤ 0,15	180	G2	2,5
Ego 25/60-180	1576000007	<b>241,00</b>	50	0,4	≤ 0,17	180	G1½	2,4
Ego 32/60-180	1576000008	<b>246,00</b>	50	0,4	≤ 0,17	180	G2	2,5
Ego 25/80-180	1576000009	<b>284,00</b>	75	0,6	≤ 0,19	180	G1½	2,4
Ego 32/80-180	1576000010	<b>290,00</b>	75	0,6	≤ 0,19	180	G2	2,5
Ego T 25/60-180	1576000071	<b>401,00</b>	50	0,4	≤ 0,17	180	G1½	5,6
Ego T 32/60-180	1576000072	<b>401,00</b>	50	0,4	≤ 0,17	180	G2	5,8
Ego T 25/80-180	1576000069	<b>464,00</b>	75	0,6	≤ 0,19	180	G1½	5,6
Ego T 32/80-180	1576000070	<b>464,00</b>	75	0,6	≤ 0,19	180	G2	5,8

# Ego easy



## Single and twin threaded/flanged electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



AISI 316 rotor shirt without welding points



Bronze version for sanitary water available



Practical and easy to use



High efficiency

### Materials

Pump body	Cast iron with cataphoresis coating
Impeller	Technopolymer
Shaft	AISI 316 stainless steel
Rotor can	AISI 316 stainless steel

### Technical data

Max. pressure	10 bar
Liquid temperature	+2°C ÷ +110°C
Ambient temperature	0°C ÷ +40°C
Min. suction pressure	- 0,05 bar at 50°C - 0,8 bar at 80°C - 1,4 bar at 110°C
Insulation class:	F
Protection degree:	IP44
Voltage	Single phase 230V

### Accessories



#### Counterflanges kit

Page 387 - Galvanized counterflanges kit



#### Blind flanges

Page 387 - Blind flange for Ego TC



#### Nozzles

Page 388 - Cast iron/steel/brass nozzles  
Pair of nozzles and related fittings



#### Communication module

Page 387 - Communication C Module



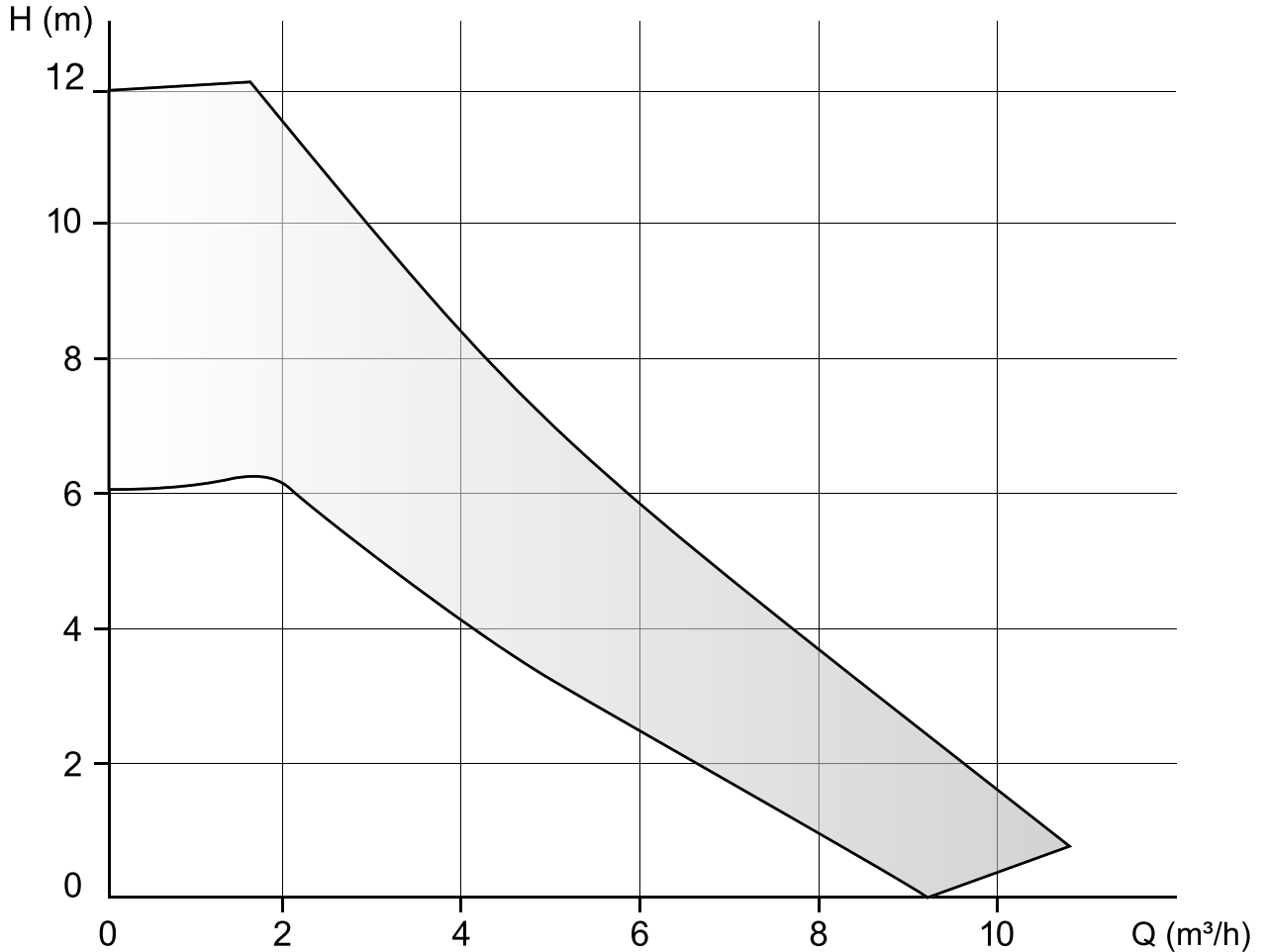
#### Insulation casing

Page 378 - Insulation casing

# Ego easy



Single and twin threaded/flanged electronic circulators in cast iron



## Selection table

Model	Q=Flow rate										
	l/min	16,7	33,3	50	66,7	83,3	100	116,7	133,3	150	166,7
	m³/h	1	2	3	4	5	6	7	8	9	10
H=Total head [m]											
Ego easy 25-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego easy 32-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego easy 25-80		8,2	8,5	7,5	6,5	5,4	4,4	3,4	2,4	1,5	0,4
Ego easy 32-80		8,2	8,5	7,5	6,5	5,4	4,4	3,4	2,4	1,5	0,4
Ego easy 25-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 32-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 25-120		12,1	11,5	10,0	8,6	7,3	6,0	4,8	3,7	2,5	1,4
Ego easy 32-120		12,1	11,5	10,0	8,6	7,3	6,0	4,8	3,7	2,5	1,4
Ego easy 32-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 40-60F		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego easy 40-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 50-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego TC easy 32-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego TC easy 32-80		8,2	8,5	7,5	6,5	5,4	4,4	3,4	2,4	1,5	0,4
Ego TC easy 32-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego TC easy 40-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4



# Ego easy



Single and twin threaded/flanged electronic circulators in cast iron

Single phase 230V								
Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interasse [mm]	Connections	Weight [kg]
Ego easy 25-60	1576000063	<b>634,00</b>	90	0,75	≤ 0,21	180	G1½	4,0
Ego easy 32-60	1576000064	<b>634,00</b>	90	0,75	≤ 0,21	180	G2	4,1
Ego easy 25-80	1576000061	<b>672,00</b>	140	1,15	≤ 0,21	180	G1½	4,0
Ego easy 32-80	1576000062	<b>672,00</b>	140	1,15	≤ 0,21	180	G2	4,1
Ego easy 25-100	1576000011	<b>727,00</b>	180	1,5	≤ 0,21	180	G1½	3,3
Ego easy 32-100	1576000012	<b>743,00</b>	180	1,5	≤ 0,21	180	G2	3,4
Ego easy 25-120	1576000092	<b>785,00</b>	180	1,5	≤ 0,22	180	G1½	3,2
Ego easy 32-120	1576000093	<b>793,00</b>	180	1,5	≤ 0,22	180	G2	3,5
Ego easy 32-100F	1576000013	<b>794,00</b>	180	1,5	≤ 0,21	220	DN32	6,4
Ego easy 40-60F	1576000138	<b>765,00</b>	90	0,75	≤ 0,21	220	DN40	11,0
Ego easy 40-100F	1576000014	<b>827,00</b>	180	1,5	≤ 0,21	220	DN40	7,5
Ego easy 50-100F	1576000016	<b>974,00</b>	180	1,5	≤ 0,21	240	DN50	8,8
Ego TC easy 32-60	1576000088	<b>1.514,00</b>	90	0,75	≤ 0,21	180	G2	9,5
Ego TC easy 32-80	1576000089	<b>1.654,00</b>	140	1,15	≤ 0,21	180	G2	9,5
Ego TC easy 32-100	1576000091	<b>1.670,00</b>	180	1,5	≤ 0,21	180	G2	12,3
Ego TC easy 40-100F	1576000090	<b>1.836,00</b>	180	1,45	≤ 0,21	220	DN40	12,3

# Ego slim



## Single and twin flanged electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



**AISI 316**  
AISI 316 rotor shirt without welding points



**Bronze**  
Bronze version for sanitary water available



**Practical**  
Practical and easy to use



**High efficiency**

## Materials

<b>Pump body</b>	Cast iron with cataphoresis coating
<b>Impeller</b>	Technopolymer
<b>Shaft</b>	AISI 316 stainless steel
<b>Rotor can</b>	AISI 316 stainless steel

## Technical data

**Max. pressure** 10 bar

**Liquid temperature** -10 ÷ +110°C

**Ambient temperature** 0 ÷ +40°C

**Min. suction pressure**  
- 0,05 bar at 50°C  
- 0,8 bar at 80°C  
- 1,4 bar at 110°C

**Insulation class:** F

**Protection degree:** IP44

**Voltage** Single phase 230V

## Accessories



### Counterflanges kit

Page 387 - **Galvanized counterflanges kit**



### Blind flanges

Page 387 - **Blind flange for Ego TC**



### Nozzles

Page 388 - **Cast iron/steel/brass nozzles**  
Pair of nozzles and related fittings



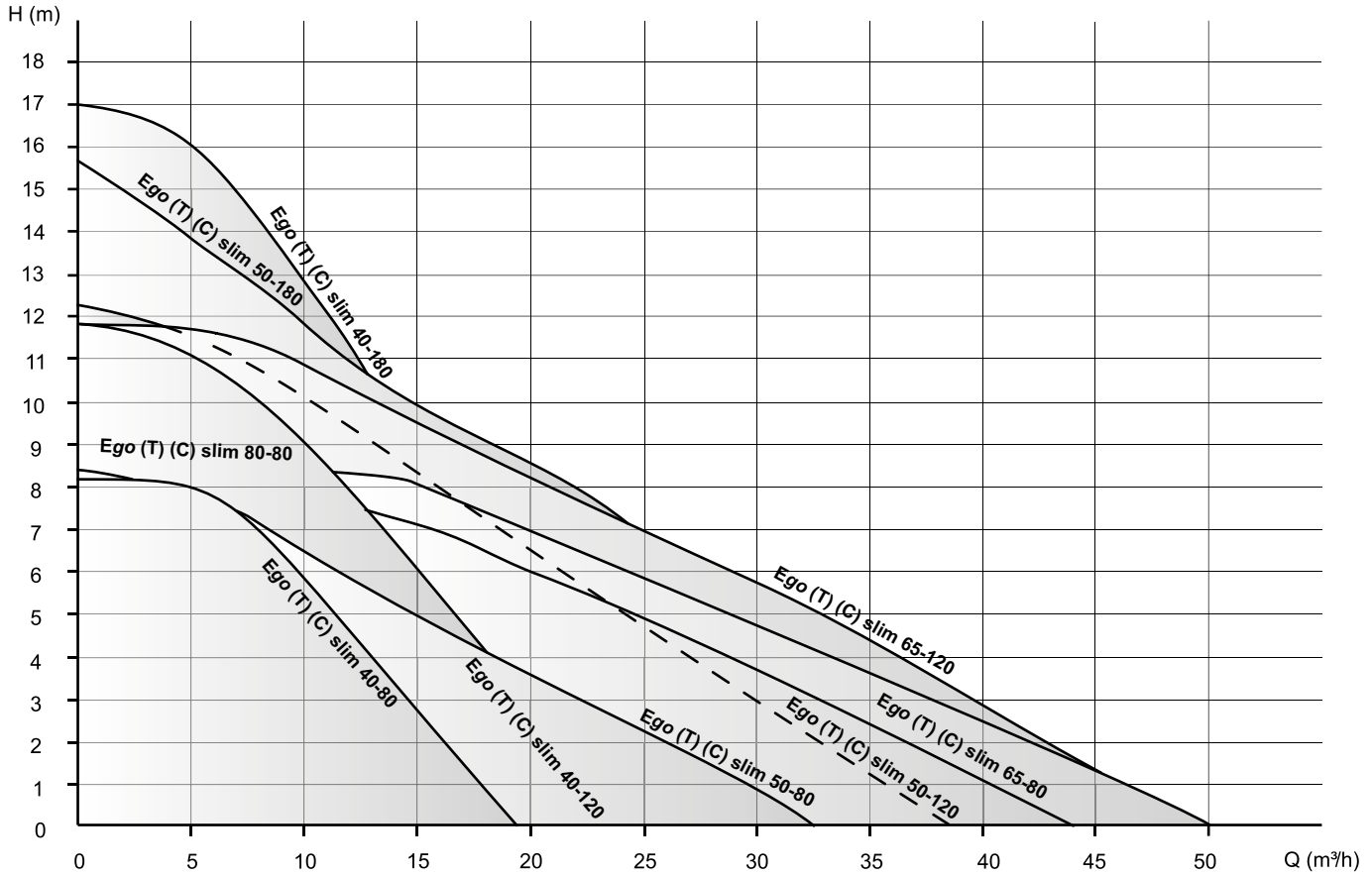
### Communication module

Page 387 - **Communication C Module**

# Ego slim



Single and twin flanged electronic circulators in cast iron



## Selection table

Model	Q=Flow rate											
	l/min	41,7	83,3	166,7	250	333,3	416,7	500	583,3	666,7	700	783,3
	m³/h	2,50	5,00	10,00	15,00	20,00	25,00	30,00	35,00	40,00	42,00	47,00
H=Total head [m]												
Ego slim 40-80/220		8,30	8,00	5,80	2,70	-	-	-	-	-	-	-
Ego slim 40-80/250		8,30	8,00	5,80	2,70	-	-	-	-	-	-	-
Ego slim 40-120		11,60	11,20	10,00	6,50	2,70	-	-	-	-	-	-
Ego slim 40-180		16,90	16,00	13,00	9,00	5,00	0,50	-	-	-	-	-
Ego slim 50-80		8,10	7,80	6,40	5,00	3,60	2,20	0,80	-	-	-	-
Ego slim 50-120		12,00	11,40	9,50	7,90	6,00	4,40	3,00	1,10	-	-	-
Ego slim 50-180		15,00	14,00	12,00	10,00	8,70	7,00	4,90	2,80	1,10	0,30	-
Ego slim 65-80		8,00	7,80	7,80	7,00	6,00	5,00	3,60	2,50	1,00	0,60	-
Ego slim 65-120		11,90	11,70	10,90	9,50	8,30	7,00	5,70	4,30	3,00	1,20	0,50
Ego slim 80-80		8,50	8,50	8,30	8,00	7,00	6,00	4,80	3,70	2,50	1,30	0,80
Ego TC slim 40-80/220		8,30	8,00	5,80	2,70	-	-	-	-	-	-	-
Ego TC slim 40-80/250		8,30	8,00	5,80	2,70	-	-	-	-	-	-	-
Ego TC slim 40-120		11,60	11,20	10,00	6,50	2,70	-	-	-	-	-	-
Ego TC slim 40-180		16,90	16,00	13,00	9,00	5,00	0,50	-	-	-	-	-
Ego TC slim 50-80		8,10	7,80	6,40	5,00	3,60	2,20	0,80	-	-	-	-
Ego TC slim 50-120		12,00	11,40	9,50	7,90	6,00	4,40	3,00	1,10	-	-	-
Ego TC slim 50-180		15,00	14,00	12,00	10,00	8,70	7,00	4,90	2,80	1,10	0,30	-
Ego TC slim 65-80		8,00	7,80	7,80	7,00	6,00	5,00	3,60	2,50	1,00	0,60	-
Ego TC slim 65-120		11,90	11,70	10,90	9,50	8,30	7,00	5,70	4,30	3,00	1,20	0,50
Ego TC slim 80-80		8,50	8,50	8,30	8,00	7,00	6,00	4,80	3,70	2,50	1,30	0,80

# Ego slim



Single and twin flanged electronic circulators in cast iron

Single phase 230V								
Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interasse [mm]	Connections	Weight [kg]
Ego slim 40-80/220	1576000120	on request	270	1,2	≤0,21	220	DN40	9,6
Ego slim 40-80/250	1576000136	on request	270	1,2	≤0,21	250	DN40	9,6
Ego slim 40-120	1576000015A	<b>1.794,00</b>	480	2,3	≤0,21	250	DN40	12,5
Ego slim 40-180	1576000121	on request	680	2,9	≤0,23	250	DN40	13,5
Ego slim 50-80	1576000122	on request	370	1,7	≤0,22	280	DN50	12,5
Ego slim 50-120	1576000017A	<b>2.162,00</b>	560	2,5	≤0,21	280	DN50	16,0
Ego slim 50-180	1576000123	on request	800	3,7	≤0,20	280	DN50	16,0
Ego slim 65-80	1576000124	on request	560	2,5	≤0,22	340	DN65	16,4
Ego slim 65-120	1576000125	on request	800	3,7	≤0,20	340	DN65	19,3
Ego slim 80-80	1576000126	on request	800	3,7	≤0,20	360	DN80	26,0
Ego TC slim 40-80/220	1576000137	on request	480	2,3	≤0,21	250	DN40	23
Ego TC slim 40-80/250	1576000127	on request	680	2,9	≤0,21	250	DN40	25,5
Ego TC slim 40-120	1576000021A	<b>3.357,00</b>	370	1,7	≤0,21	280	DN40	23
Ego TC slim 40-180	1576000128	on request	560	2,5	≤0,23	280	DN40	33
Ego TC slim 50-80	1576000129	on request	800	3,7	≤0,22	280	DN50	35
Ego TC slim 50-120	1576000022A	<b>4.238,00</b>	560	2,5	≤0,21	340	DN50	33
Ego TC slim 50-180	1576000130	on request	800	3,7	≤0,20	340	DN50	41
Ego TC slim 65-80	1576000131	on request	1500	6,7	≤0,22	340	DN65	73
Ego TC slim 65-120	1576000132	on request	800	3,7	≤0,20	360	DN65	47
Ego TC slim 80-80	1576000133	on request	1600	7,3	≤0,20	360	DN80	76

# Ego C



## Single and twin flanged electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



**AISI 316**  
AISI 316 rotor shirt without welding points



**Bronze**  
Bronze version for sanitary water available



**Practical**  
Practical and easy to use



**High**  
High efficiency

### Materials

Pump body	Cast iron with cataphoresis coating
Impeller	AISI 304 stainless steel
Shaft	AISI 316 stainless steel
Rotor can	AISI 316 stainless steel

### Technical data

Max. pressure	10 bar
Liquid temperature	+2 ÷ +110°C
Ambient temperature	0 ÷ +40°C
Min. suction pressure	- 0,05 bar at 50°C - 0,8 bar at 80°C - 1,4 bar at 110°C
Insulation class:	F
Protection degree:	IP44
Voltage	Single phase 230V

### Accessories



**Counterflanges kit**  
Page 387 - Galvanized counterflanges kit



**Blind flanges**  
Page 387 - Blind flange for Ego TC

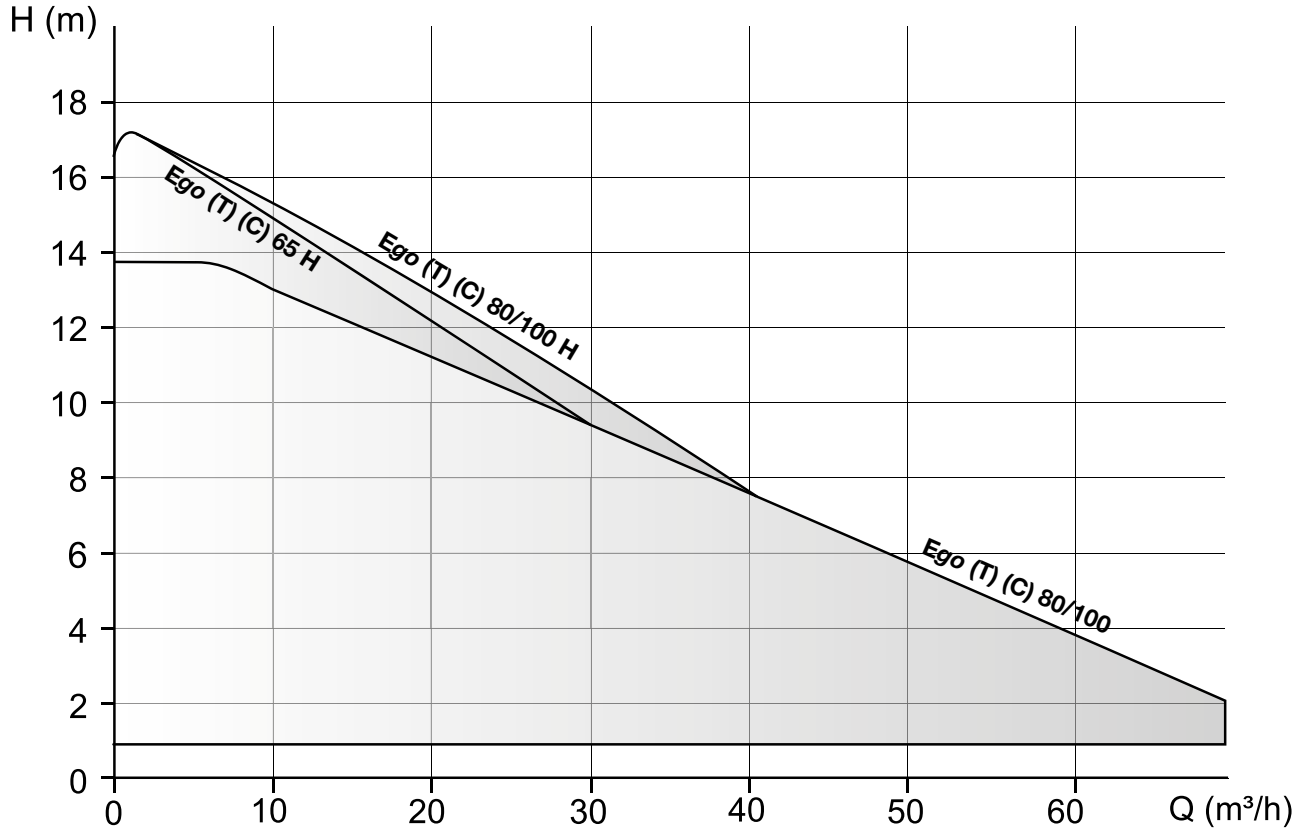


**Nozzles**  
Page 388 - Cast iron/steel/brass nozzles  
Pair of nozzles and related fittings

# Ego C



Single and twin flanged electronic circulators in cast iron



## Selection table

Model	Q=Flow rate										
	l/min	83,3	166,7	250,0	333,3	416,7	500,0	583,3	666,7	750,0	833,3
	m³/h	5,0	10,0	15,0	20,0	25,0	30,0	35,0	40,0	45,0	50,0
H=Total head [m]											
Ego 65		12,5	11,5	10,2	9,0	7,8	6,5	5,3	4,2	3,0	2,0

## Selection table

Model	Q=Flow rate										
	l/min	116,7	233,3	350,0	466,7	583,3	700,0	816,7	933,3	1050,0	1166,7
	m³/h	7,0	14,0	21,0	28,0	35,0	42,0	49,0	56,0	63,0	70,0
H=Total head [m]											
Ego 80		13,5	12,2	10,5	9,3	8,0	7,0	5,5	4,4	3,2	1,8
Ego 100		13,5	12,2	10,5	9,3	8,0	7,0	5,5	4,4	3,2	1,8

## Selection table

Model	Q=Flow rate																
	l/min	66,7	133,3	200,0	266,7	333,3	400,0	466,7	533,3	600,0	666,7	733,3	800,0	866,7	933,3	1000,0	1066,7
	m³/h	4,0	8,0	12,0	16,0	20,0	24,0	28,0	32,0	36,0	40,0	44,0	48,0	52,0	56,0	60,0	64,0
H=Total head [m]																	
Ego 50 H		15,2	13,8	12,4	11,0	9,7	8,2	7,0	5,5	4,0	2,5	-	-	-	-	-	-
Ego 65 H		16,5	15,5	14,5	13,3	12,2	11,1	10,0	8,9	7,8	6,5	5,4	4,2	3,0	1,9	-	-
Ego 80 H		16,6	15,8	14,9	14,0	13,0	12,0	11,0	10,0	8,9	7,9	6,9	5,7	4,5	3,2	2,0	0,9
Ego 100 H		16,6	15,8	14,9	14,0	13,0	12,0	11,0	10,0	8,9	7,9	6,9	5,7	4,5	3,2	2,0	0,9

# Ego C



Single and twin flanged electronic circulators in cast iron

## Single phase 230V

Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interasse [mm]	Connections	Weight [kg]
Ego C 65 H	1576000112	<b>4.106,00</b>	1500	6,7	≤ 0,23	340	DN65	39,0
Ego C 80	1576000103	<b>on request</b>	1600	6,9	≤ 0,22	360	DN80	44,0
Ego C 80 H	1576000113	<b>on request</b>	1600	7,2	≤ 0,23	360	DN80	41,0
Ego C 100	1576000105	<b>on request</b>	1600	6,9	≤ 0,22	360	DN100	47,0
Ego C 100 H	1576000114	<b>4.881,00</b>	1600	7,2	≤ 0,23	360	DN100	45,0
Ego TC 65 H	1576000117	<b>on request</b>	1500	6,7	≤ 0,23	340	DN65	73
Ego TC 80	1576000104	<b>on request</b>	1600	6,9	≤ 0,22	360	DN80	81
Ego TC 80 H	1576000118	<b>on request</b>	1600	7,3	≤ 0,23	360	DN80	76

# Ego B



## Single and twin threaded/flanged electronic circulators in bronze for sanitary water

Circulators with integrated electronic control with permanent magnet rotor and bronze pump body. They differ from standard fixed-speed circulators for the possibility of continuous adjustment of operation according to the actual requirements of the plant and this results in considerable energy savings as well as a low level of noise.



**AISI 316**  
AISI 316 rotor shirt without welding points



**Practical and easy to use**



**High efficiency**

### Technical data

**Max. pressure** 10 bar

**Liquid temperature** +5 ÷ +65°C

**Ambient temperature** 0 ÷ +40°C

**Min. suction pressure**  
- 0.05 bar at 50°C  
- 0.8 bar at 80°C  
- 1.4 bar at 110°C

**Insulation class:** F

**Protection degree:** IP44

**Voltage** Single phase 230V

### Materials

<b>Pump body</b>	Bronze
<b>Impeller</b>	Technopolymer (threaded and easy) AISI 304 stainless steel for the rest of the range
<b>Shaft</b>	Ceramic (threaded Ego B) Stainless steel for the rest of the range
<b>Rotor can</b>	AISI 316 stainless steel

### Accessories



#### Counterflanges kit

Page 387 - **Galvanized counterflanges kit**



#### Blind flanges

Page 387 - **Blind flange for Ego TC**



#### Nozzles

Page 388 - **Cast iron/steel/brass nozzles**  
Pair of nozzles and related fittings



#### Communication module

Page 387 - **Communication C Module**



#### Insulation casing

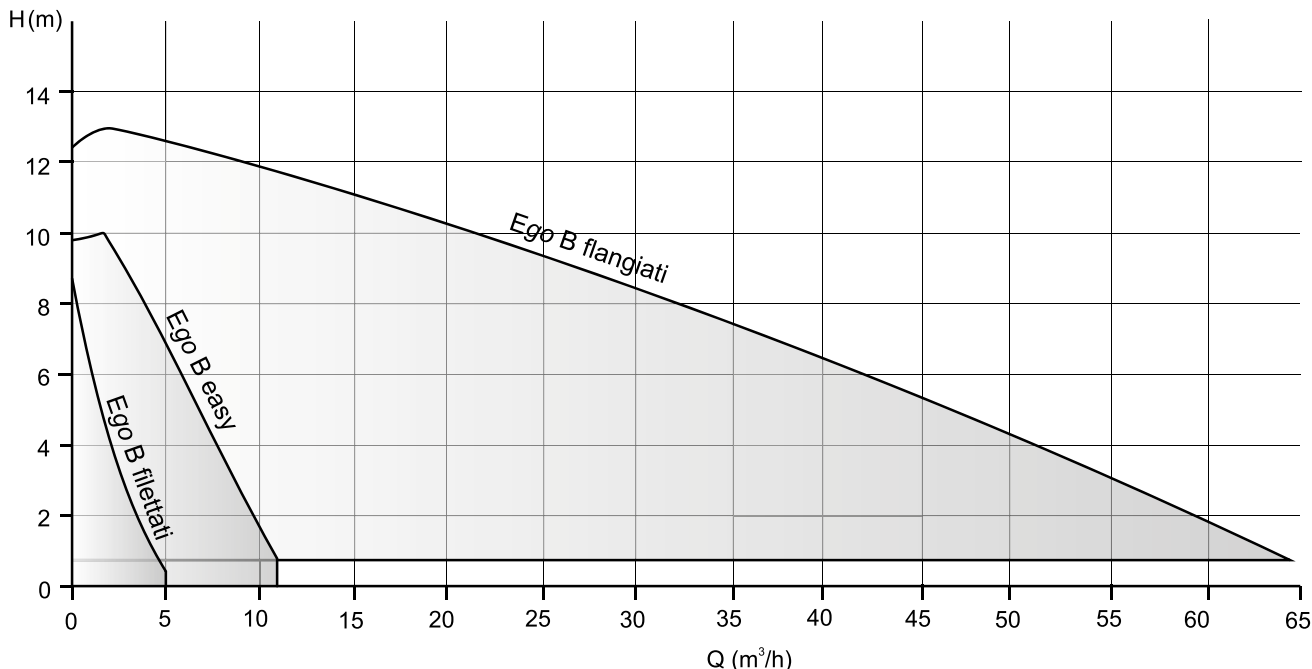
Page 378 - **Insulation casing**



# Ego B



Single and twin threaded/flanged electronic circulators in bronze for sanitary water



Model	Q=Flow rate											
	l/min	8,3	16,7	25	33,3	41,7	50	58,3	66,7	75	83,3	91,7
	m³/h	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5
H=Total head [m]												
Ego B 25/40-130		3,9	2,8	2,1	1,5	0,9	-	-	-	-	-	-
Ego B 25/60-130		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego B 25/80-130		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-

Model	Q=Flow rate										
	l/min	16,7	33,3	50	66,7	83,3	100	116,7	133,3	150	166,7
	m³/h	1	2	3	4	5	6	7	8	9	10
H=Total head [m]											
Ego B easy 25-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego B easy 32-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego B easy 25-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego B easy 32-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4

Model	Q=Flow rate											
	l/min	41,7	83,3	166,7	250	333,3	416,7	500	583,3	666,7	700	783,3
	m³/h	2,50	5,00	10,00	15,00	20,00	25,00	30,00	35,00	40,00	42,00	47,00
H=Total head [m]												
Ego B slim 40-120		11,60	11,20	10,00	6,50	2,70	-	-	-	-	-	-
Ego B slim 50-120		12,00	11,40	9,50	7,90	6,00	4,40	3,00	1,10	-	-	-

Model	Q=Flow rate										
	l/min	83,3	166,7	250,0	333,3	416,7	500,0	583,3	666,7	750,0	833,3
	m³/h	5,0	10,0	15,0	20,0	25,0	30,0	35,0	40,0	45,0	50,0
H=Total head [m]											
Ego B 65		12,5	11,5	10,2	9,0	7,8	6,5	5,3	4,2	3,0	2,0

Circulators In-line

# Ego B



Single and twin threaded/flanged electronic circulators in bronze for sanitary water

Single phase 230V								
Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego B 25/40-130	1576000082	<b>320,00</b>	25	0,2	0,15	130	G1½	2,1
Ego B 25/60-130	1576000083	<b>344,00</b>	50	0,4	0,17	130	G1½	2,1
Ego B 25/80-130	1576000084	<b>443,00</b>	75	0,6	0,17	130	G1½	2,1
Ego B easy 25-60	1576000106	<b>785,00</b>	90	0,75	0,20	180	G1½	4
Ego B easy 32-60	1576000107	<b>785,00</b>	90	0,75	0,20	180	G2	4,1
Ego B easy 25-100	1576000108	<b>874,00</b>	180	1,5	0,20	180	G1½	3,3
Ego B easy 32-100	1576000109	<b>889,00</b>	180	1,5	0,20	180	G2	3,4
Ego B slim 40-120	1576000134	<b>2.280,00</b>	480	2,3	0,20	250	DN40	12,5
Ego B slim 50-120	1576000135	<b>2.658,00</b>	560	2,5	0,20	280	DN50	16
Ego B 65	1576000087	<b>2.899,00</b>	1100	4,8	0,20	340	DN65	35,3

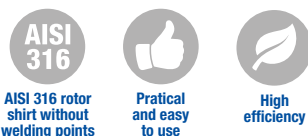
# MR B



## Single threaded/flanged circulators in bronze for sanitary water

Three-speed circulation pumps with permanent magnet motor and bronze body, making them suitable for sanitary water circulation systems.

They are available either with threaded connections, or with flanged connections, up to a maximum range of 42 m<sup>3</sup>/h.



AISI 316 rotor shirt without welding points

Practical and easy to use

High efficiency

## Materials

Pump body	Bronze
Impeller	Polyamide
Shaft	AISI 420 and 431 stainless steel
Rotor can	AISI 316 stainless steel

## Technical data

Max. pressure	10 bar
Liquid temperature	-10 a +65°C
Ambient temperature	0 ÷ +40°C
Min. suction pressure	- 0,05 bar at 50°C - 0,8 bar at 80°C - 1,4 bar at 110°C
Insulation class:	H
Protection degree:	IP43
Voltage	Single phase 230V

## Accessories



### Counterflanges kit

Page 387 - Galvanized counterflanges kit



### Nozzles

Page 388 - Cast iron/steel/brass nozzles  
Pair of nozzles and related fittings

# MR B



Single threaded/flanged circulators in bronze for sanitary water

## Single phase 230V

Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	Interaxle spacing [mm]	Connections	Weight [kg]
MR B 15/40-130	1576000041	<b>222,00</b>	75	0,33	130	G1	2,3
MR B 25/40-130	1576000042	<b>222,00</b>	75	0,33	130	G1½	2,4
MR B 15/60-130	1576000043	<b>227,00</b>	90	0,39	130	G1	2,5
MR B 25/60-130	1576000044	<b>227,00</b>	90	0,39	130	G1½	2,6
MR B 25/70-130	1576000045	<b>271,00</b>	140	0,62	130	G1½	2,6

## Three phase 400V

Model	Code	£ Stg	P <sub>1</sub> max [W]	I max [A] 1~ 230V	Interaxle spacing [mm]	Connections	Weight [kg]
MR B 40-120 F	1576000046	<b>1.718,00</b>	578	1,46	250	DN40	22,0
MR B 40-70 F	1576000047	<b>1.718,00</b>	295	0,74	250	DN40	22,0
MR B 50-120 F	1576000048	<b>2.000,00</b>	1020	1,73	280	DN50	28,0
MR B 50-70 F	1576000049	<b>1.884,00</b>	470	1,15	280	DN50	28,0
MR B 65-120 F	1576000050	<b>2.180,00</b>	1560	2,8	340	DN65	36,0
MR B 65-70 F	1576000051	<b>2.033,00</b>	600	1,25	340	DN65	36,0

# LPS



## In-line centrifugal pumps in AISI 304 stainless steel

In-line centrifugal pumps with AISI 304 stainless steel hydraulic parts. Versatile, quiet and particularly suitable for handling liquids in residential, commercial and industrial heating and circulation systems. Used for handling hot sanitary water, low-pressure liquids in general and in cooling and air-conditioning systems.



Practical  
and easy  
to use



Low noise

## Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBRH
Motor support	Aluminium

## Technical data

Max. pressure	2 bar for single phase models and three phase LPS 25 4 bar for three phase LPS 32-40-50
Liquid temperature	-10°C ÷ +100°C
Poles	2
MEI	> 0,4
Insulation class:	F
Protection degree:	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

## Accessories



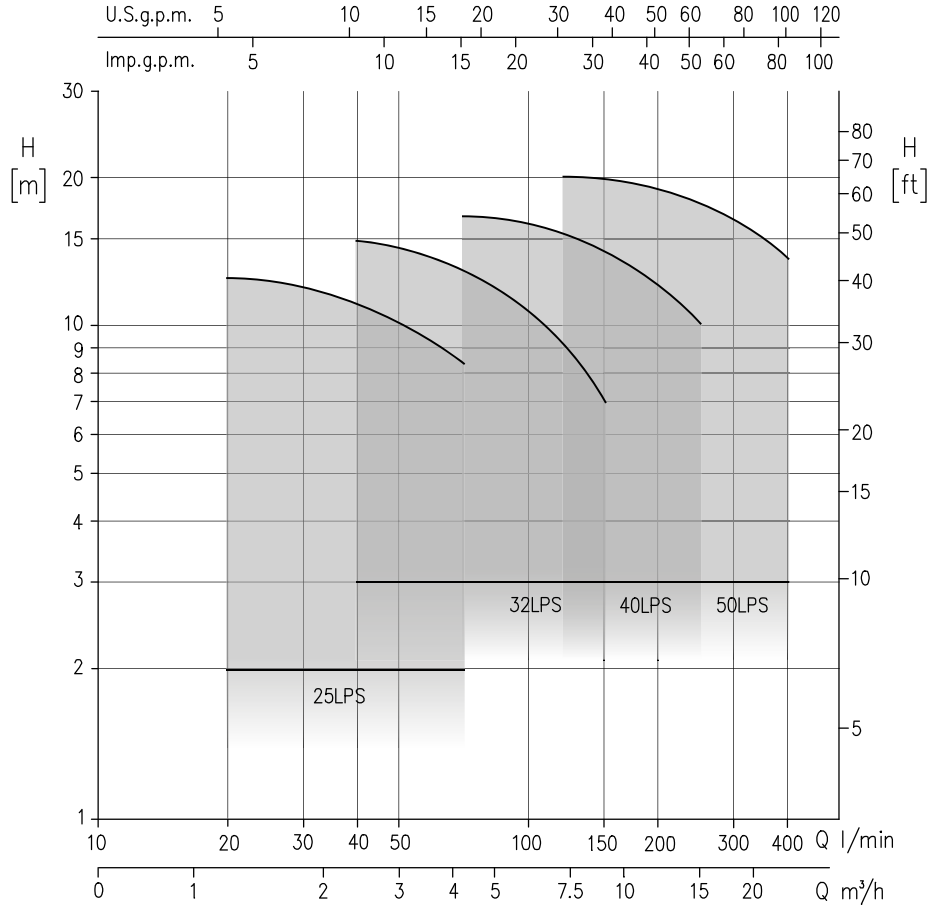
### Counterflanges kit

Page 388 - Galvanized and AISI 304 counterflanges kit

# LPS



## In-line centrifugal pumps in AISI 304 stainless steel



### Single phase 230V

**2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA DNM	Weight [kg]	
					l/min	20	40	70	100	120	150				200
					m³/h	1,2	2,4	4,2	6	7,2	9				12
H=Total head [m]															
LPS 25/08M	1962010000	<b>764,00</b>	0,1	0,08	6,5	5,0	2,4	-	-	-	-	1,51	25	10,0	
LPS 25/15M	1962020000	<b>766,00</b>	0,2	0,15	9,3	7,8	4,9	-	-	-	-	1,67	25	10,0	
LPS 25/25M	1962030000	<b>771,00</b>	0,33	0,25	12,5	11,1	8,4	-	-	-	-	2,04	25	10,1	
LPS 32/25M	1963030000	<b>757,00</b>	0,33	0,25	-	10,7	9,1	7,2	5,9	3,9	-	2	32	10,8	
LPS 40/25M	1964030000	<b>762,00</b>	0,33	0,25	-	-	7,8	7,1	6,6	5,6	3,7	1,98	40	11,0	

Prices include galvanized steel threaded flanges with related gaskets and bolts.

### Three phase 230/400V

**2 Poles**

Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A]		DNA DNM	Weight [kg]	
					l/min	20	40	70	100	120	150	200	230V			400V
					m³/h	1,2	2,4	4,2	6	7,2	9	12				
H=Total head [m]																
LPS 25/08	1962010004	<b>757,00</b>	0,1	0,08	6,5	5,0	2,4	-	-	-	-	1,7	1,01	25	10,0	
LPS 25/15	1962020004	<b>759,00</b>	0,2	0,15	9,3	7,8	4,9	-	-	-	-	1,8	1,03	25	10,0	
LPS 25/25	1962030004	<b>762,00</b>	0,33	0,25	12,5	11,1	8,4	-	-	-	-	1,9	1,11	25	10,1	
LPS 32/25	1963030004	<b>747,00</b>	0,33	0,25	-	10,7	9,1	7,2	5,9	3,9	-	1,8	1,03	32	10,8	
LPS 40/25	1964030004	<b>755,00</b>	0,33	0,25	-	-	7,8	7,1	6,6	5,6	3,7	1,9	1,09	40	11,0	

Prices include galvanized steel threaded flanges with related gaskets and bolts.

# LPC - LPCD



## In-line single and twin centrifugal pumps in cast iron

In-line centrifugal pumps with cast iron hydraulic parts. Versatile, quiet and particularly suitable for handling liquids in residential, commercial and industrial heating, air-conditioning and circulation systems. Used for handling hot sanitary water, low pressure liquids in general and in cooling and air-conditioning systems



Sturdy hydraulic frame



Low noise

## Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420
Mechanical seal	Carbon/SiC/EPDM
Motor support	Cast iron

## Technical data

Max. pressure	6 bar for LPC 32-100/40-100 10 bar for the rest of the range
Liquid temperature	-10°C ÷ +50°C for LPC 32-100 -10°C ÷ +110°C
Poles	2 and 4
MEI	> 0,4
Insulation class:	F
Protection degree:	IP55
Voltage	Three phase 230/400V ±10% up to 4 kW Three phase 400V/690V ±10% from 5,5 kW and above

## Accessories



### Counterflanges kit

Page 388 - Galvanized counterflanges kit



### Blind flanges

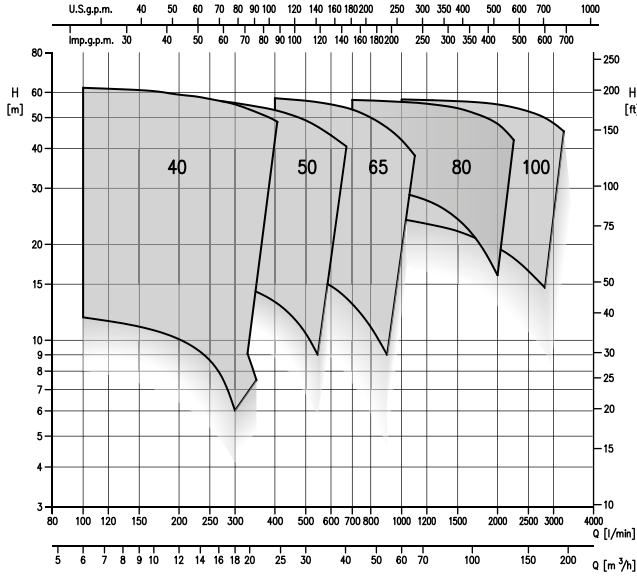
Page 388 - Blind flange for LPCD

# LPC(4) - LPCD(4)

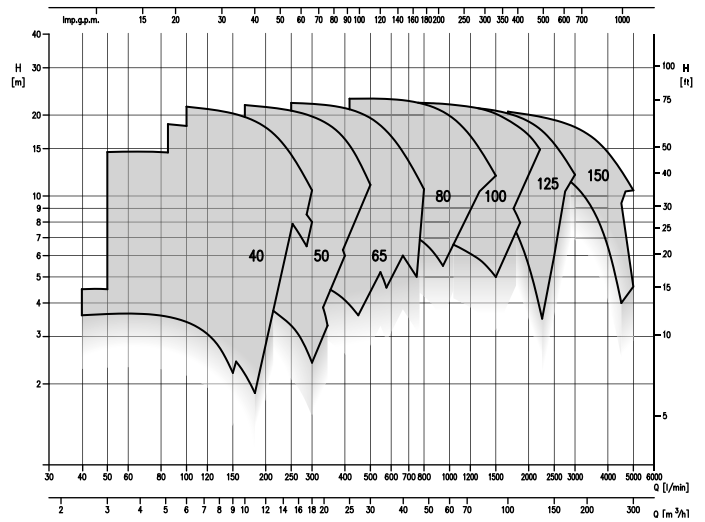
In-line single and twin centrifugal pumps in cast iron



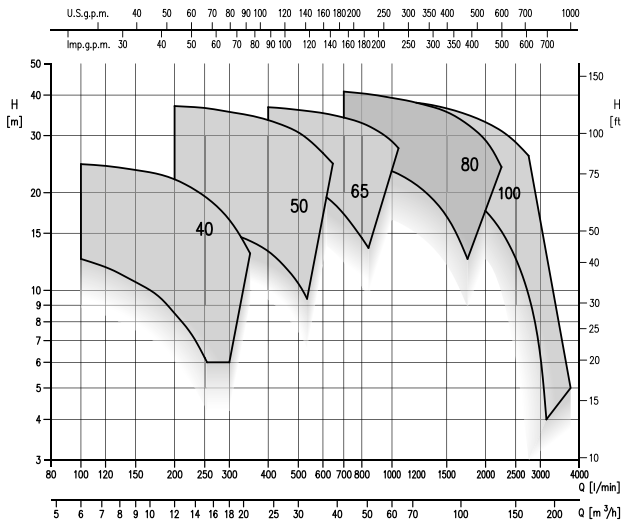
## LPC 2 Poles



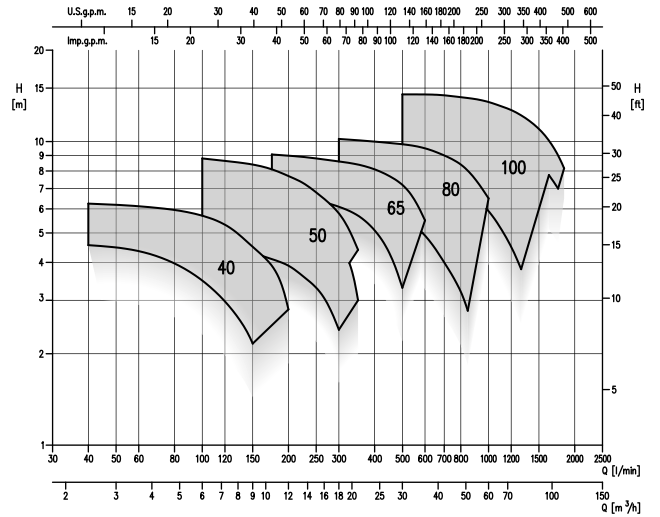
## LPC 4 Poles



## LPCD 2 Poles



## LPCD 4 Poles







# LPC



## In-line single centrifugal pumps in cast iron

### Selection table

Model	HP	kW	Q=Flow rate														
			I/min	50	100	125	150	175	200	225	250	300	350	400	450	500	600
			m3/h	3	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]														
LPC 32-100/0,37	0,5	0,37		10,7	10,0	9,3	8,4	7,3	6,0	-	-	-	-	-	-	-	-
LPC 40-100/0,55	0,75	0,55		-	11,7	11,4	11,0	10,5	9,9	8,5	8,5	7,0	-	-	-	-	-
LPC/I 40-100/0,75	1	0,75		-	13,5	13,3	13,0	12,5	12,0	10,7	10,7	9,0	7,0	-	-	-	-
LPC/I 40-125/0,75	1	0,75		-	15,3	14,5	13,7	12,8	11,5	9,0	9,0	6,0	-	-	-	-	-
LPC/I 40-125/1,1	1,5	1,1		-	20,5	19,7	19,0	18,1	17,1	14,5	14,5	11,2	7,5	-	-	-	-
LPC/I 40-125/1,5	2	1,5		-	24,5	24,1	23,5	22,9	22,0	19,5	19,5	16,5	13	-	-	-	-
LPC/I 40-160/2,2	3	2,2		-	28,5	28,0	27,4	26,5	25,5	23,1	23,1	20,0	15,0	-	-	-	-
LPC/I 40-160/3 R	4	3		-	33,5	33,0	32,5	32,0	31,0	29,0	29,0	26,0	22,5	-	-	-	-
LPC/I 40-160/3	4	3		-	38,0	37,5	36,8	35,8	35,0	32,5	32,5	30	26,5	-	-	-	-
LPC/I 40-200/4	5,5	4		-	47,0	46,5	46,0	45,0	44,0	42,0	42,0	39,2	36,1	33,0	-	-	-
LPC/I 40-200/5,5	7,5	5,5		-	55,0	54,5	54,0	53,5	53,0	51,0	51,0	48,5	46,0	42,5	-	-	-
LPC/I 40-200/7,5	10	7,5		-	62,0	61,5	61,0	60,0	59,0	57,0	57,0	55,0	52,0	49,0	45,0	40,0	-
LPC/I 50-125/1,5	2	1,5		-	-	-	-	-	16,0	15,5	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPC/I 50-125/2,2	3	2,2		-	-	-	-	-	19,5	19,1	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPC/I 50-125/3	4	3		-	-	-	-	-	24,7	24,5	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPC/I 50-160/3	4	3		-	-	-	-	-	30,5	29,9	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPC/I 50-160/4	5,5	4		-	-	-	-	-	37,0	36,5	36,5	35,5	34,6	33,5	32,2	30,7	26,5
LPC/I 50-200/5,5	7,5	5,5		-	-	-	-	-	46,0	45,0	45,0	44,0	43,0	41,0	39,2	37,0	31,0
LPC/I 50-200/7,5 R	10	7,5		-	-	-	-	-	51,0	51,0	51,0	50,0	48,5	47,0	45,0	42,5	37,0
LPC/I 50-200/7,5	10	7,5		-	-	-	-	-	57,5	57,0	57,0	55,5	54,0	53,0	51,0	49,0	44,0

### Selection table

Model	HP	kW	Q=Flow rate																				
			I/min	350	400	450	500	600	700	800	900	1000	1100	1216	1250	1500	1750	2000	2250	2500	2750	3000	3500
			m3/h	21	24	27	30	36	42	48	54	60	66	73	75	90	105	120	135	150	165	180	210
			H=Total head [m]																				
LPC/I 65-125/2,2	3	2,2		17,5	17,0	16,5	16,0	14,8	13	11,0	9,0	-	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-125/3	4	3		-	21,0	20,6	20,1	19,0	17,6	16,0	14,0	12,0	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-125/4	5,5	4		-	25,5	25,2	24,8	24,0	22,9	21,5	19,6	17,5	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-160/5,5	7,5	5,5		-	32,3	32	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	26,0	23,0	-	-	-	-	-	-	-	-	-
LPC/I 65-200/11	15	11		-	51,0	50,0	49,0	48,0	45,5	43,0	39,7	36,0	31,5	27,0	-	-	-	-	-	-	-	-	-
LPC/I 65-200/15	20	15		-	57,5	57,0	56,5	55,0	53,0	50,0	46,5	42,5	38,0	33,8	-	-	-	-	-	-	-	-	-
LPC/I 80-160/11	13,6	10		-	-	-	-	-	30,5	30,0	29,5	29,0	28,3	27,5	27,0	24,0	20,2	16,0	-	-	-	-	-
LPC/I 80-160/15 R	17	12,5		-	-	-	-	-	36,0	35,5	35,0	34,5	34,0	33,0	32,8	30,0	27,0	23,0	19,0	-	-	-	-
LPC/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	38,6	37,8	37,5	35,5	32,5	29,0	24,0	-	-	-	-
LPC/I 80-200/15	20	15		-	-	-	-	-	44,0	44,0	43,5	43,0	42,5	41,8	41,5	39,0	35,5	31,5	-	-	-	-	-
LPC/I 80-200/18,5	25	18,5		-	-	-	-	-	50,5	50,0	50,0	49,5	49,0	48,8	48,5	46,5	43,0	39,5	35,0	-	-	-	-
LPC/I 80-200/22	30	22		-	-	-	-	-	57,0	56,5	56,5	56,0	55,5	55,2	55	53,5	51,0	48,0	42,5	-	-	-	-
LPC/I 100-160/11	13,6	10		-	-	-	-	-	-	-	-	23,5	23,6	23,2	23,0	22,0	20,7	19,5	18,1	16,5	14,0	-	-
LPC/I 100-160/15 R	17	12,5		-	-	-	-	-	-	-	-	28,5	28,2	28,0	27,9	27,0	25,8	24,5	23,0	21,5	20,0	18,0	-
LPC/I 100-160/15	20	15		-	-	-	-	-	-	-	-	34,0	33,8	33,5	33,3	32,5	31,7	30,5	29,2	27,6	26,0	24,5	-
LPC/I 100-200/18,5	25	18,5		-	-	-	-	-	-	-	-	42,0	41,5	41,2	41,0	40,0	38,6	37,0	35,0	33,0	30,5	28,0	-
LPC/I 100-200/22	30	22		-	-	-	-	-	-	-	-	47,0	46,5	46,6	46,7	45,5	44,5	43,0	41,0	39,0	36,7	34,0	-
LPC/I 100-200/30	40	30		-	-	-	-	-	-	-	-	-	-	-	54,0	53,0	52,0	50,5	49,0	47,0	45,0	42,5	37,0
LPC/I 100-200/37	50	37		-	-	-	-	-	-	-	-	-	-	-	56,5	56,5	56,0	55,0	54,0	52,5	50,5	48,0	42,0
LPC/I 100-250/37	50	37		-	-	-	-	-	-	-	-	-	-	-	67,5	67,0	66,0	65,0	63,5	61,0	58,0	55,0	47,0

Circulators In-line

# LPC



## In-line single centrifugal pumps in cast iron

Three phase 230/400/690V										2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]			DNA DNM	Interaxle spacing [mm]	Weight [kg]
					230V	400V	690V			
LPC 32-100/0,37	2060020004	<b>1.015,00</b>	0,5	0,37	2,1	1,2	-	32	220	12,0
LPC 40-100/0,55	2061030004	<b>1.040,00</b>	0,75	0,55	2,6	1,5	-	40	240	16,0
LPC/I 40-100/0,75	2061050004I	<b>1.074,00</b>	1	0,75	2,8	1,6	-	40	240	18,0
LPC/I 40-125/0,75	2061050104I	<b>1.145,00</b>	1	0,75	2,8	1,6	-	40	300	26,0
LPC/I 40-125/1,1	2061070004I	<b>1.313,00</b>	1,5	1,1	4	2,3	-	40	300	27,0
LPC/I 40-125/1,5	2061080004I	<b>2.125,00</b>	2	1,5	5,7	3,3	-	40	300	29,0
LPC/I 40-160/2,2	2061100004I	<b>1.445,00</b>	3	2,2	8	4,6	-	40	320	31,0
LPC/I 40-160/3 R	2061110004I	<b>1.564,00</b>	4	3	9,7	5,6	-	40	320	40,0
LPC/I 40-160/3	2061120004I	<b>1.683,00</b>	4	3	9,7	5,6	-	40	320	42,0
LPC/I 40-200/4	2061120104I	<b>1.850,00</b>	5,5	4	13,9	8,2	-	40	380	50,0
LPC/I 40-200/5,5	2061130004I	<b>2.209,00</b>	7,5	5,5	-	10,2	5,9	40	380	57,0
LPC/I 40-200/7,5	2061220004I	<b>2.298,00</b>	10	7,5	-	14,4	8,3	40	380	60,0
LPC/I 50-125/1,5	2062080004I	<b>1.373,00</b>	2	1,5	5,7	3,3	-	50	320	28,0
LPC/I 50-125/2,2	2062100004I	<b>1.421,00</b>	3	2,2	8	4,6	-	50	320	30,0
LPC/I 50-125/3	2062110004I	<b>1.564,00</b>	4	3	9,7	5,6	-	50	320	37,0
LPC/I 50-160/3	2062110104I	<b>1.659,00</b>	4	3	9,7	5,6	-	50	340	37,0
LPC/I 50-160/4	2062120004I	<b>1.802,00</b>	5,5	4	13,9	8,2	-	50	340	42,0
LPC/I 50-200/5,5	2062130004I	<b>2.209,00</b>	7,5	5,5	-	10,2	5,9	50	400	58,0
LPC/I 50-200/7,5 R	2062220004I	<b>2.298,00</b>	10	7,5	-	14,4	8,3	50	400	61,0
LPC/I 50-200/7,5	2062140004I	<b>2.298,00</b>	10	7,5	-	14,4	8,3	50	400	61,0
LPC/I 65-125/2,2	2063100004I	<b>1.445,00</b>	3	2,2	8	4,6	-	65	360	36,0
LPC/I 65-125/3	2063110004I	<b>1.659,00</b>	4	3	9,7	5,6	-	65	360	43,0
LPC/I 65-125/4	2063120004I	<b>1.850,00</b>	5,5	4	13,9	8,2	-	65	360	44,0
LPC/I 65-160/5,5	2063130004I	<b>2.256,00</b>	7,5	5,5	-	10,2	5,9	65	400	56,0
LPC/I 65-160/7,5	2063140004I	<b>2.411,00</b>	10	7,5	-	14,4	8,3	65	400	58,0
LPC/I 65-200/11	2063230004I	<b>2.868,00</b>	15	11	-	19,9	11,5	65	440	83,0
LPC/I 65-200/15	2063240004I	<b>4.269,00</b>	20	15	-	26,8	15,5	65	440	86,0
LPC/I 80-160/11	2064230004I	<b>3.028,00</b>	15	11	-	19,9	11,5	80	440	85,0
LPC/I 80-160/15 R	2064240004I	<b>3.461,00</b>	20	15	-	26,8	15,5	80	440	86,0
LPC/I 80-160/15	2064170004I	<b>3.599,00</b>	20	15	-	26,8	15,5	80	440	86,0
LPC/I 80-200/15	2064170104I	<b>3.708,00</b>	20	15	-	26,8	15,5	80	500	92,0
LPC/I 80-200/18,5	2064180004I	<b>5.944,00</b>	25	18,5	-	33	19	80	500	129,0
LPC/I 80-200/22	2064190004I	<b>6.713,00</b>	30	22	-	39,4	22,5	80	500	139,0
LPC/I 100-160/11	2065230004I	<b>3.128,00</b>	15	11	-	19,9	11,5	100	525	89,0
LPC/I 100-160/15 R	2065240004I	<b>3.748,00</b>	20	15	-	26,8	15,5	100	525	92,0
LPC/I 100-160/15	2065170004I	<b>3.836,00</b>	20	15	-	26,8	15,5	100	525	93,0
LPC/I 100-200/18,5	2065180004I	<b>6.279,00</b>	25	18,5	-	33	19	100	550	140,0
LPC/I 100-200/22	2065190004I	<b>6.999,00</b>	30	22	-	39,4	22,7	100	550	150,0
LPC/I 100-200/30	2065200004I	<b>8.825,00</b>	40	30	-	52,1	30	100	550	287,0
LPC/I 100-200/37	2065250004I	<b>10.370,00</b>	50	37	-	62,6	36	100	550	320,0
LPC/I 100-250/37	2065250104I	<b>11.172,00</b>	50	37	-	62,6	36	100	600	327,0



# LPC4



In-line single centrifugal pumps in cast iron

Selection table																						
Model	HP	kW	Q=Flow rate																			
			l/min	30	40	50	75	85	100	125	150	167	175	200	225	250	300	350	400	417	450	500
			m³/h	1,8	2,4	3	4,5	5,1	6	7,5	9	10	10,5	12	13,5	15	18	21	24	25	27	30
H=Total head [m]																						
LPC4 32-100/0,25	0,33	0,25		3,3	3,2	3,1	2,7	2,5	2,1	1,2	-	-	-	-	-	-	-	-	-	-	-	
LPC4 40-100/0,25	0,33	0,25		-	3,6	3,6	3,5	3,4	3,3	2,9	2,5	2,2	2,0	1,5	-	-	-	-	-	-	-	
LPC4 40-125/0,25 R	0,33	0,25		-	4,5	4,4	4,1	3,9	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-	
LPC4 40-125/0,25	0,33	0,25		-	-	6,2	6,0	5,9	5,7	5,2	4,5	4,1	3,9	2,8	-	-	-	-	-	-	-	
LPC4 40-160/0,37	0,55	0,37		-	-	9,4	9,2	9,1	8,9	8,4	7,7	7,4	6,9	5,8	4,7	-	-	-	-	-	-	
LPC4/I 40-200/0,75	1	0,75		-	-	-	12,8	12,6	12,4	11,9	11,3	11,0	10,6	9,8	9,0	8,0	6,0	-	-	-	-	
LPC4/I 40-200/1,1	1,5	1,1		-	-	-	14,6	14,5	14,3	13,8	13,3	13,0	12,7	11,8	10,9	10,0	8,0	-	-	-	-	
LPC4/I 40-250/1,1	1,5	1,1		-	-	-	-	18,5	18,0	17,5	17	16,3	16	14,5	13,0	11,0	-	-	-	-	-	
LPC4/I 40-250/1,5	2	1,5		-	-	-	-	-	21,5	21	20,5	19,7	19,5	18	16,5	15	-	-	-	-	-	
LPC4 50-125/0,25	0,3	0,25		-	-	-	-	-	4,6	4,5	4,3	4,2	4,1	3,9	3,6	3,3	2,4	-	-	-	-	
LPC4 50-125/0,37	0,55	0,37		-	-	-	-	-	6,3	6,2	6,1	6,0	6,0	5,8	5,6	5,3	4,6	3	-	-	-	
LPC4 50-160/0,55	0,75	0,55		-	-	-	-	-	8,8	8,6	8,4	8,2	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	
LPC4/I 50-200/1,1 R	1,5	1,1		-	-	-	-	-	12,7	12,5	12,1	12	11,7	11,2	10,7	10,1	8,5	6,8	-	-	-	
LPC4/I 50-200/1,1	1,5	1,1		-	-	-	-	-	14,2	14	13,8	13,7	13,4	13,0	12,5	11,8	10,2	8,3	6,0	-	-	
LPC4/I 50-250/1,5	2	1,5		-	-	-	-	-	-	-	-	17,5	17,4	17,0	16,6	16,2	15,0	13,7	12,0	11,0	10,0	
LPC4/I 50-250/2,2	3	2,2		-	-	-	-	-	-	-	-	21,8	21,7	21,4	21,0	20,5	19,5	18,5	17,0	15,4	14,0	

Selection table																									
Model	HP	kW	Q=Flow rate																						
			l/min	150	167	175	200	225	250	300	350	400	417	450	500	600	700	750	800	900	1000	1100	1200	1300	1500
			m³/h	9	10	10,5	12	13,5	15	18	21	24	25	27	30	36	42	45	48	54	60	66	72	78	90
H=Total head [m]																									
LPC4 65-125/0,37	0,55	0,37		5,3	5,3	5,3	5,2	5,1	5,0	4,8	4,5	4,1	3,7	3,6	3,0	-	-	-	-	-	-				
LPC4 65-125/0,55	0,75	0,55		6,4	6,4	6,3	6,2	6,1	6,0	5,8	5,5	5,2	5,1	4,9	4,4	-	-	-	-	-	-				
LPC4/I 65-160/0,75	1	0,75		-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,8	6,6	6,0	4,0	-	-	-	-	-				
LPC4/I 65-160/1,1	1,5	1,1		-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,9	7,7	7,2	5,5	-	-	-	-	-				
LPC4/I 65-200/1,1	1,5	1,1		-	-	-	12,3	12,2	12	11,5	10,8	10,0	9,4	9,0	8,0	5,8	-	-	-	-	-				
LPC4/I 65-200/1,5	2	1,5		-	-	-	14,1	14,1	14,4	13,6	13,0	12,1	11,9	11,2	10,1	7,8	5,0	-	-	-	-				
LPC4/I 65-250/2,2	3	2,2		-	-	-	-	18,0	17,5	17,0	16,0	15,8	15,0	14,0	11,8	9,5	8,5	-	-	-	-				
LPC4/I 65-250/3	4	3		-	-	-	-	22,3	22	21,5	21,0	20,8	20,2	19,4	17,3	14,0	12,5	10,6	-	-	-				
LPC4/I 80-160/0,75	1	0,75		-	-	-	-	-	6,3	6,1	6,0	5,9	5,8	5,6	4,9	4,0	3,6	-	-	-	-				
LPC4/I 80-160/1,1 R	1,5	1,1		-	-	-	-	-	7,3	7,2	7,1	7,1	7,0	6,8	6,3	5,6	5,3	4,8	3,8	-	-				
LPC4/I 80-160/1,1	1,5	1,1		-	-	-	-	-	8,5	8,5	8,4	8,4	8,3	8,2	7,9	7,3	7,1	6,7	5,9	5,0	-				
LPC4/I 80-160/1,5	2	1,5		-	-	-	-	-	10,2	10,1	10,0	10,0	9,9	9,8	9,5	9,0	8,8	8,4	7,5	6,5	-				
LPC4/I 80-200/2,2	3	2,2		-	-	-	-	-	-	-	12,5	12,5	12,4	12,3	12,1	11,7	11,2	11,1	10,4	9,6	8,5				
LPC4/I 80-200/3	4	3		-	-	-	-	-	-	-	15,3	15,3	15,2	15,1	15,0	14,6	14,2	14,2	13,6	12,8	11,9				
LPC4/I 80-250/4	5,5	4		-	-	-	-	-	-	19,9	19,8	19,8	19,7	19,5	19,0	18,4	18,0	17,5	16,5	15,2	13,8				
LPC4/I 80-250/5,5	7,5	5,5		-	-	-	-	-	-	-	-	23,0	22,9	22,8	22,5	22,0	21,8	21,5	20,6	19,7	18,7				

Circulators In-line

# LPC4



In-line single centrifugal pumps in cast iron

Selection table																										
Model	HP	kW	Q=Flow rate																							
			l/min	600	667	700	800	833	900	1000	1100	1200	1250	1500	1667	1750	2000	2250	2500	2750	3000	3500	4500	4667	5000	
			m <sup>3</sup> /h	36	40	42	48	50	54	60	66	72	75	90	100	105	120	135	150	165	180	210	270	280	300	
H=Total head [m]																										
LPC4/I 100-160/1,5	2	1,5		7,7	7,6	7,5	7,2	7,1	7,0	6,7	6,4	6,1	6,0	5,0	-	-	-	-	-	-	-	-	-	-	-	-
LPC4/I 100-160/2,2	3	2,2		9,7	9,6	9,5	9,4	9,3	9,1	8,8	8,5	8,2	8,0	7,1	6,3	6,0	-	-	-	-	-	-	-	-	-	-
LPC4/I 100-200/3	4	3		12,0	11,9	11,8	11,5	11,4	11,3	10,9	10,5	10,0	9,6	8,5	7,5	7,0	-	-	-	-	-	-	-	-	-	-
LPC4/I 100-200/4	5,5	4		14,4	14,3	14,2	14,0	13,9	13,8	13,4	13,1	12,7	12,4	11,0	9,7	9,0	6,5	-	-	-	-	-	-	-	-	-
LPC4/I 100-250/5,5	7,5	5,5		-	-	-	19,2	19,0	18,9	18,5	18,1	17,7	17,5	16,0	14,9	14,5	12,0	-	-	-	-	-	-	-	-	-
LPC4/I 100-250/7,5	10	7,5		-	-	-	22,3	22,2	22,1	21,9	21,7	21,3	21,1	20,0	19,0	18,5	16,8	14,5	-	-	-	-	-	-	-	-
LPC4/I 125-250/5,5	7,5	5,5		-	12,7	12,6	12,4	12,3	12,2	11,9	11,8	11,0	10,9	9,6	8,6	8,0	6,0	3,5	-	-	-	-	-	-	-	-
LPC4/I 125-250/5,5	7,5	5,5		-	-	-	-	15,6	15,5	15,2	15,0	14,6	14,4	12,4	12,3	12,0	10,0	8,0	6,0	-	-	-	-	-	-	-
LPC4/I 125-250/7,5	10	7,5		-	-	-	-	19,5	19,4	19,2	19,0	18,8	17,7	18,0	17,5	17,0	15,7	14,0	12,5	10,5	-	-	-	-	-	-
LPC4/I 125-250/11	15	11		-	-	-	-	-	-	21,6	21,4	21,3	21,2	20,8	20,3	20,0	19,0	17,8	16,2	14,2	12,0	-	-	-	-	-
LPC4/I 150-250/7,5	10	7,5		-	-	-	-	-	-	-	-	-	15,0	14,7	14,4	14,3	13,8	13,3	12,6	11,8	11,0	9,0	4,0	-	-	-
LPC4/I 150-250/11 R	15	11		-	-	-	-	-	-	-	-	-	-	-	16,6	16,5	16,0	15,5	15,0	14,2	13,5	11,8	7,4	6,8	4,6	-
LPC4/I 150-250/11	15	11		-	-	-	-	-	-	-	-	-	-	18,9	18,5	18,2	18,0	17,7	17,2	16,7	16,2	15,3	13,6	9,4	-	-
LPC4/I 150-250/15 R	20	15		-	-	-	-	-	-	-	-	-	-	20,5	20,1	19,9	19,8	19,5	19,0	18,6	18,0	17,4	15,7	11,9	10,5	-
LPC4/I 150-250/15	20	15		-	-	-	-	-	-	-	-	-	-	-	-	20,8	20,7	20,5	19,8	19,5	19,0	18,5	17,0	13,0	11,8	10,5

# LPC4



In-line single centrifugal pumps in cast iron

Three phase 230/400/690V										4 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr.			DNA DNM	Interaxle spacing [mm]	Weight [kg]
					230V	400V	690V			
LPC4 32-100/0,25	2060010404	<b>1.015,00</b>	0,33	0,25	1,6	0,9	-	32	220	12,0
LPC4 40-100/0,25	2061010404	<b>1.063,00</b>	0,33	0,25	1,6	0,9	-	40	260	16,0
LPC4 40-125/0,25 R	2069010404	<b>1.099,00</b>	0,33	0,25	1,6	0,9	-	40	300	20,0
LPC4 40-125/0,25	2061010504	<b>1.145,00</b>	0,33	0,25	1,6	0,9	-	40	300	20,0
LPC4 40-160/0,37	2061020404	<b>1.220,00</b>	0,5	0,37	2,1	1,2	-	40	320	23,0
LPC4/I 40-200/0,75	2061050404I	<b>1.469,00</b>	1	0,75	3	1,7	-	40	380	32,0
LPC4/I 40-200/1,1	2061060404I	<b>1.850,00</b>	1,5	1,1	4,2	2,4	-	40	380	37,0
LPC4/I 40-250/1,1	2061100404I	<b>1.945,00</b>	1,5	1,1	4,2	2,4	-	40	440	55,0
LPC4/I 40-250/1,5	2061110404I	<b>2.101,00</b>	2	1,5	5,6	3,2	-	40	440	52,0
LPC4 50-125/0,25	2062010404	<b>1.145,00</b>	0,33	0,25	1,6	0,9	-	50	320	21,0
LPC4 50-125/0,37	2062020404	<b>1.159,00</b>	0,5	0,37	2,1	1,2	-	50	320	22,0
LPC4 50-160/0,55	2062030404	<b>1.266,00</b>	0,77	0,55	2,8	1,6	-	50	340	25,0
LPC4/I 50-200/1,1 R	2069070404I	<b>1.648,00</b>	1,5	1,1	4,2	2,4	-	50	400	40,0
LPC4/I 50-200/1,1	2062070404I	<b>1.718,00</b>	1,5	1,1	4,2	2,4	-	50	400	40,0
LPC4/I 50-250/1,5	2069100404I	<b>1.970,00</b>	2	1,5	5,6	3,2	-	50	440	53,0
LPC4/I 50-250/2,2	2069110404I	<b>2.042,00</b>	3	2,2	10,2	5,9	-	50	440	57,0
LPC4 65-125/0,37	2063020404	<b>1.253,00</b>	0,5	0,37	2,1	1,2	-	65	360	25,0
LPC4 65-125/0,55	2063030404	<b>1.302,00</b>	0,77	0,55	2,8	1,6	-	65	360	26,0
LPC4/I 65-160/0,75	2063050404I	<b>1.456,00</b>	1	0,75	3	1,7	-	65	400	34,0
LPC4/I 65-160/1,1	2063060404I	<b>1.540,00</b>	1,5	1,1	4,2	2,4	-	65	400	39,0
LPC4/I 65-200/1,1	2063070404I	<b>1.717,00</b>	1,5	1,1	4,2	2,4	-	65	440	42,0
LPC4/I 65-200/1,5	2063080404I	<b>1.801,00</b>	2	1,5	5,6	3,2	-	65	440	41,0
LPC4/I 65-250/2,2	2063110404I	<b>2.184,00</b>	3	2,2	10,2	5,9	-	65	475	67,0
LPC4/I 65-250/3	2063120404I	<b>2.411,00</b>	4	3	11,8	6,8	-	65	475	68,0
LPC4/I 80-160/0,75	2064050404I	<b>1.612,00</b>	1	0,75	2,8	1,6	-	80	440	51,0
LPC4/I 80-160/1,1 R	2064060404I	<b>1.671,00</b>	1,5	1,1	4,2	2,4	-	80	440	57,0
LPC4/I 80-160/1,1	2064070404I	<b>1.718,00</b>	1,5	1,1	4,2	2,4	-	80	440	42,0
LPC4/I 80-160/1,5	2064080404I	<b>1.802,00</b>	1,5	1,1	4,2	2,4	-	80	440	41,0
LPC4/I 80-200/2,2	2064100404I	<b>2.161,00</b>	3	2,2	10,2	5,9	-	80	500	52,0
LPC4/I 80-200/3	2064110404I	<b>2.602,00</b>	4	3	11,8	6,8	-	80	500	59,0
LPC4/I 80-250/4	2064130404I	<b>3.127,00</b>	5,5	4	14,2	8,2	-	80	530	89,0
LPC4/I 80-250/5,5	2064140404I	<b>3.127,00</b>	7,5	5,5	-	10,6	6,1	80	530	112,0
LPC4/I 100-160/1,5	2065080404I	<b>2.209,00</b>	2	1,5	5,6	3,2	-	100	525	46,0
LPC4/I 100-160/2,2	2065100404I	<b>2.171,00</b>	3	2,2	8,3	5,9	-	100	525	51,0
LPC4/I 100-200/3	2065110404I	<b>2.447,00</b>	4	3	11,8	6,8	-	100	550	68,0
LPC4/I 100-200/4	2065120404I	<b>3.008,00</b>	5,5	4	14,2	8,2	-	100	550	78,0
LPC4/I 100-250/5,5	2065130404I	<b>3.842,00</b>	7,5	5,5	-	10,6	6,1	100	600	114,0
LPC4/I 100-250/7,5	2065140404I	<b>4.208,00</b>	10	7,5	-	15,3	8,8	100	600	119,0
LPC4/I 125-250/5,5	2067120404I	<b>4.582,00</b>	7,5	5,5	-	10,6	6,1	125	620	150,0
LPC4/I 125-250/5,5	2067130404I	<b>4.582,00</b>	7,5	5,5	-	10,6	6,1	125	620	150,0
LPC4/I 125-250/7,5	2067140404I	<b>6.194,00</b>	10	7,5	-	15,3	8,8	125	620	148,0
LPC4/I 125-250/11	2067150404I	<b>6.328,00</b>	15	11	-	22,4	12,9	125	620	188,0
LPC4/I 150-250/7,5	2068140404I	<b>6.437,00</b>	10	7,5	-	15,3	8,8	150	700	167,0
LPC4/I 150-250/11 R	2068150404I	<b>6.713,00</b>	15	11	-	22,4	12,9	150	700	208,0
LPC4/I 150-250/11	2068160404I	<b>6.825,00</b>	15	11	-	22,4	12,9	150	700	208,0
LPC4/I 150-250/15 R	2068170404I	<b>7.757,00</b>	20	15	-	30,5	17,6	150	700	227,0
LPC4/I 150-250/15	2068180404I	<b>7.757,00</b>	20	15	-	30,5	17,6	150	700	227,0

# LPCD



## In-line twin centrifugal pumps in cast iron

Selection table																
Model	HP	kW	Q=Flow rate													
			l/min m3/h	100 6	125 7,5	150 9	175 10,5	200 12	225 13,5	250 15	300 18	350 21	400 24	450 27	500 30	600 36
H=Total head [m]																
LPCD/I 40-125/0,75 R	1	0,75		12,5	11,6	10,6	9,7	8,5	7,4	5,5	-	-	-	-	-	-
LPCD/I 40-125/0,75	1	0,75		15,3	14,5	13,7	12,8	11,5	10,4	9,0	6,0	-	-	-	-	-
LPCD/I 40-125/1,1	1,5	1,1		20,5	19,7	19,0	18,1	17,1	15,9	14,5	11,2	7,5	-	-	-	-
LPCD/I 40-125/1,5	2	1,5		24,5	24,1	23,5	22,9	22,0	20,8	19,5	16,5	13,0	-	-	-	-
LPCD/I 50-125/1,5	2	1,5		-	-	-	-	16,0	15,7	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPCD/I 50-125/2,2	3	2,2		-	-	-	-	19,5	19,3	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPCD/I 50-125/3	4	3		-	-	-	-	24,7	24,6	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPCD/I 50-160/3	4	3		-	-	-	-	30,5	30,2	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPCD/I 50-160/4	5,5	4		-	-	-	-	37,0	36,8	36,5	35,5	34,6	33,5	32,2	30,7	26,5

Selection table																						
Model	HP	kW	Q=Flow rate																			
			l/min m3/h	350 21	400 24	450 27	500 30	600 36	700 42	800 48	900 54	1000 60	1250 75	1500 90	1750 105	2000 120	2250 135	2750 165	3000 180	3166 190	3500 210	3667 220
H=Total head [m]																						
LPCD/I 65-160/3	4	3		23,0	22,5	22,0	21,3	19,7	17,2	14,5	-	-	-	-	-	-	-	-	-	-	-	
LPCD/I 65-160/4	5,5	4		27,0	26,6	26,0	25,5	24,2	22,5	20,2	17,6	-	-	-	-	-	-	-	-	-	-	
LPCD/I 65-160/5,5	7,5	5,5		-	32,3	32,0	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	-	
LPCD/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	-	-	-	-	-	-	-	-	-	
LPCD/I 80-160/7,5	10	7,5		-	-	-	-	25,5	25,2	24,7	24,0	23,3	20,5	16,9	12,5	-	-	-	-	-	-	
LPCD/I 80-160/11	15	11		-	-	-	-	-	30,5	30,0	29,5	29,0	27,0	24,0	20,2	16,0	-	-	-	-	-	
LPCD/I 80-160/15 R	20	15		-	-	-	-	-	36,0	35,5	35	34,5	32,8	30,0	27,0	23,0	19,0	-	-	-	-	
LPCD/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	37,5	35,5	32,5	29,0	24,0	-	-	-	-	
LPCD/I 100-200/11	15	11		-	-	-	-	-	-	-	-	24,5	23,5	22,0	20,5	18,5	16,0	10,5	7,0	4,0	-	
LPCD/I 100-200/15 R	20	15		-	-	-	-	-	-	-	-	28,0	27,0	26,0	24,5	23,2	20,5	15,5	12,5	11,0	7,0	5,0
LPCD/I 100-200/15	20	15		-	-	-	-	-	-	-	-	38,5	37,5	36,5	35,0	33,0	31,0	26,0	-	-	-	-

# LPCD



In-line twin centrifugal pumps in cast iron

Three phase 230/400/690V										2 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr.			DNA DNM	Interaxle spacing [mm]	Weight [kg]
					230V	400V	690V			
LPCD/I 40-125/0,75 R	2070030004I	<b>2.209,00</b>	1	0,75	2,8	1,6	-	40	340	55,0
LPCD/I 40-125/0,75	2070050004I	<b>2.244,00</b>	1	0,75	2,8	1,6	-	40	340	55,0
LPCD/I 40-125/1,1	2070070004I	<b>2.376,00</b>	1,5	1,1	4,0	2,3	-	40	340	57,0
LPCD/I 40-125/1,5	2070080004I	<b>2.519,00</b>	2	1,5	5,7	3,3	-	40	340	59,0
LPCD/I 50-125/1,5	2071080004I	<b>2.626,00</b>	2	1,5	5,7	3,3	-	50	365	61,0
LPCD/I 50-125/2,2	2071100004I	<b>2.715,00</b>	3	2,2	8,0	4,6	-	50	365	64,0
LPCD/I 50-125/3	2071110004I	<b>3.055,00</b>	4	3	9,7	5,6	-	50	365	77,0
LPCD/I 50-160/3	2071110104I	<b>3.592,00</b>	4	3	9,7	5,6	-	50	410	78,0
LPCD/I 50-160/4	2071120004I	<b>3.699,00</b>	5,5	4	13,9	8,2	-	50	410	86,0
LPCD/I 65-160/3	2072110004I	<b>3.699,00</b>	4	3	9,7	5,6	-	65	450	92,0
LPCD/I 65-160/4	2072120004I	<b>4.046,00</b>	5,5	4	13,9	8,2	-	65	450	101,0
LPCD/I 65-160/5,5	2072130004I	<b>4.414,00</b>	7,5	5,5	-	10,2	5,9	65	450	112,0
LPCD/I 65-160/7,5	2072140004I	<b>4.952,00</b>	10	7,5	-	14,4	8,3	65	450	118,0
LPCD/I 80-160/7,5	2073140004I	<b>5.808,00</b>	10	7,5	-	14,4	8,3	80	510	141,0
LPCD/I 80-160/11	2073230004I	<b>6.118,00</b>	15	11	-	19,9	11,5	80	510	188,0
LPCD/I 80-160/15 R	2073240004I	<b>6.590,00</b>	20	15	-	26,8	15,5	80	510	193,0
LPCD/I 80-160/15	2073170004I	<b>6.826,00</b>	20	15	-	26,8	15,5	80	510	193,0
LPCD/I 100-200/11	2075120004I	<b>7.881,00</b>	15	11	-	19,9	11,5	100	630	226,0
LPCD/I 100-200/15 R	2075170004I	<b>8.389,00</b>	20	15	-	26,8	15,5	100	630	232,0
LPCD/I 100-200/15	2075160004I	<b>8.389,00</b>	20	15	-	26,8	15,5	100	630	232,0

# LPCD4



In-line twin centrifugal pumps in cast iron

## Selection table

Model	HP	kW	Q=Flow rate																
			l/min	40	50	75	100	125	150	175	200	225	250	300	350	400	450	500	600
			m <sup>3</sup> /h	2,4	3	4,5	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]																
LPCD4 40-125/0,25 R	0,33	0,25		4,5	4,4	4,1	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-
LPCD4 40-125/0,25	0,33	0,25		-	6,2	6,0	5,7	5,2	4,5	3,9	2,8	-	-	-	-	-	-	-	-
LPCD4 50-125/0,25	0,33	0,25		-	-	-	4,6	4,5	4,3	4,1	3,9	3,6	3,3	2,4	-	-	-	-	-
LPCD4 50-125/0,37	0,5	0,37		-	-	-	6,3	6,2	6,1	6,0	5,8	5,6	5,3	4,6	3,0	-	-	-	-
LPCD4 50-160/0,55	0,75	0,55		-	-	-	8,8	8,6	8,4	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	-
LPCD4/I 65-160/0,75	1	0,75		-	-	-	-	-	6,8	6,7	6,6	6,5	6,4	6,1	5,7	5,1	4,3	3,3	-
LPCD4/I 65-160/0,75	1	0,75		-	-	-	-	-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,6	6,0	4,0
LPCD4/I 65-160/1,1	1,5	1,1		-	-	-	-	-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,7	7,2	5,5

## Selection table

Model	HP	kW	Q=Flow rate																
			l/min	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000
			m <sup>3</sup> /h	18	21	24	27	30	36	42	48	54	60	66	72	78	90	105	120
			H=Total head [m]																
LPCD4/I 80-160/0,75	1	0,75		6,3	6,1	6,0	5,8	5,6	4,9	4,0	3,2	-	-	-	-	-	-	-	-
LPCD4/I 80-160/1,1 R	1,5	1,1		7,3	7,2	7,1	7,0	6,8	6,3	5,6	4,8	3,8	-	-	-	-	-	-	-
LPCD4/I 80-160/1,1	1,5	1,1		8,5	8,5	8,4	8,3	8,2	7,9	7,3	6,7	5,9	5,0	-	-	-	-	-	-
LPCD4/I 80-160/1,5	2	1,5		10,2	10,1	10,0	9,9	9,8	9,5	9,0	8,4	7,5	6,5	-	-	-	-	-	-
LPCD4/I 100-200/1,5	2	1,5		-	-	-	-	8,1	7,8	7,4	7,0	6,5	5,9	5,2	4,5	3,8	-	-	-
LPCD4/I 100-200/2,2	3	2,2		-	-	-	-	10,2	10,0	9,7	9,3	9,0	8,6	8,2	7,7	7,2	6,0	-	-
LPCD4/I 100-200/3	4	3		-	-	-	-	-	12,0	11,8	11,5	11,3	10,9	10,5	10,0	9,5	8,5	7,0	-
LPCD4/I 100-200/4	5,5	4		-	-	-	-	-	14,3	14,2	14,0	13,8	13,4	13,1	12,7	12,2	11,0	9,0	6,5

## Three phase 230/400V

4 Poles

Model	Code	£ Stg	HP	kW	Abs. Curr. [A]		DNA DNM	Interasse [mm]	Weight [kg]
					230V	400V			
LPCD4 40-125/0,25 R	2079010404	<b>2.196,00</b>	0,33	0,25	1,6	0,9	40	340	44,0
LPCD4 40-125/0,25	2070010404	<b>2.196,00</b>	0,33	0,25	1,6	0,9	40	340	44,0
LPCD4 50-125/0,25	2071010404	<b>2.268,00</b>	0,33	0,25	1,6	0,9	50	365	46,0
LPCD4 50-125/0,37	2071020404	<b>2.376,00</b>	0,5	0,37	2,1	1,2	50	365	47,0
LPCD4 50-160/0,55	2071030404	<b>2.626,00</b>	0,75	0,55	2,8	1,6	50	410	53,0
LPCD4/I 65-160/0,75	2072030404I	<b>2.888,00</b>	1	0,75	3	1,7	65	450	66,0
LPCD4/I 65-160/0,75	2072050404I	<b>2.888,00</b>	1	0,75	3	1,7	65	450	66,0
LPCD4/I 65-160/1,1	2072060404I	<b>2.973,00</b>	1,5	1,1	4,2	2,4	65	450	79,0
LPCD4/I 80-160/0,75	2073050404I	<b>3.020,00</b>	1	0,75	3	1,7	80	510	75,0
LPCD4/I 80-160/1,1 R	2073060404I	<b>3.436,00</b>	1,5	1,1	4,2	2,4	80	510	86,0
LPCD4/I 80-160/1,1	2073070404I	<b>3.449,00</b>	1,5	1,1	4,2	2,4	80	510	86,0
LPCD4/I 80-160/1,5	2073080404I	<b>3.665,00</b>	2	1,5	5,6	3,2	80	510	87,0
LPCD4/I 100-200/1,5	2074080404I	<b>4.869,00</b>	2	1,5	5,6	3,2	100	630	133,0
LPCD4/I 100-200/2,2	2074100404I	<b>5.203,00</b>	3	2,2	8,3	4,8	100	630	143,0
LPCD4/I 100-200/3	2074110404I	<b>5.358,00</b>	4	3	11,8	6,8	100	630	154,0
LPCD4/I 100-200/4	2074120404I	<b>6.085,00</b>	5,5	4	14,2	8,2	100	630	169,0



# LPC - LPCD with E-drive

## In-line single and twin electronic centrifugal pumps in cast iron

In-line centrifugal pumps complete of inverter. Reliable, these pumps combine the features of a standard pump and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Sturdy hydraulic frame



Low noise

## Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420
Mechanical seal	Carbon/SiC/EPDM
Motor support	Cast iron

## Technical data

Max. pressure	6 bar for LPC 32-100/40-100 10 bar for the rest of the range
Liquid temperature	-10°C ÷ +110°C
Poles	2 and 4
MEI	> 0,4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% up to 4 kW Three phase 400/690V ±10% from 5,5 kW

## Accessories



### Counterflanges kit

Page 388 - Galvanized counterflanges kit



### Blind flanges

Page 388 - Blind flange for LPCD

# LPC with E-drive



In-line single electronic centrifugal pumps in cast iron

Selection table																	
Model	HP	kW	Q=Flow rate														
			l/min	50	100	125	150	175	200	225	250	300	350	400	450	500	600
			m3/h	3	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
H=Total head [m]																	
LPC 32-100/0,37	0,5	0,37		10,7	10,0	9,3	8,4	7,3	6,0	-	-	-	-	-	-	-	
LPC 40-100/0,55	0,75	0,55	-	11,7	11,4	11,0	10,5	9,9	8,5	8,5	7,0	-	-	-	-	-	
LPC/I 40-100/0,75	1	0,75	-	13,5	13,3	13,0	12,5	12,0	10,7	10,7	9,0	7,0	-	-	-	-	
LPC/I 40-125/0,75	1	0,75	-	15,3	14,5	13,7	12,8	11,5	9,0	9,0	6,0	-	-	-	-	-	
LPC/I 40-125/1,1	1,5	1,1	-	20,5	19,7	19,0	18,1	17,1	14,5	14,5	11,2	7,5	-	-	-	-	
LPC/I 40-125/1,5	2	1,5	-	24,5	24,1	23,5	22,9	22,0	19,5	19,5	16,5	13	-	-	-	-	
LPC/I 40-160/2,2	3	2,2	-	28,5	28,0	27,4	26,5	25,5	23,1	23,1	20,0	15,0	-	-	-	-	
LPC/I 40-160/3 R	4	3	-	33,5	33,0	32,5	32,0	31,0	29,0	29,0	26,0	22,5	-	-	-	-	
LPC/I 40-160/3	4	3	-	38,0	37,5	36,8	35,8	35,0	32,5	32,5	30	26,5	-	-	-	-	
LPC/I 40-200/4	5,5	4	-	47,0	46,5	46,0	45,0	44,0	42,0	42,0	39,2	36,1	33,0	-	-	-	
LPC/I 40-200/5,5	7,5	5,5	-	55,0	54,5	54,0	53,5	53,0	51,0	51,0	48,5	46,0	42,5	-	-	-	
LPC/I 40-200/7,5	10	7,5	-	62,0	61,5	61,0	60,0	59,0	57,0	57,0	55,0	52,0	49,0	45,0	40,0	-	
LPC/I 50-125/1,5	2	1,5	-	-	-	-	-	-	16,0	15,5	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPC/I 50-125/2,2	3	2,2	-	-	-	-	-	-	19,5	19,1	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPC/I 50-125/3	4	3	-	-	-	-	-	-	24,7	24,5	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPC/I 50-160/3	4	3	-	-	-	-	-	-	30,5	29,9	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPC/I 50-160/4	5,5	4	-	-	-	-	-	-	37,0	36,5	36,5	35,5	34,6	33,5	32,2	30,7	26,5
LPC/I 50-200/5,5	7,5	5,5	-	-	-	-	-	-	46,0	45,0	45,0	44,0	43,0	41,0	39,2	37,0	31,0
LPC/I 50-200/7,5 R	10	7,5	-	-	-	-	-	-	51,0	51,0	51,0	50,0	48,5	47,0	45,0	42,5	37,0
LPC/I 50-200/7,5	10	7,5	-	-	-	-	-	-	57,5	57,0	57,0	55,5	54,0	53,0	51,0	49,0	44,0

Selection table																							
Model	HP	kW	Q=Flow rate																				
			l/min	350	400	450	500	600	700	800	900	1000	1100	1216	1250	1500	1750	2000	2250	2500	2750	3000	3500
			m3/h	21	24	27	30	36	42	48	54	60	66	73	75	90	105	120	135	150	165	180	210
H=Total head [m]																							
LPC/I 65-125/2,2	3	2,2	17,5	17,0	16,5	16,0	14,8	13	11,0	9,0	-	-	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-125/3	4	3	-	21,0	20,6	20,1	19,0	17,6	16,0	14,0	12,0	-	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-125/4	5,5	4	-	25,5	25,2	24,8	24,0	22,9	21,5	19,6	17,5	-	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-160/5,5	7,5	5,5	-	32,3	32	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-160/7,5	10	7,5	-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	26,0	23,0	-	-	-	-	-	-	-	-	-	-
LPC/I 65-200/11	15	11	-	51,0	50,0	49,0	48,0	45,5	43,0	39,7	36,0	31,5	27,0	-	-	-	-	-	-	-	-	-	-
LPC/I 65-200/15	20	15	-	57,5	57,0	56,5	55,0	53,0	50,0	46,5	42,5	38,0	33,8	-	-	-	-	-	-	-	-	-	-
LPC/I 80-160/11	13,6	10	-	-	-	-	-	30,5	30,0	29,5	29,0	28,3	27,5	27,0	24,0	20,2	16,0	-	-	-	-	-	-
LPC/I 80-160/15 R	17	12,5	-	-	-	-	-	36,0	35,5	35,0	34,5	34,0	33,0	32,8	30,0	27,0	23,0	19,0	-	-	-	-	-
LPC/I 80-160/15	20	15	-	-	-	-	-	41,0	40,5	39,9	39,2	38,6	37,8	37,5	35,5	32,5	29,0	24,0	-	-	-	-	-
LPC/I 80-200/15	20	15	-	-	-	-	-	44,0	44,0	43,5	43,0	42,5	41,8	41,5	39,0	35,5	31,5	-	-	-	-	-	-
LPC/I 80-200/18,5	25	18,5	-	-	-	-	-	50,5	50,0	50,0	49,5	49,0	48,8	48,5	46,5	43,0	39,5	35,0	-	-	-	-	-
LPC/I 80-200/22	30	22	-	-	-	-	-	57,0	56,5	56,5	56,0	55,5	55,2	55	53,5	51,0	48,0	42,5	-	-	-	-	-
LPC/I 100-160/11	13,6	10	-	-	-	-	-	-	-	-	23,5	23,6	23,2	23,0	22,0	20,7	19,5	18,1	16,5	14,0	-	-	-

# LPC with E-drive



In-line single electronic centrifugal pumps in cast iron

Single phase supply inverter 230V - Three phase 230V pump								2 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPC 32-100/0,37 EDM	1547502001	<b>1.954,00</b>	0,5	0,37	15	32	220	16,0
LPC 40-100/0,55 EDM	1547502002	<b>1.979,00</b>	0,75	0,55	15	40	260	20,0
LPC/I 40-100/0,75 EDM DP	1547502003I	<b>2.183,00</b>	1	0,75	15	40	260	22,0
LPC/I 40-125/0,75 EDM DP	1547502004I	<b>2.205,00</b>	1	0,75	15	40	300	30,0
LPC/I 40-125/1,1 EDM DP	1547502005I	<b>2.248,00</b>	1,5	1,1	15	40	300	31,0
LPC/I 40-125/1,5 EDM DP	1547502006I	<b>2.295,00</b>	2	1,5	15	40	300	33,0
LPC/I 50-125/1,5 EDM DP	1547502013I	<b>2.453,00</b>	2	1,5	15	50	320	34,0

\* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase 400V pump								2 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPC 32-100/0,37 EDT DP	1547502029	<b>2.584,00</b>	0,5	0,37	10	32	220	16,0
LPC 40-100/0,55 EDT DP	1547502030	<b>2.607,00</b>	0,75	0,55	10	40	260	20,0
LPC/I 40-100/0,75 EDT DP	1547502031I	<b>2.803,00</b>	1	0,75	10	40	260	22,4
LPC/I 40-125/0,75 EDT DP	1547502032I	<b>2.833,00</b>	1	0,75	10	40	300	30,4
LPC/I 40-125/1,1 EDT DP	1547502033I	<b>2.878,00</b>	1,5	1,1	10	40	300	31,4
LPC/I 40-125/1,5 EDT DP	1547502034I	<b>2.906,00</b>	2	1,5	10	40	300	34,4
LPC/I 40-160/2,2 EDT DP	1547502007I	<b>3.236,00</b>	3	2,2	10	40	320	35,4
LPC/I 40-160/3R EDT DP	1547502008I	<b>3.704,00</b>	4	3	13,5	40	320	44,4
LPC/I 40-160/3 EDT DP	1547502009I	<b>3.704,00</b>	4	3	13,5	40	320	46,4
LPC/I 40-200/4 EDT DP	1547502010I	<b>3.861,00</b>	5,5	4	13,5	40	380	54,4
LPC/I 40-200/5,5 EDT DP	1547502011I	<b>4.542,00</b>	7,5	5,5	16	40	380	64,0
LPC/I 40-200/7,5 EDT DP	1547502012I	<b>5.191,00</b>	1	7,5	21	40	380	67,0
LPC/I 50-125/1,5 EDT DP	1547502035I	<b>3.125,00</b>	2	1,5	10	50	320	34,4
LPC/I 50-125/2,2 EDT DP	1547502014I	<b>3.277,00</b>	3	2,2	10	50	320	32,4
LPC/I 50-125/3 EDT DP	1547502015I	<b>3.771,00</b>	4	3	13,5	50	320	41,4
LPC/I 50-160/3 EDT DP	1547502016I	<b>3.720,00</b>	4	3	13,5	50	340	41,4
LPC/I 50-160/4 EDT DP	1547502017I	<b>3.731,00</b>	5,5	4	13,5	50	340	46,4
LPC/I 50-200/5,5 EDT DP	1547502018I	<b>4.633,00</b>	7,5	5,5	16	50	400	65,0
LPC/I 50-200/7,5R EDT DP	1547502019I	<b>5.301,00</b>	10	7,5	21	50	400	68,0
LPC/I 50-200/7,5 EDT DP	1547502020I	<b>5.301,00</b>	10	7,5	21	50	400	68,0
LPC/I 65-125/2,2 EDT DP	1547502021I	<b>3.301,00</b>	3	2,2	10	65	360	40,4
LPC/I 65-125/3 EDT DP	1547502022I	<b>3.788,00</b>	4	3	13,5	65	360	48,4
LPC/I 65-125/4 EDT DP	1547502023I	<b>3.822,00</b>	5,5	4	13,5	65	360	47,4
LPC/I 65-160/5,5 EDT DP	1547502024I	<b>4.538,00</b>	7,5	5,5	16	65	400	63,0
LPC/I 65-160/7,5 EDT DP	1547502025I	<b>5.106,00</b>	10	7,5	21	65	400	65,0
LPC/I 65-200/11 EDT DP	1547502026I	<b>6.114,00</b>	15	11	31	65	440	90,0
LPC/I 80-160/11 EDT DP	1547502027I	<b>6.390,00</b>	15	11	31	80	440	92,0
LPC/I 100-160/11 EDT DP	1547502028I	<b>6.473,00</b>	15	11	31	100	525	96,0

\* Max. absorbed current from the inverter

# LPC4 with E-drive



In-line single electronic centrifugal pumps in cast iron

Selection table																						
Model	HP	kW	Q=Flow rate																			
			l/min	30	40	50	75	85	100	125	150	167	175	200	225	250	300	350	400	417	450	500
			m <sup>3</sup> /h	1,8	2,4	3	4,5	5,1	6	7,5	9	10	10,5	12	13,5	15	18	21	24	25	27	30
H=Total head [m]																						
LPC4 32-100/0,25	0,33	0,25		3,3	3,2	3,1	2,7	2,5	2,1	1,2	-	-	-	-	-	-	-	-	-	-	-	
LPC4 40-100/0,25	0,33	0,25		-	3,6	3,6	3,5	3,4	3,3	2,9	2,5	2,2	2,0	1,5	-	-	-	-	-	-	-	
LPC4 40-125/0,25 R	0,33	0,25		-	4,5	4,4	4,1	3,9	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-	
LPC4 40-125/0,25	0,33	0,25		-	-	6,2	6,0	5,9	5,7	5,2	4,5	4,1	3,9	2,8	-	-	-	-	-	-	-	
LPC4 40-160/0,37	0,55	0,37		-	-	9,4	9,2	9,1	8,9	8,4	7,7	7,4	6,9	5,8	4,7	-	-	-	-	-	-	
LPC4/I 40-200/0,75	1	0,75		-	-	-	12,8	12,6	12,4	11,9	11,3	11,0	10,6	9,8	9,0	8,0	6,0	-	-	-	-	
LPC4/I 40-200/1,1	1,5	1,1		-	-	-	14,6	14,5	14,3	13,8	13,3	13,0	12,7	11,8	10,9	10,0	8,0	-	-	-	-	
LPC4/I 40-250/1,1	1,5	1,1		-	-	-	-	18,5	18,0	17,5	17	16,3	16	14,5	13,0	11,0	-	-	-	-	-	
LPC4/I 40-250/1,5	2	1,5		-	-	-	-	-	21,5	21	20,5	19,7	19,5	18	16,5	15	-	-	-	-	-	
LPC4 50-125/0,25	0,3	0,25		-	-	-	-	-	4,6	4,5	4,3	4,2	4,1	3,9	3,6	3,3	2,4	-	-	-	-	
LPC4 50-125/0,37	0,55	0,37		-	-	-	-	-	6,3	6,2	6,1	6,0	6,0	5,8	5,6	5,3	4,6	3	-	-	-	
LPC4 50-160/0,55	0,75	0,55		-	-	-	-	-	8,8	8,6	8,4	8,2	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	
LPC4/I 50-200/1,1 R	1,5	1,1		-	-	-	-	-	12,7	12,5	12,1	12	11,7	11,2	10,7	10,1	8,5	6,8	-	-	-	
LPC4/I 50-200/1,1	1,5	1,1		-	-	-	-	-	14,2	14	13,8	13,7	13,4	13,0	12,5	11,8	10,2	8,3	6,0	-	-	
LPC4/I 50-250/1,5	2	1,5		-	-	-	-	-	-	-	-	17,5	17,4	17,0	16,6	16,2	15,0	13,7	12,0	11,0	10,0	
LPC4/I 50-250/2,2	3	2,2		-	-	-	-	-	-	-	-	21,8	21,7	21,4	21,0	20,5	19,5	18,5	17,0	15,4	14,0	

Selection table																									
Model	HP	kW	Q=Flow rate																						
			l/min	150	167	175	200	225	250	300	350	400	417	450	500	600	700	750	800	900	1000	1100	1200	1300	1500
			m <sup>3</sup> /h	9	10	10,5	12	13,5	15	18	21	24	25	27	30	36	42	45	48	54	60	66	72	78	90
H=Total head [m]																									
LPC4 65-125/0,37	0,5	0,37		5,3	5,3	5,3	5,2	5,1	5,0	4,8	4,5	4,1	3,7	3,6	3,0	-	-	-	-	-	-				
LPC4 65-125/0,55	0,75	0,55		6,4	6,4	6,3	6,2	6,1	6,0	5,8	5,5	5,2	5,1	4,9	4,4	-	-	-	-	-	-				
LPC4/I 65-160/0,75	1	0,75		-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,8	6,6	6,0	4,0	-	-	-	-	-				
LPC4/I 65-160/1,1	1,5	1,1		-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,9	7,7	7,2	5,5	-	-	-	-	-				
LPC4/I 65-200/1,1	1,5	1,1		-	-	-	12,3	12,2	12	11,5	10,8	10,0	9,4	9,0	8,0	5,8	-	-	-	-	-				
LPC4/I 65-200/1,5	2	1,5		-	-	-	14,1	14,1	14,4	13,6	13,0	12,1	11,9	11,2	10,1	7,8	5,0	-	-	-	-				
LPC4/I 65-250/2,2	3	2,2		-	-	-	-	18,0	17,5	17,0	16,0	15,8	15,0	14,0	11,8	9,5	8,5	-	-	-	-				
LPC4/I 65-250/3	4	3		-	-	-	-	22,3	22	21,5	21,0	20,8	20,2	19,4	17,3	14,0	12,5	10,6	-	-	-				
LPC4/I 80-160/0,75	1	0,75		-	-	-	-	-	6,3	6,1	6,0	5,9	5,8	5,6	4,9	4,0	3,6	-	-	-	-				
LPC4/I 80-160/1,1 R	1,5	1,1		-	-	-	-	-	7,3	7,2	7,1	7,1	7,0	6,8	6,3	5,6	5,3	4,8	3,8	-	-				
LPC4/I 80-160/1,1	1,5	1,1		-	-	-	-	-	8,5	8,5	8,4	8,4	8,3	8,2	7,9	7,3	7,1	6,7	5,9	5,0	-				
LPC4/I 80-160/1,5	2	1,5		-	-	-	-	-	10,2	10,1	10,0	10,0	9,9	9,8	9,5	9,0	8,8	8,4	7,5	6,5	-				
LPC4/I 80-200/2,2	3	2,2		-	-	-	-	-	-	-	12,5	12,5	12,4	12,3	12,1	11,7	11,2	11,1	10,4	9,6	8,5				
LPC4/I 80-200/3	4	3		-	-	-	-	-	-	-	15,3	15,3	15,2	15,1	15,0	14,6	14,2	14,2	13,6	12,8	11,9				
LPC4/I 80-250/4	5,5	4		-	-	-	-	-	-	19,9	19,8	19,8	19,7	19,5	19,0	18,4	18,0	17,5	16,5	15,2	13,8				
LPC4/I 80-250/5,5	7,5	5,5		-	-	-	-	-	-	-	-	23,0	22,9	22,8	22,5	22,0	21,8	21,5	20,6	19,7	18,7				

Circulators In-line



# LPC4 with E-drive



In-line single electronic centrifugal pumps in cast iron

Selection table																										
Model	HP	kW	Q=Flow rate																							
			l/min	600	667	700	800	833	900	1000	1100	1200	1250	1500	1667	1750	2000	2250	2500	2750	3000	3500	4500	4667	5000	
			m3/h	36	40	42	48	50	54	60	66	72	75	90	100	105	120	135	150	165	180	210	270	280	300	
H=Total head [m]																										
LPC4/I 100-160/1,5	2	1,5		7,7	7,6	7,5	7,2	7,1	7,0	6,7	6,4	6,1	6,0	5,0	-	-	-	-	-	-	-	-	-	-	-	
LPC4/I 100-160/2,2	3	2,2		9,7	9,6	9,5	9,4	9,3	9,1	8,8	8,5	8,2	8,0	7,1	6,3	6,0	-	-	-	-	-	-	-	-	-	
LPC4/I 100-200/3	4	3		12,0	11,9	11,8	11,5	11,4	11,3	10,9	10,5	10,0	9,6	8,5	7,5	7,0	-	-	-	-	-	-	-	-	-	
LPC4/I 100-200/4	5,5	4		14,4	14,3	14,2	14,0	13,9	13,8	13,4	13,1	12,7	12,4	11,0	9,7	9,0	6,5	-	-	-	-	-	-	-	-	
LPC4/I 100-250/5,5	7,5	5,5		-	-	-	19,2	19,0	18,9	18,5	18,1	17,7	17,5	16,0	14,9	14,5	12,0	-	-	-	-	-	-	-	-	
LPC4/I 100-250/7,5	10	7,5		-	-	-	22,3	22,2	22,1	21,9	21,7	21,3	21,1	20,0	19,0	18,5	16,8	14,5	-	-	-	-	-	-	-	
LPC4/I 125-250/5,5	7,5	5,5		-	12,7	12,6	12,4	12,3	12,2	11,9	11,8	11,0	10,9	9,6	8,6	8,0	6,0	3,5	-	-	-	-	-	-	-	
LPC4/I 125-250/5,5	7,5	5,5		-	-	-	-	15,6	15,5	15,2	15,0	14,6	14,4	12,4	12,3	12,0	10,0	8,0	6,0	-	-	-	-	-	-	
LPC4/I 125-250/7,5	10	7,5		-	-	-	-	19,5	19,4	19,2	19,0	18,8	17,7	18,0	17,5	17,0	15,7	14,0	12,5	10,5	-	-	-	-	-	
LPC4/I 125-250/11	15	11		-	-	-	-	-	-	21,6	21,4	21,3	21,2	20,8	20,3	20,0	19,0	17,8	16,2	14,2	12,0	-	-	-	-	
LPC4/I 150-250/7,5	10	7,5		-	-	-	-	-	-	-	-	-	15,0	14,7	14,4	14,3	13,8	13,3	12,6	11,8	11,0	9,0	4,0	-	-	
LPC4/I 150-250/11 R	15	11		-	-	-	-	-	-	-	-	-	-	-	16,6	16,5	16,0	15,5	15,0	14,2	13,5	11,8	7,4	6,8	4,6	
LPC4/I 150-250/11	15	11		-	-	-	-	-	-	-	-	-	-	18,9	18,5	18,2	18,0	17,7	17,2	16,7	16,2	15,3	13,6	9,4	-	
LPC4/I 150-250/15 R	20	15		-	-	-	-	-	-	-	-	-	-	20,5	20,1	19,9	19,8	19,5	19,0	18,6	18,0	17,4	15,7	11,9	10,5	-
LPC4/I 150-250/15	20	15		-	-	-	-	-	-	-	-	-	-	-	-	20,8	20,7	20,5	19,8	19,5	19,0	18,5	17,0	13,0	11,8	10,5

Single phase supply inverter 230V - Three phase 230V pump									4 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]	
LPC4 32-100/0,25 EDM DP	1547502201	1.827,00	0,33	0,25	15	32	220	16,0	
LPC4 40-100/0,25 EDM DP	1547502202	1.913,00	0,33	0,25	15	40	260	20,0	
LPC4 40-125/0,25R EDM DP	1547502203	1.977,00	0,33	0,25	15	40	300	24,0	
LPC4 40-125/0,25 EDM DP	1547502204	2.061,00	0,5	0,37	15	40	300	24,0	
LPC4 40-160/0,37 EDM DP	1547502205	2.112,00	0,75	0,55	15	40	320	27,0	
LPC4/I 40-200/0,75 EDM DP	1547502206I	2.644,00	1	0,75	15	40	380	36,0	
LPC4/I 40-200/1,1 EDM DP	1547502207I	3.329,00	1	0,75	15	40	380	41,0	
LPC4/I 40-250/1,1 EDM DP	1547502208I	3.501,00	1,5	1,1	15	40	440	59,0	
LPC4/I 40-250/1,5 EDM DP	1547502209I	3.781,00	1	0,75	15	40	440	56,0	
LPC4 50-125/0,25 EDM DP	1547502210	2.061,00	1,5	1,1	15	50	320	25,0	
LPC4 50-125/0,37 EDM DP	1547502211	2.086,00	1,5	1,1	15	50	320	26,0	
LPC4 50-160/0,55 EDM DP	1547502212	2.277,00	2	1,5	15	50	340	29,0	
LPC4/I 50-200/1,1R EDM DP	1547502213I	2.965,00	2	1,5	15	50	400	44,0	
LPC4/I 50-200/1,1 EDM DP	1547502214I	3.093,00	3	2,2	15	50	400	44,0	
LPC4/I 50-250/1,5 EDM DP	1547502215I	3.545,00	4	3	15	50	400	57,0	
LPC4 65-125/0,37 EDM DP	1547502217	2.217,00	0,5	0,37	15	65	360	29	
LPC4 65-125/0,55 EDM DP	1547502218	2.245,00	0,77	0,55	15	65	360	30	
LPC4/I 65-160/0,75 EDM DP	1547502219I	2.433,00	1	0,75	15	65	400	38	
LPC4/I 65-160/1,1 EDM DP	1547502220I	2.493,00	1,5	1,1	15	65	400	43	
LPC4/I 65-200/1,1 EDM DP	1547502221I	2.703,00	1,5	1,1	15	65	440	46	
LPC4/I 65-200/1,5 EDM DP	1547502222I	2.729,00	2	1,5	15	65	440	45	
LPC4/I 80-160/0,75 EDM DP	1547502225I	2.760,00	1	0,75	15	80	440	55	
LPC4/I 80-160/1,1R EDM DP	1547502226I	2.811,00	1,5	1,1	15	80	440	61	
LPC4/I 80-160/1,1 EDM DP	1547502227I	2.879,00	1,5	1,1	15	80	440	46	
LPC4/I 80-160/1,5 EDM DP	1547502228I	2.957,00	1,5	1,1	15	80	440	45	
LPC4/I 100-160/1,5 EDM DP	1547502233I	3.058,00	2	1,5	15	100	525	50	

\* Max. absorbed current from the inverter

Circulators In-line

# LPC4 with E-drive



In-line single electronic centrifugal pumps in cast iron

Three phase supply inverter 400V - Three phase 400V pump								4 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPC4 32-100/0,25 EDT DP	1547502246	<b>2.338,00</b>	0,33	0,25	10	32	220	16,0
LPC4 40-100/0,25 EDT DP	1547502247	<b>2.448,00</b>	0,33	0,25	10	40	260	20,0
LPC4 40-125/0,25R EDT DP	1547502248	<b>2.531,00</b>	0,33	0,25	10	40	300	24,0
LPC4 40-125/0,25 EDT DP	1547502249	<b>2.638,00</b>	0,5	0,37	10	40	300	24,0
LPC4 40-160/0,37 EDT DP	1547502250	<b>2.704,00</b>	0,75	0,55	10	40	320	27,0
LPC4/I 40-200/0,75 EDT DP	1547502251I	<b>3.383,00</b>	1	0,75	10	40	380	36,4
LPC4/I 40-200/1,1 EDT DP	1547502252I	<b>4.262,00</b>	1	0,75	10	40	380	41,4
LPC4/I 40-250/1,1 EDT DP	1547502253I	<b>4.482,00</b>	1,5	1,1	10	40	440	59,4
LPC4/I 40-250/1,5 EDT DP	1547502254I	<b>4.840,00</b>	1	0,75	10	40	440	56,4
LPC4 50-125/0,25 EDT DP	1547502255	<b>2.638,00</b>	1,5	1,1	10	50	320	25,0
LPC4 50-125/0,37 EDT DP	1547502256	<b>2.668,00</b>	1,5	1,1	10	50	320	26,0
LPC4 50-160/0,55 EDT DP	1547502257	<b>2.916,00</b>	2	1,5	10	50	340	29,0
LPC4/I 50-200/1,1R EDT DP	1547502258I	<b>3.794,00</b>	2	1,5	10	50	400	44,4
LPC4/I 50-200/1,1 EDT DP	1547502259I	<b>3.958,00</b>	3	2,2	10	50	400	44,4
LPC4/I 50-250/1.5 EDT DP	1547502260I	<b>4.538,00</b>	4	3	10	50	400	57,4
LPC4/I 50-250/2,2 EDT DP	1547502216I	<b>5.788,00</b>	5,5	4	10	50	440	61,4
LPC4 65-125/0,37 EDT DP	1547502261	<b>2.874,00</b>	0,5	0,37	10	65	360	29,0
LPC4 65-125/0,55 EDT DP	1547502262	<b>2.874,00</b>	0,75	0,55	10	65	360	30,0
LPC4/I 65-160/0,75 EDT DP	1547502263I	<b>3.369,00</b>	1	0,75	10	65	400	38,4
LPC4/I 65-160/1,1 EDT DP	1547502264I	<b>3.124,00</b>	1,5	1,1	10	65	400	43,4
LPC4/I 65-200/1,1 EDT DP	1547502265I	<b>3.331,00</b>	1,5	1,1	10	65	440	46,4
LPC4/I 65-200/1,5 EDT DP	1547502266I	<b>3.359,00</b>	2	1,5	10	65	440	45,4
LPC4/I 65-250/2,2 EDT DP	1547502223I	<b>3.881,00</b>	3	2,2	10	65	475	71,4
LPC4/I 65-250/3 EDT DP	1547502224I	<b>4.306,00</b>	4	3	13,5	65	475	72,4
LPC4/I 80-160/0,75 EDT DP	1547502267I	<b>3.390,00</b>	1	0,75	10	80	440	55,4
LPC4/I 80-160/1,1R EDT DP	1547502271I	<b>3.440,00</b>	1,5	1,1	10	80	440	61,4
LPC4/I 80-160/1,1 EDT DP	1547502268I	<b>3.510,00</b>	1,5	1,1	10	80	440	46,4
LPC4/I 80-160/1,5 EDT DP	1547502269I	<b>3.585,00</b>	2	1,5	10	80	440	45,4
LPC4/I 80-200/2,2 EDT DP	1547502229I	<b>3.875,00</b>	3	2,2	10	80	500	56,4
LPC4/I 80-200/3 EDT DP	1547502230I	<b>4.287,00</b>	4	3	13,5	80	500	63,4
LPC4/I 80-250/4 EDT DP	1547502231I	<b>4.963,00</b>	5,5	4	13,5	80	530	87,4
LPC4/I 80-250/5,5 EDT DP	1547502232I	<b>5.478,00</b>	7,5	5,5	16	80	530	114,0
LPC4/I 100-160/1,5 EDT DP	1547502270I	<b>3.688,00</b>	2	1,5	10	100	525	50,4
LPC4/I 100-160/2,2 EDT DP	1547502234I	<b>4.041,00</b>	3	2,2	10	100	525	55,4
LPC4/I 100-200/3 EDT DP	1547502235I	<b>4.402,00</b>	4	3	13,5	100	550	72,4
LPC4/I 100-200/4 EDT DP	1547502236I	<b>4.652,00</b>	5,5	4	13,5	100	550	76,4
LPC4/I 100-250/5,5 EDT DP	1547502237I	<b>5.743,00</b>	7,5	5,5	16	100	600	116,0
LPC4/I 100-250/7,5 EDT DP	1547502238I	<b>6.470,00</b>	10	7,5	21	100	600	126,0
LPC4/I 125-250/5,5R EDT DP	1547502239I	<b>5.964,00</b>	7,5	5,5	16	125	620	152,0
LPC4/I 125-250/5,5 EDT DP	1547502240I	<b>5.964,00</b>	7,5	5,5	16	125	620	152,0
LPC4/I 125-250/7,5 EDT DP	1547502241I	<b>6.804,00</b>	10	7,5	21	125	620	155,0
LPC4/I 125-250/11 EDT DP	1547502242I	<b>7.998,00</b>	15	11	31	125	620	195,0
LPC4/I 150-250/7,5 EDT DP	1547502243I	<b>7.458,00</b>	10	7,5	21	150	700	174,0
LPC4/I 150-250/11R EDT DP	1547502244I	<b>8.666,00</b>	15	11	31	150	700	215,0
LPC4/I 150-250/11 EDT DP	1547502245I	<b>8.702,00</b>	15	11	31	150	700	215,0

\* Max. absorbed current from the inverter

# LPCD with E-drive



In-line twin electronic centrifugal pumps in cast iron

## Selection table

Model	HP	kW	Q=Flow rate													
			l/min	100	125	150	175	200	225	250	300	350	400	450	500	600
			m <sup>3</sup> /h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]													
LPCD/I 40-125/0,75 R	1	0,75		12,5	11,6	10,6	9,7	8,5	7,4	5,5	-	-	-	-	-	-
LPCD/I 40-125/0,75	1	0,75		15,3	14,5	13,7	12,8	11,5	10,4	9,0	6,0	-	-	-	-	-
LPCD/I 40-125/1,1	1,5	1,1		20,5	19,7	19,0	18,1	17,1	15,9	14,5	11,2	7,5	-	-	-	-
LPCD/I 40-125/1,5	2	1,5		24,5	24,1	23,5	22,9	22,0	20,8	19,5	16,5	13,0	-	-	-	-
LPCD/I 50-125/1,5	2	1,5		-	-	-	-	16,0	15,7	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPCD/I 50-125/2,2	3	2,2		-	-	-	-	19,5	19,3	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPCD/I 50-125/3	4	3		-	-	-	-	24,7	24,6	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPCD/I 50-160/3	4	3		-	-	-	-	30,5	30,2	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPCD/I 50-160/4	5,5	4		-	-	-	-	37,0	36,8	36,5	35,5	34,6	33,5	32,2	30,7	26,5

## Selection table

Model	HP	kW	Q=Flow rate																			
			l/min	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250	2750	3000	3166	3500	3667
			m <sup>3</sup> /h	21	24	27	30	36	42	48	54	60	75	90	105	120	135	165	180	190	210	220
			H=Total head [m]																			
LPCD/I 65-160/3	4	3		23,0	22,5	22,0	21,3	19,7	17,2	14,5	-	-	-	-	-	-	-	-	-	-	-	-
LPCD/I 65-160/4	5,5	4		27,0	26,6	26,0	25,5	24,2	22,5	20,2	17,6	-	-	-	-	-	-	-	-	-	-	-
LPCD/I 65-160/5,5	7,5	5,5		-	32,3	32,0	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	-	-
LPCD/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	-	-	-	-	-	-	-	-	-	-
LPCD/I 80-160/7,5	10	7,5		-	-	-	-	25,5	25,2	24,7	24,0	23,3	20,5	16,9	12,5	-	-	-	-	-	-	-
LPCD/I 80-160/11	15	11		-	-	-	-	-	30,5	30,0	29,5	29,0	27,0	24,0	20,2	16,0	-	-	-	-	-	-
LPCD/I 80-160/15 R	20	15		-	-	-	-	-	36,0	35,5	35	34,5	32,8	30,0	27,0	23,0	19,0	-	-	-	-	-
LPCD/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	37,5	35,5	32,5	29,0	24,0	-	-	-	-	-
LPCD/I 100-200/11	15	11		-	-	-	-	-	-	-	-	24,5	23,5	22,0	20,5	18,5	16,0	10,5	7,0	4,0	-	-

# LPCD with E-drive



In-line twin electronic centrifugal pumps in cast iron

Single phase supply inverter 230V - Three phase 230V pump								2 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD/I 40-125/0,75R EDM DP	1547502101I	<b>4.124,00</b>	1	0,75	2 x 15	40	340	69,0
LPCD/I 40-125/0,75 EDM DP	1547502102I	<b>4.124,00</b>	1	0,75	2 x 15	40	340	55,0
LPCD/I 40-125/1,1 EDM DP	1547502103I	<b>4.231,00</b>	1,5	1,1	2 x 15	40	340	55,0
LPCD/I 40-125/1,5 EDM DP	1547502104I	<b>4.236,00</b>	2	1,5	2 x 15	40	340	55,0
LPCD/I 50-125/1,5 EDM DP	1547502105I	<b>4.597,00</b>	2	1,5	2 x 15	50	365	59,0

\* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase 400V pump								2 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD/I 40-125/0,75 R EDT DP	1547502118I	<b>5.383,00</b>	1	0,75	2 x 10	40	340	73,4
LPCD/I 40-125/0,75 EDT DP	1547502119I	<b>5.383,00</b>	1	0,75	2 x 10	40	340	59,4
LPCD/I 40-125/1,1 EDT DP	1547502120I	<b>5.479,00</b>	1,5	1,1	2 x 10	40	340	59,4
LPCD/I 40-125/1,5 EDT DP	1547502121I	<b>5.479,00</b>	2	1,5	2 x 10	40	340	63,4
LPCD/I 50-125/1,5 EDT DP	1547502122I	<b>5.855,00</b>	2	1,5	2 x 10	50	365	65,4
LPCD/I 50-125/2,2 EDT DP	1547502106I	<b>6.193,00</b>	3	2,2	2 x 10	50	365	68,4
LPCD/I 50-125/3 EDT DP	1547502107I	<b>7.099,00</b>	4	3	2 x 13,5	50	365	81,4
LPCD/I 50-160/3 EDT DP	1547502108I	<b>7.089,00</b>	4	3	2 x 13,5	50	410	82,4
LPCD/I 50-160/4 EDT DP	1547502109I	<b>7.246,00</b>	5,5	4	2 x 13,5	50	410	90,4
LPCD/I 65-160/3 EDT DP	1547502110I	<b>7.238,00</b>	4	3	2 x 13,5	65	450	96,4
LPCD/I 65-160/4 EDT DP	1547502111I	<b>7.288,00</b>	5,5	4	2 x 13,5	65	450	105,4
LPCD/I 65-160/5,5 EDT DP	1547502112I	<b>8.585,00</b>	7,5	5,5	2 x 16	65	450	119,0
LPCD/I 65-160/7,5 EDT DP	1547502113I	<b>9.948,00</b>	10	7,5	2 x 21	65	450	125,0
LPCD/I 80-160/7,5 EDT DP	1547502114I	<b>10.558,00</b>	10	7,5	2 x 21	80	510	148,0
LPCD/I 80-160/11 EDT DP	1547502115I	<b>12.090,00</b>	15	11	2 x 31	80	510	195,0
LPCD/I 100-200/11 EDT DP	1547502116I	<b>12.744,00</b>	15	11	2 x 31	100	630	233,0

\* Max. absorbed current from the inverter



# LPCD4 with E-drive



In-line twin electronic centrifugal pumps in cast iron

Selection table																			
Model	HP	kW	Q=Flow rate																
			l/min	40	50	75	100	125	150	175	200	225	250	300	350	400	450	500	600
			m <sup>3</sup> /h	2,4	3	4,5	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
H=Total head [m]																			
LPCD4 40-125/0,25 R	0,33	0,25		4,5	4,4	4,1	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	
LPCD4 40-125/0,25	0,33	0,25		-	6,2	6,0	5,7	5,2	4,5	3,9	2,8	-	-	-	-	-	-	-	
LPCD4 50-125/0,25	0,33	0,25		-	-	-	4,6	4,5	4,3	4,1	3,9	3,6	3,3	2,4	-	-	-	-	
LPCD4 50-125/0,37	0,5	0,37		-	-	-	6,3	6,2	6,1	6,0	5,8	5,6	5,3	4,6	3,0	-	-	-	
LPCD4 50-160/0,55	0,75	0,55		-	-	-	8,8	8,6	8,4	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	
LPCD4/I 65-160/0,75	1	0,75		-	-	-	-	-	6,8	6,7	6,6	6,5	6,4	6,1	5,7	5,1	4,3	3,3	
LPCD4/I 65-160/0,75	1	0,75		-	-	-	-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,6	6,0	4,0	
LPCD4/I 65-160/1,1	1,5	1,1		-	-	-	-	-	-	9,0	8,9	8,8	8,8	8,7	8,4	8,1	7,7	5,5	

Selection table																			
Model	HP	kW	Q=Flow rate																
			l/min	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000
			m <sup>3</sup> /h	18	21	24	27	30	36	42	48	54	60	66	72	78	90	105	120
H=Total head [m]																			
LPCD4/I 80-160/0,75	1	0,75		6,3	6,1	6,0	5,8	5,6	4,9	4,0	3,2	-	-	-	-	-	-	-	
LPCD4/I 80-160/1,1 R	1,5	1,1		7,3	7,2	7,1	7,0	6,8	6,3	5,6	4,8	3,8	-	-	-	-	-	-	
LPCD4/I 80-160/1,1	1,5	1,1		8,5	8,5	8,4	8,3	8,2	7,9	7,3	6,7	5,9	5,0	-	-	-	-	-	
LPCD4/I 80-160/1,5	2	1,5		10,2	10,1	10,0	9,9	9,8	9,5	9,0	8,4	7,5	6,5	-	-	-	-	-	
LPCD4/I 100-200/1,5	2	1,5		-	-	-	-	8,1	7,8	7,4	7,0	6,5	5,9	5,2	4,5	3,8	-	-	
LPCD4/I 100-200/2,2	3	2,2		-	-	-	-	10,2	10,0	9,7	9,3	9,0	8,6	8,2	7,7	7,2	6,0	-	
LPCD4/I 100-200/3	4	3		-	-	-	-	-	12,0	11,8	11,5	11,3	10,9	10,5	10,0	9,5	8,5	7,0	
LPCD4/I 100-200/4	5,5	4		-	-	-	-	-	14,3	14,2	14,0	13,8	13,4	13,1	12,7	12,2	11,0	9,0	

# LPCD4 with E-drive



In-line twin electronic centrifugal pumps in cast iron

Single phase supply inverter 230V - Three phase 230V pump								4 Poles
Model	Code	£ Stg	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD4 40-125/0,25R EDM DP	1547502301	<b>3.712,00</b>	0,33	0,25	2 x 15	40	340	52,0
LPCD4 40-125/0,25 EDM DP	1547502302	<b>3.712,00</b>	0,33	0,25	2 x 15	40	340	52,0
LPCD4 50-125/0,25 EDM DP	1547502303	<b>3.839,00</b>	0,33	0,25	2 x 15	50	365	55,0
LPCD4 50-125/0,37 EDM DP	1547502304	<b>3.851,00</b>	0,5	0,37	2 x 15	50	365	54,0
LPCD4 50-160/0,55 EDM DP	1547502305	<b>3.925,00</b>	0,75	0,55	2 x 15	50	410	61,0
LPCD4/I 65-160/0,75 R EDM DP	1547502306I	<b>4.415,00</b>	1	0,75	2 x 15	65	450	74,0
LPCD4/I 65-160/0,75 EDM DP	1547502307I	<b>4.554,00</b>	1	0,75	2 x 15	65	450	83,0
LPCD4/I 65-160/1,1 EDM DP	1547502308I	<b>4.688,00</b>	1,5	1,1	2 x 15	65	450	91,0
LPCD4/I 80-160/0,75 EDM DP	1547502309I	<b>5.148,00</b>	1	0,75	2 x 15	80	510	90,0
LPCD4/I 80-160/1,1R EDM DP	1547502310I	<b>5.306,00</b>	1,5	1,1	2 x 15	80	510	98,0
LPCD4/I 80-160/1,1 EDM DP	1547502311I	<b>5.306,00</b>	1,5	1,1	2 x 15	80	510	103,0
LPCD4/I 80-160/1,5 EDM DP	1547502312I	<b>5.455,00</b>	2	1,5	2 x 15	80	510	103,0
LPCD4/I 100-200/1,5 EDM DP	1547502313I	<b>5.772,00</b>	2	1,5	2 x 15	100	630	150,0

\* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase 400V pump								4 Poles
Model	Code	£ Stg	HP	kW	Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD4 40-125/0,25R EDT DP	1547502317	<b>4.970,00</b>	0,33	0,25	2 x 10	40	340	52,0
LPCD4 40-125/0,25 EDT DP	1547502318	<b>4.970,00</b>	0,33	0,25	2 x 10	40	340	52,0
LPCD4 50-125/0,25 EDT DP	1547502319	<b>5.098,00</b>	0,33	0,25	2 x 10	50	365	55,0
LPCD4 50-125/0,37 EDT DP	1547502320	<b>5.110,00</b>	0,5	0,37	2 x 10	50	365	54,0
LPCD4 50-160/0,55 EDT DP	1547502321	<b>5.229,00</b>	0,75	0,55	2 x 10	50	410	61,0
LPCD4/I 65-160/0,75 R EDT DP	1547502322I	<b>5.719,00</b>	1	0,75	2 x 10	65	450	74,0
LPCD4/I 65-160/0,75 EDT DP	1547502323I	<b>5.857,00</b>	1	0,75	2 x 10	65	450	83,0
LPCD4/I 65-160/1,1 EDT DP	1547502324I	<b>5.992,00</b>	1,5	1,1	2 x 10	65	450	91,0
LPCD4/I 80-160/0,75 EDT DP	1547502325I	<b>6.452,00</b>	1	0,75	2 x 10	80	510	90,0
LPCD4/I 80-160/1,1R EDT DP	1547502326I	<b>6.609,00</b>	1,5	1,1	2 x 10	80	510	98,0
LPCD4/I 80-160/1,1 EDT DP	1547502327I	<b>6.609,00</b>	1,5	1,1	2 x 10	80	510	103,0
LPCD4/I 80-160/1,5 EDT DP	1547502328I	<b>6.758,00</b>	2	1,5	2 x 10	80	510	103,0
LPCD4/I 100-200/1,5 EDT DP	1547502329I	<b>7.030,00</b>	2	1,5	2 x 10	100	630	150,0
LPCD4/I 100-200/2,2 EDT DP	1547502314I	<b>7.353,00</b>	3	2,2	2 x 10	100	630	168,0
LPCD4/I 100-200/3 EDT DP	1547502315I	<b>8.247,00</b>	4	3	2 x 13,5	100	630	182,8
LPCD4/I 100-200/4 EDT DP	1547502316I	<b>8.761,00</b>	5,5	4	2 x 13,5	100	630	200,8

\* Max. absorbed current from the inverter

	<b>1GP</b> Booster units with single phase electric pumps	<b>332</b>
	<b>2GP Domestic</b> Booster units with two three phase pumps suitable for connection to surge tanks	<b>335</b>
	<b>3GP Domestic</b> Booster units with three three phase pumps suitable for connection to surge tanks	<b>342</b>
	<b>1GPE E-power</b> Booster units with one electric pump with control unit	<b>345</b>
	<b>2GPE with E-drive - single phase</b> Booster units with two single phase pumps with inverter control unit	<b>349</b>
	<b>2GPE E-power - single phase</b> Booster units with two single phase pumps with inverter control unit	<b>350</b>
	<b>2GPE with E-drive - three phase</b> Booster units with two three phase pumps with inverter control unit	<b>351</b>
	<b>2GPE Hydrocontroller - three phase</b> Booster units with two three phase pumps with inverter control unit	<b>352</b>
	<b>3GPE with E-drive</b> Booster units with two three phase pumps with inverter control unit	<b>353</b>
	<b>2GP, 2GPE, 3GP, 3GPE Industrial</b> Industrial booster sets	<b>356</b>
	<b>FFS - FFB</b> Fire-fighting units UNI EN 12845	<b>357</b>

# 1GP



## Booster units with single phase self priming electric pump

Autoclave groups (1GP H), electric pumps suitable for the creation of an autoclave group (1GP P) and electric pump groups with control unit (1GP Presscomfort), provided with cast iron self-priming electric pumps suitable for domestic pressurisation, small-scale irrigation of gardens, the washing of vehicles and the movement of clean waters in general.



High versatility



Small dimensions

### Technical data

<b>Max. working pressure</b>	6 bar for AGA 0.60-0.75-1.00 10 bar for the rest of the range
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<b>Max. temperature of the liquid</b>	45°C
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<b>MEI</b>	> 0,4
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<b>Poles</b>	2
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<b>Insulation class</b>	F
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<b>Protection degree</b>	IP44
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<b>Voltage</b>	Single phase 230V ±10%
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### Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	in PPE+PS reinforced with fibreglass for AGA 0.60-0.75-1.00, in brass for the rest of the range
<b>Shaft</b>	AISI 304
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Alluminium



#### 1GP H

Creation with a self-priming electric pump of a pressurisation group with horizontal membrane autoclave, 24 litres, (assembly pump, autoclave, 3-way fitting, flexible, pressure gauge, pressure switch with electrical connection, + 1.5 m of power cord with plug).



#### 1GP P

Provision of a self-priming electric pump to the application of a vertical membrane autoclave (assembly of the 5-way fitting, pressure gauge, pressure switch with electrical connection, + 1.5 m with power cord with plug).



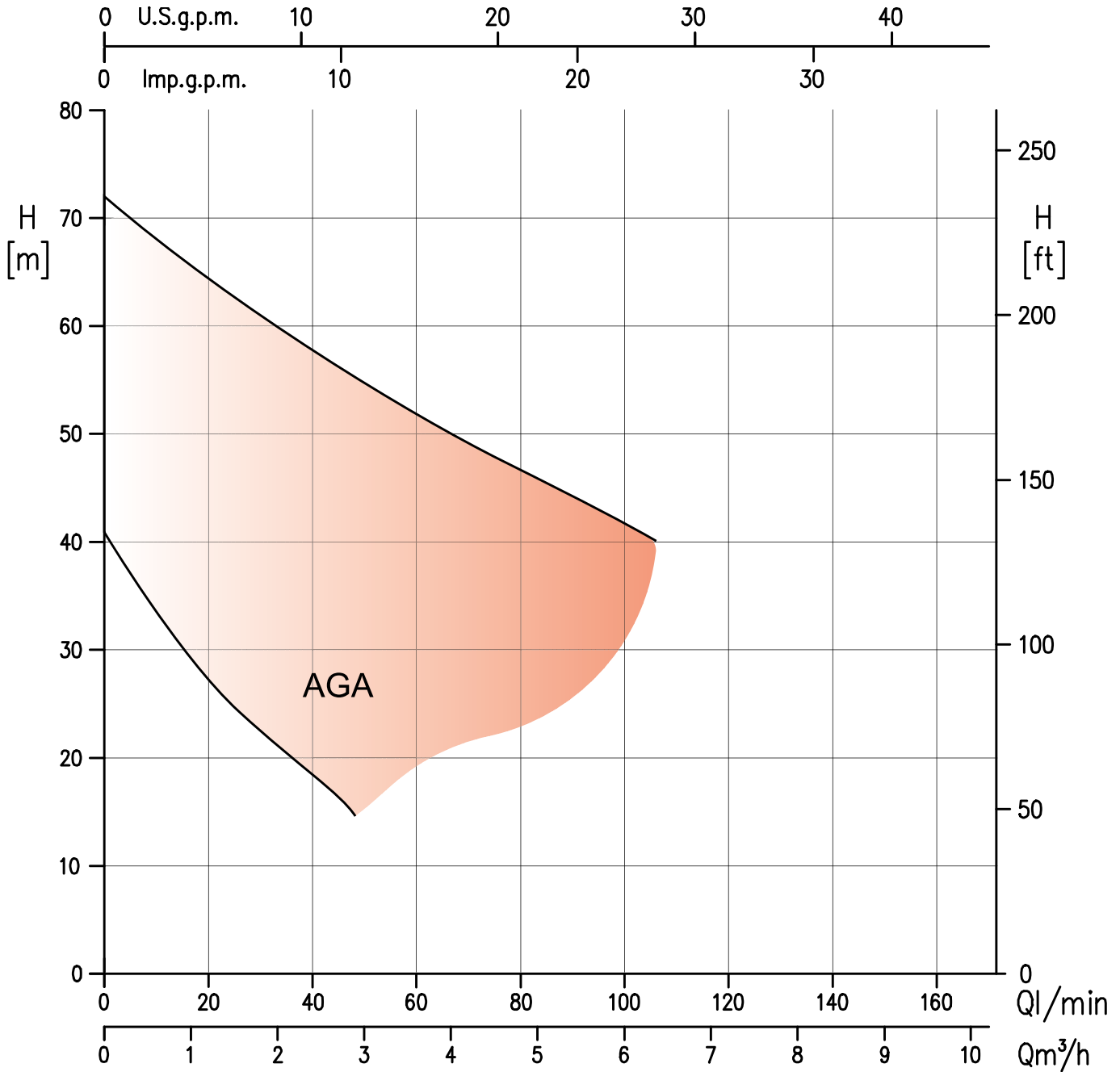
#### 1GP Presscomfort

Creation with a self-priming electric pump of a pressurisation group with Presscomfort automatic control device (assembly pump, Presscomfort with electrical connection + 1.5 m of power cord with plug).

# 1GP



Booster units with single phase self priming electric pump



Booster sets  
Fire-fighting units

# 1GP



## Booster units with single phase self priming electric pump

### 1GP H: Booster units with single phase electric pump

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
					l/min	5	10	20	30	45	50	60			
					m <sup>3</sup> /h	0,3	0,6	1,2	1,8	2,7	3	3,6			
H=Total head [m]															
1GP AGA 1.00 M - 24H	1103100000A	514,00	1	0,75		47,5	45,0	40,3	35,7	29,1	27,0	23,0	5,5	G1	G1

Booster unit with single phase electric pumps complete of 24 l horizontal tank

### 1GP P: Single phase centrifugal electric pump suitable to assembling as a booster unit

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
					l/min	5	20	30	45	60	80	100			
					m <sup>3</sup> /h	0,3	1,2	1,8	2,7	3,6	4,8	6			
H=Total head [m]															
1GP AGA 0.75 M - P	1102090000	386,00	0,75	0,55		45,0	37,9	32,0	21,9	-	-	-	4	G1	G1
1GP AGA 1.00 M - P	1102100000	409,00	1	0,75		47,5	40,3	35,7	29,1	23,0	-	-	5,5	G1	G1
1GP AGA/B 1.50 M - P	1112150000B	634,00	1,5	1,1		-	45,1	42,4	38,6	35,1	30,8	27,0	8,1	G1½	G1

Set-up with manometer, pressure switch, brass fitting and power supply cable

### 1GP Presscomfort: Booster units with one electric pump with control unit

Single phase 230V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
					l/min	5	20	30	45	60	80	100			
					m <sup>3</sup> /h	0,3	1,2	1,8	2,7	3,6	4,8	6			
H=Total head [m]															
1GP AGA 1.00M+Presscomfort	1100100300	532,00	1	0,75		47,5	45,0	40,3	35,7	29,1	27,0	23,0	5,5	G1	G1

Electric pump provided with Presscomfort: see page 363

# 2GP Domestic



## Booster units with two electric pump

Groups with three multi-stage vertical pumps for connection to membrane autoclaves, air cushion, to those with air feeder. Suitable for water supply distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



High versatility



Small dimensions

### Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid</b>	40°C for 2GP COMPACT/CVM 45°C for 2GP AGA/CDA 50°C for 2GP 2CDX/MATRIX/EVMSG
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44 for 2GP AGA/CDA/COMPACT/CVM IP55 for 2GP 2CDX/MATRIX/EVMSG
<b>Voltage</b>	Single phase 230V ±10% Three phase 400V ±10%

## Versions



### 2GP AGA

For more information about electric pump see page 20



### 2GP CDA

For more information about electric pump see page 39



### 2GP 2CDX

For more information about electric pump see page 29



### 2GP COMPACT

For more information about electric pump see page 106



### 2GP MATRIX

For more information about electric pump see page 109



### 2GP CVM

For more information about electric pump see page 113



### 2GP EVMSG

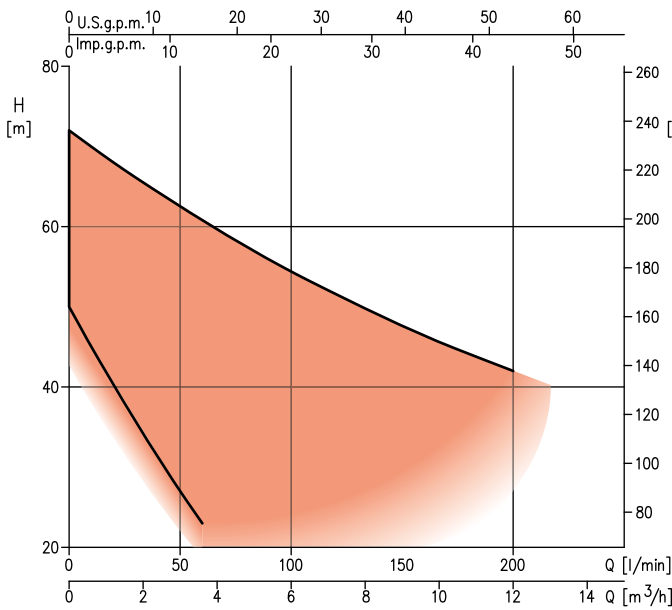
For more information about electric pump see page 121

# 2GP Domestic

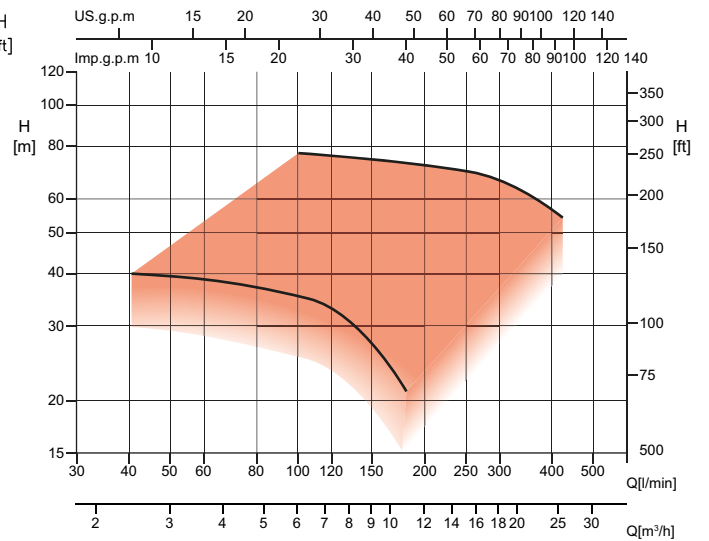


Booster units with two electric pump

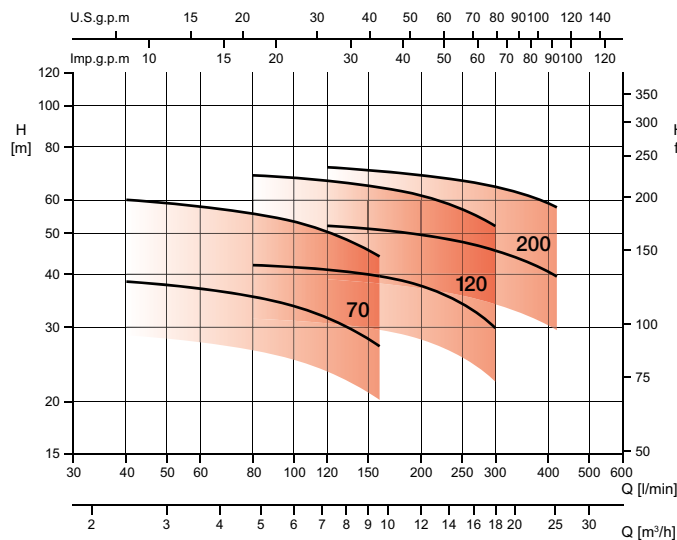
## 2GP AGA



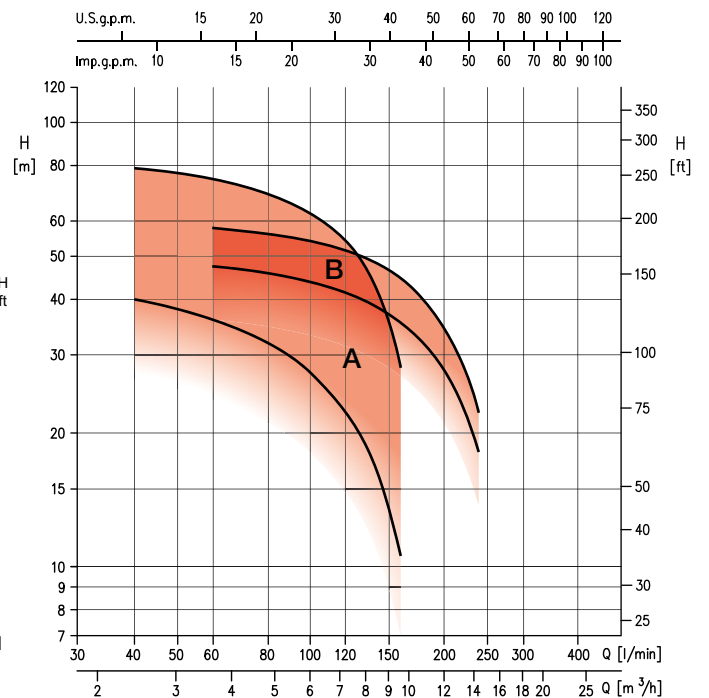
## 2GP CDA



## 2GP 2CDX



## 2GP COMPACT



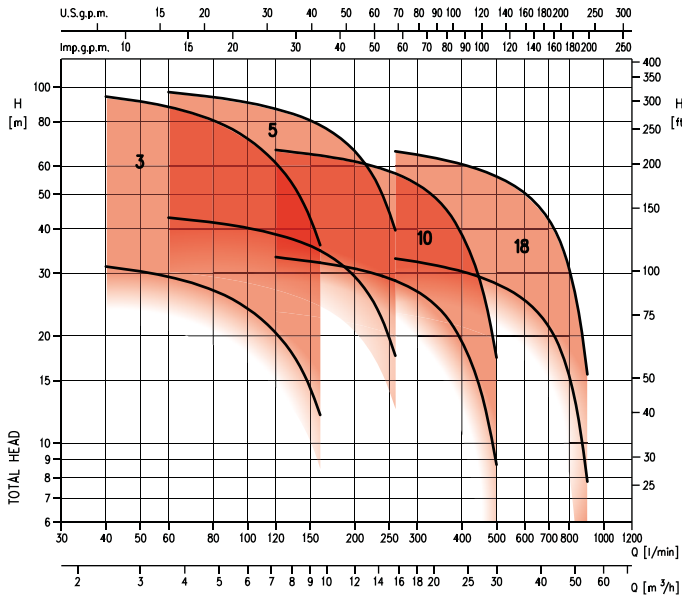


# 2GP Domestic

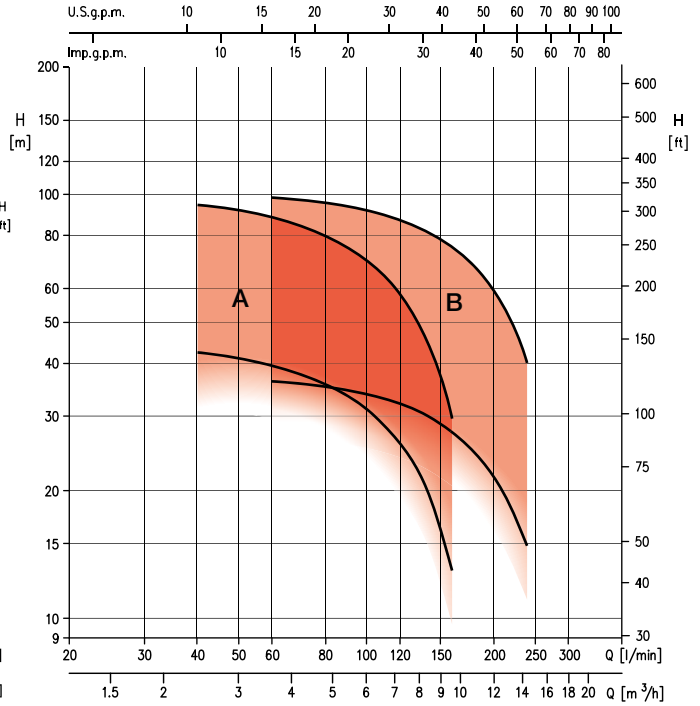
Booster units with two electric pump



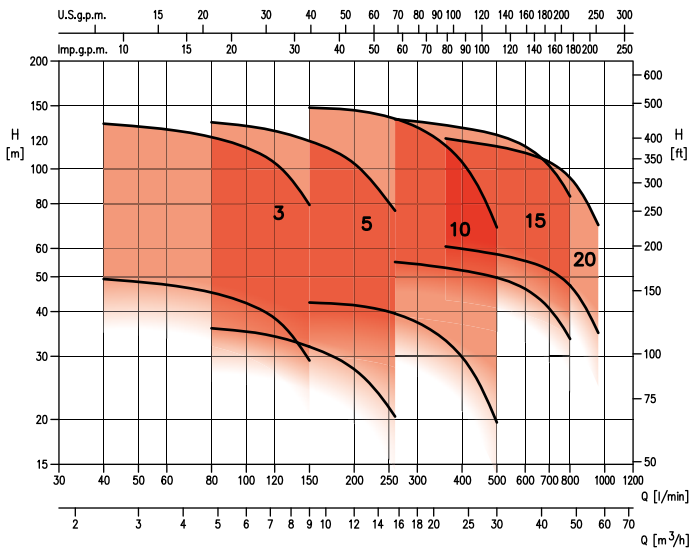
## 2GP MATRIX



## 2GP CVM



## 2GP EVMSG



# 2GP Domestic 1~



Booster units with two electric pump

2GP AGA: Booster units with two self priming electric pumps in cast iron

Single phase 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	
					I/min	10	20	60	90	120	160				200
					m³/h	0,6	1,2	3,6	5,4	7,2	9,6				12,0
H=Total head [m]															
2GP AGA 1,00M 304M	2001300000B	1.900,00	1+1	0,75+0,75	47,5	45,0	35,7	29,1	23,0	-	-	11	G1½	G1½	
2GP AGA 1,50M 304M	2001300200B	2.609,00	1,5+1,5	1,1+1,1	-	48,0	42,4	38,6	35,1	30,8	27,0	16,2	G2½	G1½	
2GP AGA 2,00M 304M	2001300100B	2.697,00	2+2	1,5+1,5	-	59,0	52,2	47,3	42,5	36,4	30,5	19,6	G2½	G1½	

2GP CDA: Booster units with two twin impeller electric pumps in cast iron

Single phase 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	
					I/min	40	80	100	160	180	200				220
					m³/h	2,4	4,8	6,0	9,6	10,8	12,0				13,2
H=Total head [m]															
2GP CDA 1,00M	2001150200A	1.989,00	1+1	0,75+0,75	39,5	37,0	35,2	27,0	21,0	-	-	12,2	G1½	G1½	
2GP CDA 1,50M	2001150100A	2.534,00	1,5+1,5	1,1+1,1	50,8	48,8	47,1	38,4	33,4	27,5	-	18	G2	G1½	
2GP CDA 2,00M	2001150000A	2.603,00	2+2	1,5+1,5	60,5	58,6	56,9	49,8	46,5	40,3	32,5	21,6	G2	G1½	

2GP 2CDX: Booster units with two twin impeller electric pumps with AISI 304 hydraulic

Single phase 230V											2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM
					I/min	40	80	120	160	240	300			
					m³/h	2,4	4,8	7,2	9,6	14,4	18,0			
H=Total head [m]														
2GP 2CDX 70/10M	2001200300A	2.519,00	1+1	0,75+0,75	38,5	35,3	31,5	27,0	-	-	12	G2	G1½	
2GP 2CDX 70/12M	2001200200A	2.559,00	1,2+1,2	0,9+0,9	44,5	40,3	35,5	30,0	-	-	14	G2	G1½	
2GP 2CDX 70/15M	2001200100A	2.738,00	1,5+1,5	1,1+1,1	52,5	48,0	42,8	36,5	-	-	16,2	G2	G1½	
2GP 2CDX 70/20M	2001200000A	2.818,00	2+2	1,5+1,5	60,0	55,6	50,4	44,0	-	-	20	G2	G1½	
2GP 2CDX 120/15M	2001200500A	2.779,00	1,5+1,5	1,1+1,1	-	42,0	41,0	39,5	35,0	30,0	16,6	G2	G2	
2GP 2CDX 120/20M	2001200400A	2.801,00	2+2	1,5+1,5	-	51,5	49,5	47,4	41,8	36,5	20,4	G2	G2	

2GP COMPACT: Booster units with two horizontal multistage pumps in cast iron

Single phase 230V											2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM
					I/min	40	60	80	100	120	160			
					m³/h	2,4	3,6	4,8	6,0	7,2	9,6			
H=Total head [m]														
2GP COMPACT A/8M	2001050100A	1.950,00	0,8+0,8	0,6+0,6	39,7	36,1	32,0	27,4	22,4	10,5	8	G1½	G1½	
2GP COMPACT A/10M	2001050400A	2.121,00	1+1	0,75+0,75	56,5	53,0	48,5	43,5	37,1	20,0	12	G1½	G1½	
2GP COMPACT A/12M	2001050300A	2.226,00	1,1+1,1	0,88+0,88	67,5	63,5	58,5	52,5	45,0	24,0	12,4	G1½	G1½	
2GP COMPACT A/15M	2001050200A	2.248,00	1,5+1,5	1,1+1,1	79,0	74,5	69,0	62,5	54,0	28,0	14,6	G1½	G1½	
2GP COMPACT B/12M	2001050500A	2.258,00	1,1+1,1	0,88+0,88	-	47,5	46,0	43,5	41,5	35,2	11,6	G2	G1½	
2GP COMPACT B/15M	2001050600A	2.300,00	1,5+1,5	1,1+1,1	-	58,0	56,0	54,0	51,5	44,5	14,6	G2	G1½	

# 2GP Domestic 1~



Booster units with two electric pump

2GP MATRIX: Booster units with two horizontal multistage pumps in AISI 304

Single phase 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
					l/min	40	60	90	120	160	260	400			
					m³/h	2,4	3,6	5,4	7,2	9,6	15,6	24,0			
H=Total head [m]															
2GP MATRIX 3-4T/0,65M 304M	2001700000B	<b>2.333,00</b>	0,9+0,9	0,65+0,65		42,0	39,1	34,0	27,2	16,0	-	-	9	G1½	G1½
2GP MATRIX 3-5T/0,75M 304M	2001700100B	<b>2.428,00</b>	1+1	0,75+0,75		52,5	49,0	42,5	34,0	20,0	-	-	10,8	G1½	G1½
2GP MATRIX 3-6T/0,9M 304M	2001700200B	<b>2.750,00</b>	1,2+1,2	0,9+0,9		62,5	58,5	51,0	41,0	24,0	-	-	11,4	G1½	G1½
2GP MATRIX 3-7T/1,3M 304M	2001700300B	<b>3.000,00</b>	1,8+1,8	1,3+1,3		73,0	68,5	59,5	47,5	28,0	-	-	15,6	G1½	G1½
2GP MATRIX 3-8T/1,3M 304M	2001700400B	<b>3.071,00</b>	1,8+1,8	1,3+1,3		83,5	78,0	68,0	54,5	32,0	-	-	15,6	G1½	G1½
2GP MATRIX 3-9T/1,5M 304M	2001700500B	<b>3.194,00</b>	2+2	1,5+1,5		94,0	88,0	76,5	61,0	36,0	-	-	17,4	G1½	G1½
2GP MATRIX 5-4T/0,9M 304M	2001700600B	<b>2.542,00</b>	1,2+1,2	0,9+0,9		-	43,0	41,0	38,6	34,7	17,6	-	11,4	G2	G1½
2GP MATRIX 5-5T/1,3M 304M	2001700700B	<b>2.755,00</b>	1,8+1,8	1,3+1,3		-	54,0	51,0	48,5	43,5	22,0	-	15,6	G2	G1½
2GP MATRIX 5-6T/1,3M 304M	2001700800B	<b>2.848,00</b>	1,8+1,8	1,3+1,3		-	64,5	61,5	58,0	52,0	26,4	-	15,6	G2	G1½
2GP MATRIX 5-7T/1,5M 304M	2001700900B	<b>3.208,00</b>	2+2	1,5+1,5		-	75,5	72,0	67,5	61,0	30,8	-	17,4	G2	G1½
2GP MATRIX 5-8T/2,2M 304M	2001701000B	<b>3.447,00</b>	3+3	2,2+2,2		-	86,0	82,0	77,0	69,5	35,2	-	26	G2	G1½
2GP MATRIX 5-9T/2,2M 304M	2001701100B	<b>3.861,00</b>	3+3	2,2+2,2		-	97,0	92,0	87,0	78,0	39,6	-	26	G2	G1½
2GP MATRIX 10-3T/1,3M 304M	2001701200B	<b>2.880,00</b>	1,8+1,8	1,3+1,3		-	-	-	33,3	32,1	28,6	19,3	15,6	G2½	G2½
2GP MATRIX 10-4T/1,5M 304M	2001701300B	<b>2.997,00</b>	2+2	1,5+1,5		-	-	-	44,5	43,0	38,1	25,7	17,4	G2½	G2½
2GP MATRIX 10-5T/2,2M 304M	2001701400B	<b>3.595,00</b>	3+3	2,2+2,2		-	-	-	55,5	53,5	47,5	32,1	26	G2½	G2½
2GP MATRIX 10-6T/2,2M 304M	2001701500B	<b>3.876,00</b>	3+3	2,2+2,2		-	-	-	66,5	64,5	57,0	38,5	26	G2½	G2½
2GP MATRIX 18-3T/2,2M 304M	2001701600B	<b>4.255,00</b>	3+3	2,2+2,2		-	-	-	-	-	33,0	30,4	26	G3	G3

2GP CVM: Booster units with two vertical multistage pumps in cast iron

Single phase 230V											2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	
					l/min	40	60	80	100	120	160	200				240
					m³/h	2,4	3,6	4,8	6,0	7,2	9,6	12,0				14,4
H=Total head [m]																
2GP CVM A/8M 304M	2001650300B	<b>2.780,00</b>	0,8+0,8	0,6+0,6		42,5	39,4	35,6	31,1	25,9	12,8	-	-	8	G2	G2
2GP CVM A/10M 304M	2001650400B	<b>2.930,00</b>	1+1	0,75+0,75		57,5	54,0	49,5	43,5	36,6	19,5	-	-	12	G2	G2
2GP CVM A/12M 304M	2001650200B	<b>3.000,00</b>	1,2+1,2	0,9+0,9		69,0	65,0	59,5	52,5	44,0	23,4	-	-	13	G2	G2
2GP CVM A/15M 304M	2001650500B	<b>3.037,00</b>	1,5+1,5	1,1+1,1		80,5	75,5	69,5	61,0	51,0	27,3	-	-	14,4	G2	G2
2GP CVM A/18M 304M	2001650600B	<b>3.278,00</b>	1,8+1,8	1,3+1,3		94,5	88,0	80,0	70,0	58,5	28,8	-	-	15,6	G2	G2
2GP CVM B/10M 304M	2001650700B	<b>2.862,00</b>	1+1	0,75+0,75		-	36,2	35,1	33,7	32,0	27,5	21,6	14,7	11,2	G2	G2
2GP CVM B/12M 304M	2001650100B	<b>2.913,00</b>	1,2+1,2	0,9+0,9		-	48,0	46,8	45,0	42,6	36,6	28,8	19,6	12,4	G2	G2
2GP CVM B/15M 304M	2001650000B	<b>2.968,00</b>	1,5+1,5	1,1+1,1		-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	14,8	G2	G2
2GP CVM B/20M 304M	2001650800B	<b>3.213,00</b>	2+2	1,5+1,5		-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	16,6	G2	G2
2GP CVM B/23M 304M	2001650900B	<b>3.281,00</b>	2,3+2,3	1,7+1,7		-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	19,2	G2	G2

2GP EVMSG: Booster units with two vertical multistage pumps in cast iron

Single phase 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNA	DNM		
					l/min	40	60	80	120	150					
					m³/h	2,4	3,6	4,8	7,2	9,0					
H=Total head [m]															
2GP EVMSG3 7N5/0,75M 304M	2001880015B	<b>on request</b>	0,75+0,75	1+1		49,5	47,5	45	38,3	29,2			10,6	G1½	G1½
2GP EVMSG3 9N5/1,1M 304M	2001880016B	<b>on request</b>	1,1+1,1	1,5+1,5		63,5	61	58	49	37,6			13	G1½	G1½

Booster sets  
Fire-fighting units

# 2GP Domestic 3~



Booster units with two electric pump

2GP AGA: Booster units with two self priming electric pumps in cast iron

Three phase 400V													2 Poles		
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM
					l/min	10	40	60	90	120	160	200			
					m³/h	0,6	2,4	3,6	5,4	7,2	9,6	12,0			
H=Total head [m]															
2GP AGA 1,00 304M	2001300004M	2.175,00	1+1	0,75+0,75		47,5	40,3	35,7	29,1	23,0	-	-	3,4	G1½	G1½
2GP AGA 1,50 304M	2001300204M	3.009,00	1,5+1,5	1,1+1,1		-	45,1	42,4	38,6	35,1	30,8	27,0	6,6	G2½	G1½
2GP AGA 2,00 304M	2001300104M	2.903,00	2+2	1,5+1,5		-	55,6	52,2	47,3	42,5	36,4	30,5	6,6	G2½	G1½
2GP AGA 3,00 304M	2001300314M	2.958,00	3+3	2,2+2,2		-	64,3	60,8	55,9	51,6	46,4	42,0	9,4	G2½	G1½

2GP CDA: Booster units with two twin impeller electric pumps in cast iron

Three phase 400V													2 Poles					
Model	Code	£ Stg	HP	kW	Q=Flow rate										Abs. Curr. [A] 400V	DNA	DNM	
					l/min	40	80	100	180	200	220	280	340	380				420
					m³/h	2,4	4,8	6,0	10,8	12,0	13,2	16,8	20,4	22,8				25,2
H=Total head [m]																		
2GP CDA 1,00 304M	2001150204M	2.312,00	1+1	0,75+0,75		39,5	37,0	35,2	21,0	-	-	-	-	-	3,4	G1½	G1½	
2GP CDA 1,50 304M	2001150104M	2.768,00	1,5+1,5	1,1+1,1		50,8	48,8	47,1	33,4	27,5	-	-	-	-	6,6	G2	G1½	
2GP CDA 2,00 304M	2001150004M	2.827,00	2+2	1,5+1,5		60,5	58,6	56,9	46,5	40,3	32,5	-	-	-	8,2	G2	G1½	
2GP CDA 3,00 304M	2001150304M	3.054,00	3+3	2,2+2,2		-	60,5	59,3	51,6	48,4	44,6	32,0	-	-	9,4	G2	G2	
2GP CDA 4,00 304M	2001150404M	4.111,00	4+4	3+3		-	-	67,0	63,9	62,5	62,0	58,0	53,5	48,0	12,8	G2½	G2	
2GP CDA 5,50 304M	2001150504M	4.218,00	5,5+5,5	4+4		-	-	76,5	72,9	71,8	70,5	66,8	62,0	58,3	17,4	G2½	G2	

2GP 2CDX: Booster units with two twin impeller electric pumps with AISI 304 hydraulic

Three phase 400V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM	
					l/min	40	80	120	160	240	300	360				420
					m³/h	2,4	4,8	7,2	9,6	14,4	18,0	21,6				25,2
H=Total head [m]																
2GP 2CDX 70/10 304M	2001200304M	2.795,00	1+1	0,75+0,75		38,5	35,3	31,5	27,0	-	-	-	-	3,4	G2	G1½
2GP 2CDX 70/12 304M	2001200204M	2.824,00	1,2+1,2	0,9+0,9		44,5	40,3	35,5	30,0	-	-	-	-	5	G2	G1½
2GP 2CDX 70/15 304M	2001200104M	2.988,00	1,5+1,5	1,1+1,1		52,5	48,0	42,8	36,5	-	-	-	-	6,6	G2	G1½
2GP 2CDX 70/20 304M	2001200904M	3.051,00	2+2	1,5+1,5		60,0	55,6	50,4	44,0	-	-	-	-	8,2	G2	G1½
2GP 2CDX 120/15 304M	2001201404M	2.988,00	1,5+1,5	1,1+1,1		-	42,0	41,0	39,5	35,0	30,0	-	-	6,6	G2	G2
2GP 2CDX 120/20 304M	2001200404M	3.003,00	2+2	1,5+1,5		-	51,5	49,5	47,4	41,8	36,5	-	-	8,2	G2	G2
2GP 2CDX 120/30 304M	2001200704M	3.386,00	3+3	2,2+2,2		-	59,0	57,0	54,6	49,2	44,0	-	-	9,4	G2	G2
2GP 2CDX 120/40 304M	2001201304M	3.716,00	4+4	3+3		-	68,5	66,5	64,0	58,0	52,0	-	-	12,8	G2	G2
2GP 2CDX 200/30 304M	2001200604M	3.517,00	3+3	2,2+2,2		-	-	52,0	50,8	48,1	45,5	42,7	39,5	9,4	G2½	G2
2GP 2CDX 200/40 304M	2001200804M	3.716,00	4+4	3+3		-	-	62,5	61,1	58,0	55,2	52,3	49,0	12,8	G2½	G2
2GP 2CDX 200/50 304M	2001201204M	3.959,00	5,5+5,5	4+4		-	-	71,5	70,1	67,0	64,3	61,2	57,5	17,4	G2½	G2

2GP COMPACT: Booster units with two horizontal multistage pumps in cast iron

Three phase 400V													2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM	
					l/min	40	60	80	100	120	160	200				240
					m³/h	2,4	3,6	4,8	6,0	7,2	9,6	12,0				14,4
H=Total head [m]																
2GP COMPACT A/8 304M	2001050104B	2.223,00	0,8+0,8	0,6+0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	-	3	G1½	G1½
2GP COMPACT A/10 304M	2001050401M	2.417,00	1+1	0,75+0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	-	3,4	G1½	G1½
2GP COMPACT A/12 304M	2001050304M	2.494,00	1,2+1,2	0,9+0,9		67,5	63,5	58,5	52,5	45,0	24,0	-	-	5	G1½	G1½
2GP COMPACT A/15 304M	2001050201M	2.545,00	1,5+1,5	1,1+1,1		79,0	74,5	69,0	62,5	54,0	28,0	-	-	5	G1½	G1½
2GP COMPACT B/12 304M	2001050501M	2.529,00	1,2+1,2	0,9+0,9		-	47,5	46,0	43,5	41,5	35,2	27,6	18,0	5	G2	G1½
2GP COMPACT B/15 304M	2001050601M	2.579,00	1,5+1,5	1,1+1,1		-	58,0	56,0	54,0	51,5	44,5	34,5	22,0	5	G2	G1½



# 2GP Domestic 3~

Booster units with two electric pump

2GP MATRIX: Booster units with two horizontal multistage pumps in AISI 304

Three phase 400V											2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNA	DNM	
					l/min	40	60	120	160	260	320	500	600				900
					m³/h	2,4	3,6	7,2	9,6	15,6	19,2	30,0	36,0				54,0
H=Total head [m]																	
2GP MATRIX 3-4T/0,65 304M	2001700004B	2.556,00	0,9+0,9	0,65+0,65		42,0	39,1	27,2	16,0	-	-	-	-	-	3,2	G1½	G1½
2GP MATRIX 3-5T/0,75 304M	2001700104M	2.702,00	1+1	0,75+0,75		52,5	49,0	34,0	20,0	-	-	-	-	-	3,4	G1½	G1½
2GP MATRIX 3-6T/0,9 304M	2001700204M	2.802,00	1,2+1,2	0,9+0,9		62,5	58,5	41,0	24,0	-	-	-	-	-	5	G1½	G1½
2GP MATRIX 3-7T/1,3 304M	2001700304M	3.275,00	1,8+1,8	1,3+1,3		73,0	68,5	47,5	28,0	-	-	-	-	-	6,6	G1½	G1½
2GP MATRIX 3-8T/1,3 304M	2001700404M	3.359,00	1,8+1,8	1,3+1,3		83,5	78,0	54,5	32,0	-	-	-	-	-	6,6	G1½	G1½
2GP MATRIX 3-9T/1,5 304M	2001700504M	3.462,00	2+2	1,5+1,5		94,0	88,0	61,0	36,0	-	-	-	-	-	7,6	G1½	G1½
2GP MATRIX 5-4T/0,9 304M	2001700604M	2.814,00	1,2+1,2	0,9+0,9		-	43,0	38,6	34,7	17,6	-	-	-	-	5	G2	G1½
2GP MATRIX 5-5T/1,3 304M	2001700704M	3.030,00	1,8+1,8	1,3+1,3		-	54,0	48,5	43,5	22,0	-	-	-	-	6,6	G2	G1½
2GP MATRIX 5-6T/1,3 304M	2001700804M	3.120,00	1,8+1,8	1,3+1,3		-	64,5	58,0	52,0	26,4	-	-	-	-	6,6	G2	G1½
2GP MATRIX 5-7T/1,5 304M	2001700904M	3.494,00	2+2	1,5+1,5		-	75,5	67,5	61,0	30,8	-	-	-	-	7,6	G2	G1½
2GP MATRIX 5-8T/2,2 304M	2001701004M	3.612,00	3+3	2,2+2,2		-	86,0	77,0	69,5	35,2	-	-	-	-	9,4	G2	G1½
2GP MATRIX 5-9T/2,2 304M	2001701104M	3.701,00	3+3	2,2+2,2		-	97,0	87,0	78,0	39,6	-	-	-	-	9,4	G2	G1½
2GP MATRIX 10-3T/1,3 304M	2001701204M	3.146,00	1,8+1,8	1,3+1,3		-	-	33,3	32,1	28,6	25,5	8,7	-	-	6,6	G2½	G2½
2GP MATRIX 10-4T/1,5 304M	2001701304M	3.263,00	2+2	1,5+1,5		-	-	44,5	43,0	38,1	34,0	11,6	-	-	7,6	G2½	G2½
2GP MATRIX 10-5T/2,2 304M	2001701404M	3.472,00	3+3	2,2+2,2		-	-	55,5	53,5	47,5	42,5	14,5	-	-	9,4	G2½	G2½
2GP MATRIX 10-6T/2,2 304M	2001701504M	3.800,00	3+3	2,2+2,2		-	-	66,5	64,5	57,0	51,0	17,4	-	-	9,4	G2½	G2½
2GP MATRIX 18-3T/2,2 304M	2001701604M	4.418,00	3+3	2,2+2,2		-	-	-	-	33,0	31,9	28,1	25,2	7,8	9,4	G3	G3
2GP MATRIX 18-4T/3 304M	2001701704M	4.895,00	4+4	3+3		-	-	-	-	44,0	42,5	37,4	33,6	10,4	12,8	G3	G3
2GP MATRIX 18-5T/4 304M	2001701804M	5.508,00	5,5+5,5	4+4		-	-	-	-	55,0	53,0	47,0	42,0	13,0	17,4	G3	G3
2GP MATRIX 18-6T/4 304M	2001701904M	5.858,00	5,5+5,5	4+4		-	-	-	-	66,0	64,0	56,0	50,5	15,6	17,4	G3	G3

2GP CVM: Booster units with two vertical multistage pumps in cast iron

Three phase 400V											2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNA	DNM	
					l/min	40	60	80	100	120	160	200	240				
					m³/h	2,4	3,6	4,8	6,0	7,2	9,6	12,0	14,4				
H=Total head [m]																	
2GP CVM A/8 304M	2001650304B	3.008,00	0,8+0,8	0,6+0,6		42,5	39,4	35,6	31,1	25,9	12,8	-	-	-	3,2	G2	G2
2GP CVM A/10 304M	2001650404M	3.213,00	1+1	0,75+0,75		57,5	54,0	49,5	43,5	36,6	19,5	-	-	-	3,4	G2	G2
2GP CVM A/12 304M	2001650204M	3.263,00	1,2+1,2	0,9+0,9		69,0	65,0	59,5	52,5	44,0	23,4	-	-	-	5	G2	G2
2GP CVM A/15 304M	2001650504M	3.316,00	1,5+1,5	1,1+1,1		80,5	75,5	69,5	61,0	51,0	27,3	-	-	-	5	G2	G2
2GP CVM A/18 304M	2001650604M	3.554,00	1,8+1,8	1,3+1,3		94,5	88,0	80,0	70,0	58,5	28,8	-	-	-	6,4	G2	G2
2GP CVM B/10 304M	2001650704M	3.145,00	1+1	0,75+0,75		-	36,2	35,1	33,7	32,0	27,5	21,6	14,7	-	3,4	G2	G2
2GP CVM B/12 304M	2001650104M	3.184,00	1,2+1,2	0,9+0,9		-	48,0	46,8	45,0	42,6	36,6	28,8	19,6	-	5	G2	G2
2GP CVM B/15 304M	2001650004M	3.238,00	1,5+1,5	1,1+1,1		-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	-	5	G2	G2
2GP CVM B/20 304M	2001650804M	3.482,00	2+2	1,5+1,5		-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	-	7,6	G2	G2
2GP CVM B/23 304M	2001650904M	3.534,00	2,3+2,3	1,7+1,7		-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	-	8,2	G2	G2
2GP CVM B/25 304M	2001651004M	3.605,00	2,5+2,5	1,85+1,85		-	98,5	96,0	92,0	87,0	74,5	59,0	41,0	-	9,4	G2	G2

2GP EVMSG: Booster units with two vertical multistage pumps in cast iron

Three phase 400V											2 Poles						
Model	Code	£ Stg	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNA	DNM	
					l/min	40	80	120	150	260	300	360	500				
					m³/h	2,4	4,8	7,2	9,0	15,6	18,0	21,6	30,0				
H=Total head [m]																	
2GP EVMSG3 9N5/1,1 304M	2001881003B	on request	1,5+1,5	1,1+1,1		63,5	58,0	49,0	37,6	-	-	-	-	-	5	G1½	G1½
2GP EVMSG5 7N5/1,5 304M	2001881004B	on request	2+2	1,5+1,5		-	81,0	77,0	72,0	46,0	-	-	-	-	6,6	G2	G2
2GP EVMSG10 6N5/2,2 304M	2001881005B	on request	3+3	2,2+2,2		-	-	-	63,5	59,0	56,0	50,0	29,5	-	9,4	G2½	G2½

Booster sets  
Fire-fighting units

# 3GP Domestic 3~



## Booster units with three electric pump

Groups with three multi-stage vertical pumps for connection to membrane autoclaves, air cushion, to those with air feeder. Suitable for water supply distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



### Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 2GP CVM 50°C for 2GP EVMSG
Poles	2
Insulation class	F
Protection degree	IP44 for 2GP CVM IP55 for 2GP EVMS
Voltage	Three phase 400V ±10%



High versatility



Small dimensions

### Versions



#### 3GP CVM

For more information about electric pump see page 113



#### 3GP EVMSG

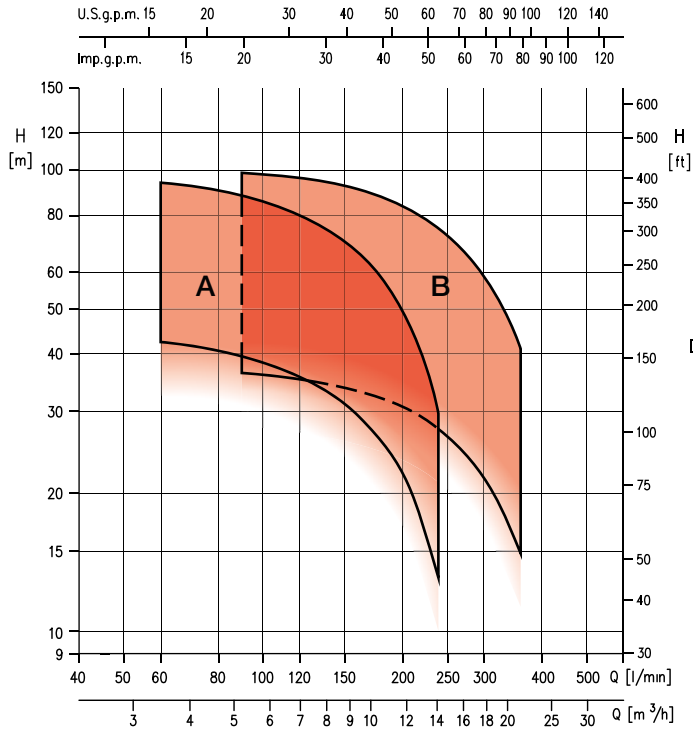
For more information about electric pump see page 121

# 3GP Domestic 3~

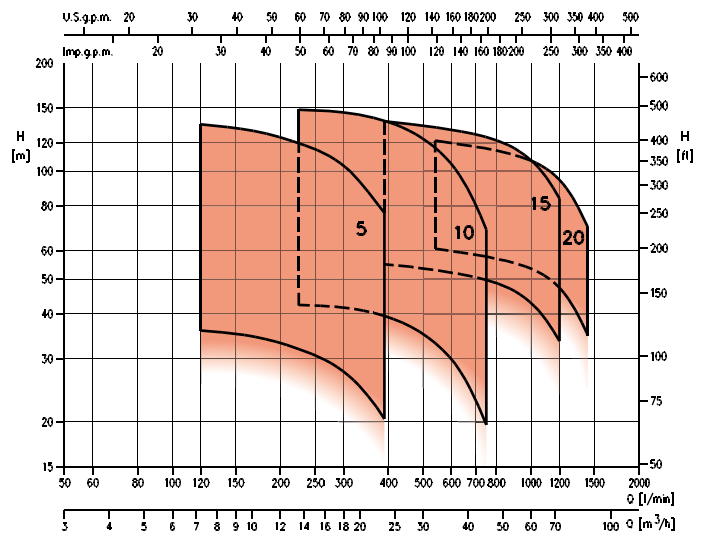
Booster units with three electric pump



## 3GP CVM



## 3GP EVMSG



# 3GP Domestic 3~



Booster units with three electric pump

2GP CVM: Booster units with two vertical multistage pumps in cast iron

Three phase 400V											2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA DNM
					l/min	60	90	120	150	180	240	360		
					m <sup>3</sup> /h	3,6	5,4	7,2	9,0	10,8	14,4	21,6		
H=Total head [m]														
3GP CVM A/8 304M	2009650005B	5.436,00	0,8+0,8+0,8	0,6+0,6+0,6		42,5	39,4	35,6	31,1	25,9	12,8	-	4,8	G2½
3GP CVM A/10 304M	2009650006M	5.742,00	1+1+1	0,75+0,75+0,75		57,5	54,0	49,5	43,5	36,6	19,5	-	5,1	G2½
3GP CVM A/12 304M	2009650007M	5.809,00	1,2+1,2+1,2	0,9+0,9+0,9		69,0	65,0	59,5	52,5	44,0	23,4	-	7,5	G2½
3GP CVM A/15 304M	2009650008M	5.878,00	1,5+1,5+1,5	1,1+1,1+1,1		80,5	75,5	69,5	61,0	51,0	27,3	-	7,5	G2½
3GP CVM A/18 304M	2009650009M	6.397,00	1,8+1,8+1,8	1,3+1,3+1,3		94,5	88,0	80,0	70,0	58,5	28,8	-	9,9	G2½
3GP CVM B/10 304M	2009650014M	5.841,00	1+1+1	0,75+0,75+0,75		-	36,2	35,1	33,7	32,0	27,5	14,7	5,1	G2½
3GP CVM B/12 304M	2009650004M	5.903,00	1,2+1,2+1,2	0,9+0,9+0,9		-	48,0	46,8	45,0	42,6	36,6	19,6	7,5	G2½
3GP CVM B/15 304M	2009650011M	5.951,00	1,5+1,5+1,5	1,1+1,1+1,1		-	60,5	58,5	56,2	53,3	45,8	24,5	7,5	G2½
3GP CVM B/20 304M	2009650000M	6.303,00	2+2+2	1,5+1,5+1,5		-	74,0	72,0	69,0	65,5	56,0	30,6	11,4	G2½
3GP CVM B/23 304M	2009650012M	6.397,00	2,3+2,3+2,3	1,7+1,7+1,7		-	86,0	84,0	80,5	76,5	65,5	35,7	12,3	G2½
3GP CVM B/25 304M	2009650013M	6.478,00	2,5+2,5+2,5	1,85+1,85+1,85		-	98,5	96,0	92,0	87,0	74,5	41,0	14,1	G2½

2GP EVMSG: Booster units with two vertical multistage pumps in cast iron

Three phase 400V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA DNM	
					l/min	80	120	150	200	260	360	400			500
					m <sup>3</sup> /h	4,8	7,2	9,0	12,0	15,6	21,6	24,0			30,0
H=Total head [m]															
3GP EVMSG5 7N5/1,5 304M	2009661001B	on request	2+2+2	1,5+1,5+1,5		63,0	59,5	56,0	48,5	35,7	-	-	-	9,9	G2½
3GP EVMSG5 8N5/2,2 304M	2009661002B	on request	3+3+3	2,2+2,2+2,2		72,0	68,0	64,0	55,0	41,0	-	-	-	14,1	G2½
3GP EVMSG10 6N5/2,2 304M	2009661003B	on request	3+3+3	2,2+2,2+2,2		-	-	63,5	62,5	59,0	50,0	45,0	29,5	14,1	G3
3GP EVMSG10 7N5/3 304M	2009661004B	on request	4+4+4	3+3+3		-	-	74,0	73,0	69,0	58,0	52,0	34,4	19,2	G3

Three phase 400V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA DNM	
					l/min	260	360	400	500	600	700	800			960
					m <sup>3</sup> /h	15,6	21,6	24,0	30,0	36,0	42,0	48,0			57,6
H=Total head [m]															
3GP EVMSG15 4N5/4 304M	2009661005B	on request	5,5+5,5+5,5	4+4+4		55	53	52	50	46,5	41	33,6	-	26,1	DN100
3GP EVMSG15 5N5/5,5 304M	2009661006B	on request	7,5+7,5+7,5	5,5+5,5+5,5		69	66	65	62	58	51	42	-	31,2	DN100
3GP EVMSG15 6N5/5,5 304M	2009661007B	on request	7,5+7,5+7,5	5,5+5,5+5,5		82,5	79,5	78	74,5	69,5	61	50,5	-	31,2	DN100
3GP EVMSG20 4N5/5,5 304M	2009661008B	on request	7,5+7,5+7,5	5,5+5,5+5,5		-	61	60	58	55,4	52,3	47,3	34,9	31,2	DN100



# 1GPE E-power



## Booster units with single phase electric pump assembled with inverter

Inverter-controlled groups with a horizontal multi-stage electrical pump, ideal for applications such as the water supply for distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



High  
versatility



Small  
dimensions

### Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 2GP COMPACT 50°C for 2GP MATRIX
Poles	2
Insulation class	F
Protection degree	IP44 for 2GP COMPACT IP55 for 2GP MATRIX
Voltage	Single phase 230V $\pm$ 10%



### Inverter E-power

For more information about E-power see page 362

## Versions



### 1GPE MATRIX with E-power

For more information  
about electric pump  
see page 109



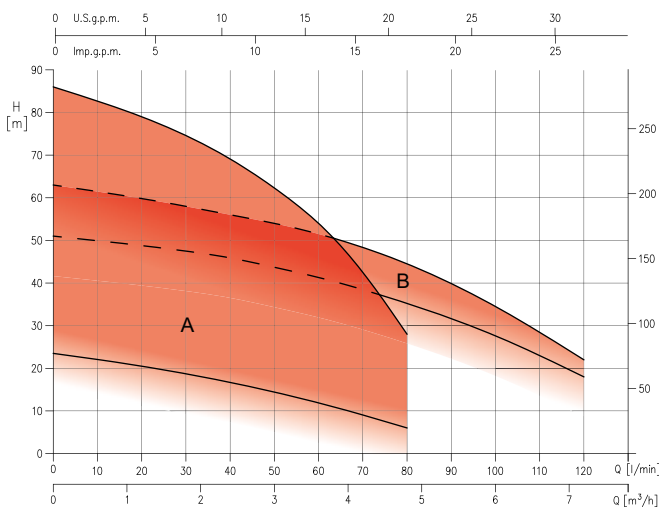
### 1GPE COMPACT with E-power

For more information  
about electric pump  
see page 106

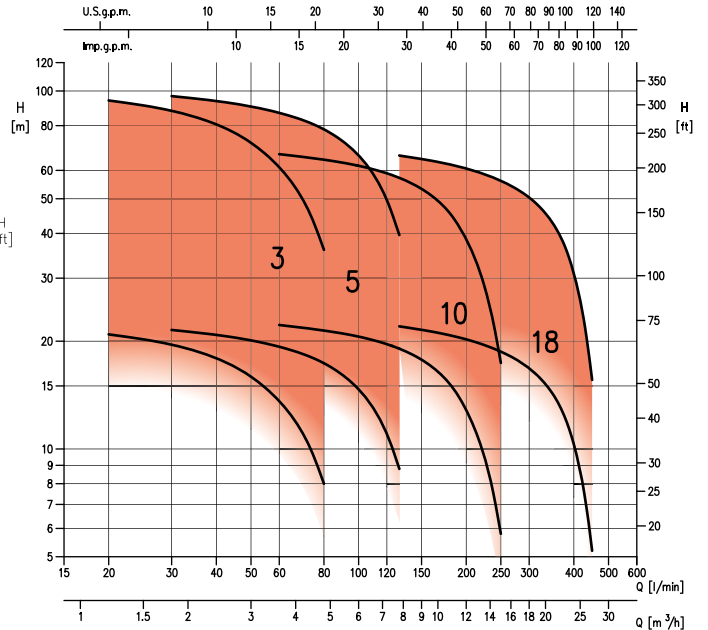
# 1GPE E-power

Booster units with single phase electric pump assembled with inverter

## 1GPE Compact



## 1GPE Matrix



**1GPE COMPACT:** Booster sets with one horizontal multistage electric pump in cast iron assembled with inverter

Single phase 230V						2 Poles									
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM
					H=Total head [m]										
					l/min	20	30	40	50	60	80	120			
m³/h	1,2	1,8	2,4	3	3,6	4,8	7,2								
1GPE COMPACT/I A/10I EPW OT	2001480011I	on request	1	0,75	56,5	53,0	48,5	43,5	37,1	20,0	-	10	G1	G1¼	
1GPE COMPACT/I A/12I EPW OT	2001480012I	on request	1,2	0,9	67,5	63,4	58,5	52,5	45,0	24,0	-	10	G1	G1¼	
1GPE COMPACT/I A/15I EPW OT	2001480015I	on request	1,5	1,1	79,0	74,6	69,0	62,5	54,0	28,0	-	10	G1	G1¼	
1GPE COMPACT/I B/12I EPW OT	2001480013I	on request	1,2	0,9	-	47,5	46,0	43,5	41,5	35,2	18,0	10	G1¼	G1¼	
1GPE COMPACT/I B/15I EPW OT	2001480014I	on request	1,5	1,1	-	58,0	56,0	54,0	51,5	44,5	22,0	10	G1¼	G1¼	

\* Max. absorbed current from the inverter

**2GP MATRIX:** Booster sets with one horizontal multistage electric pump in AISI 304 assembled with inverter

Single phase 230V						2 Poles									
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM
					H=Total head [m]										
					l/min	20	30	45	60	80	100	130			
m³/h	1,2	1,8	2,7	3,6	4,8	6	7,8								
1GPE MATRIX 3-5T/0,75I EPW OT	2002470010I	on request	1	0,75	52,5	49,0	42,5	34,0	20,0			10	G1	G1¼	
1GPE MATRIX 3-6T/0,9I EPW OT	2002470011I	on request	1,2	0,9	62,5	58,5	51,0	41,0	24,0			10	G1	G1¼	
1GPE MATRIX 3-7T/1,3I EPW OT	2002470012I	on request	1,8	1,3	73,0	68,5	59,5	47,5	28,0			10	G1	G1¼	
1GPE MATRIX 5-4T/0,9I EPW OT	2002470013I	on request	1,2	0,9		43,0	41,0	38,6	34,7	29,4	17,6	10	G1¼	G1¼	
1GPE MATRIX 5-5T/1,3I EPW OT	2002470014I	on request	1,8	1,3		54,0	51,0	48,5	43,5	36,7	22,0	10	G1¼	G1¼	
1GPE MATRIX 5-6T/1,3I EPW OT	2002470015I	on request	1,8	1,3		64,5	61,5	58,0	52,0	44,0	26,4	10	G1¼	G1¼	

\* Max. absorbed current from the inverter

# 2GPE



## Booster units with two electric pumps assembled with inverter control unit

Inverter-controlled groups with two electrical pumps, ideal for applications such as the water supply for distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



High versatility



Small dimensions

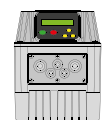
### Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 2GP COMPACT/CVM 50°C for 2GP MATRIX/EVMSG
Poles	2
Insulation class	F
Protection degree	IP44 for COMPACT/CVM IP55 for 2GP MATRIX/EVMS
Voltage	Single phase 230V ±10% Three phase 400V ±10%



### Inverter E-power

For more information about E-power see page 362



### Inverter E-drive

For more information about E-drive see page 360

## Versions



### 2GPE E-drive single phase

**CVM** - see page 113  
**EVMSG** - see page 121



### 2GPE E-power single phase

**COMPACT** - see page 106  
**CVM** - see page 113  
**MATRIX** - see page 109



### 2GPE E-drive three phase

**CVM** - see page 113  
**EVMSG** - see page 121



### 2GPE Hydrocontroller three phase

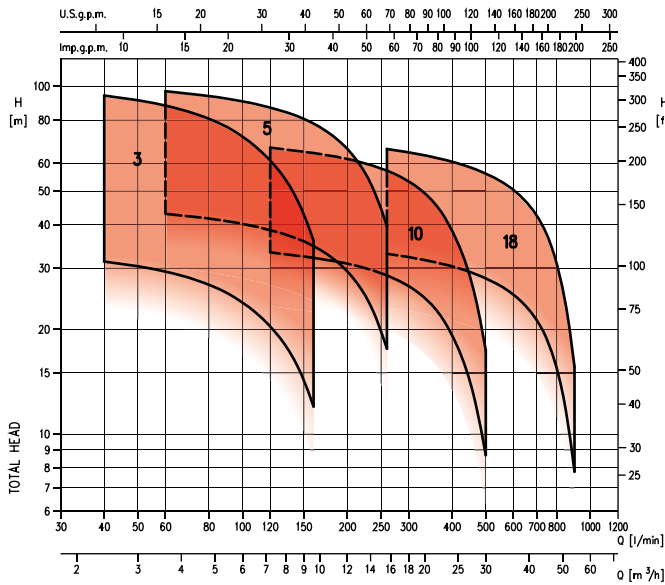
**MATRIX** - see page 109  
**EVMSG** - see page 121

# 2GPE

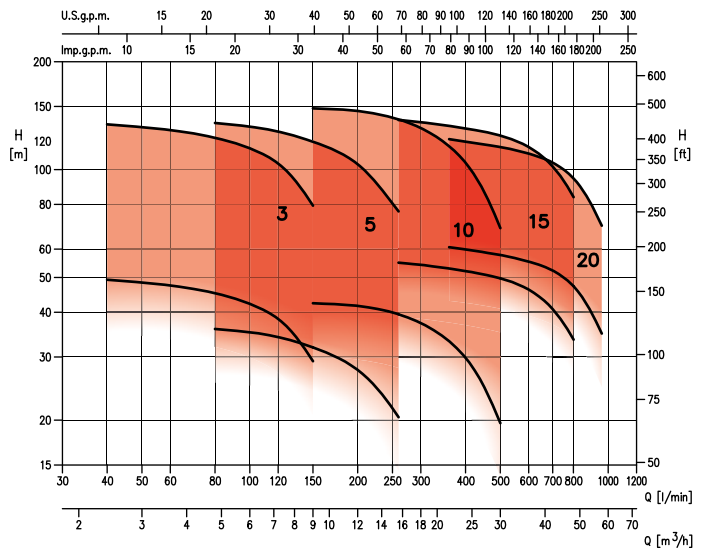


Booster units with two electric pumps assembled with inverter control unit

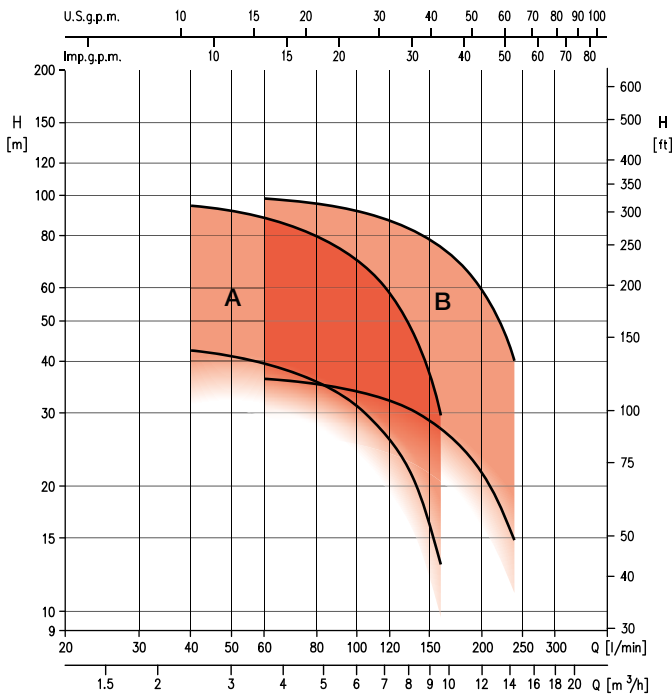
## 2GPE Matrix



## 2GPE EVMSG



## 2GPE COMPACT



# 2GPE E-drive 1~



Booster units with two electric pumps assembled with inverter control unit

2GPE CVM with E-drive single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM
					l/min	60	80	100	120	160	200	240			
					m <sup>3</sup> /h	3,6	4,8	6,0	7,2	9,6	12,0	14,4			
H=Total head [m]															
2GPE CVM A/10 EDM 304M	2001651026M	<b>4.304,00</b>	1+1	0,75+0,75	36,2	35,1	33,7	32,0	27,5	21,6	14,7	2 x 15	G2	G2	
2GPE CVM A/12 EDM 304M	2001651027M	<b>4.336,00</b>	1,2+1,2	0,9+0,9	48,0	46,8	45,0	42,6	36,6	28,8	19,6	2 x 15	G2	G2	
2GPE CVM A/15 EDM 304M	2001651028M	<b>4.366,00</b>	1,5+1,5	1,1+1,1	60,5	58,5	56,2	53,3	45,8	36,0	24,5	2 x 15	G2	G2	
2GPE CVM B/15 EDM 304M	2001651029M	<b>4.312,00</b>	1,5+1,5	1,1+1,1	74,0	72,0	69,0	65,5	56,0	44,5	30,6	2 x 15	G2	G2	
2GPE CVM B/20 EDM 304M	2001651030M	<b>4.569,00</b>	2+2	1,5+1,5	86,0	84,0	80,5	76,5	65,5	51,5	35,7	2 x 15	G2	G2	

\* Max. absorbed current from the inverter

2GPE EVMSG with E-drive single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM
					l/min	80	120	150	200	260	360	500			
					m <sup>3</sup> /h	4,8	7,2	9,0	12,0	15,6	21,6	30,0			
H=Total head [m]															
2GPE EVMSG3 10N5/1,1 EDM 304M	2001881006B	<b>on request</b>	3+3	2,2+2,2	63,0	59,5	56	48,5	35,7	-	-	2 x 15	G1½	G1½	
2GPE EVMSG5 7N5/1,5 EDM 304M	2001881007B	<b>on request</b>	3+3	2,2+2,2	72,0	68,0	64,0	55,0	41,0	-	-	2 x 15	G2	G2	
2GPE EVMSG10 6N5/2,2 EDM 304M	2001881008B	<b>on request</b>	3+3	2,2+2,2	-	-	63,5	62,5	59,0	50,0	29,5	2 x 20	G2½	G2½	

\* Max. absorbed current from the inverter

# 2GPE E-power 1~



Booster units with two electric pumps assembled with inverter control unit

2GPE COMPACT with E-power single phase: Booster units with two horizontal multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM	
					l/min	40	60	80	100	120	160	200			240
					m³/h	2,4	3,6	4,8	6,0	7,2	9,6	12,0			14,4
H=Total head [m]															
2GPE COMPACT A/8 EPW 304M	2001051027B	<b>2.691,00</b>	0,8+0,8	0,6+0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	-	2 x 10	G2
2GPE COMPACT A/10 EPW 304M	2001051028M	<b>2.819,00</b>	1+1	0,75+0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	-	2 x 10	G2
2GPE COMPACT A/12 EPW 304M	2001051029M	<b>2.871,00</b>	1,2+1,2	0,9+0,9		67,5	63,5	58,5	52,5	45,0	24,0	-	-	2 x 10	G2
2GPE COMPACT B/12 EPW 304M	2001051030M	<b>2.826,00</b>	1,2+1,2	0,9+0,9		-	47,5	46,0	43,5	41,5	35,2	27,6	18,0	2 x 10	G2
2GPE COMPACT B/15 EPW 304M	2001051031M	<b>2.858,00</b>	1,5+1,5	1,1+1,1		-	58,0	56,0	54,0	51,5	44,5	34,5	22,0	2 x 10	G2

\* Max. absorbed current from the inverter

2GPE CVM with E-power single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM	
					l/min	60	80	100	120	160	200	240			
					m³/h	3,6	4,8	6,0	7,2	9,6	12,0	14,4			
H=Total head [m]															
2GPE CVM A/10 EPW 304M	2001651046M	<b>2.906,00</b>	1+1	0,75,0,75		36,2	35,1	33,7	32,0	27,5	21,6	14,7		2 x 10	G2
2GPE CVM A/12 EPW 304M	2001651047M	<b>2.962,00</b>	1,2+1,2	0,9+0,9		48,0	46,8	45,0	42,6	36,6	28,8	19,6		2 x 10	G2
2GPE CVM B/12 EPW 304M	2001651048M	<b>2.921,00</b>	1,2+1,2	0,9+0,9		60,5	58,5	56,2	53,3	45,8	36,0	24,5		2 x 10	G2
2GPE CVM B/15 EPW 304M	2001651049M	<b>2.949,00</b>	1,5+1,5	1,1+1,1		74,0	72,0	69,0	65,5	56,0	44,5	30,6		2 x 10	G2
2GPE CVM B/20 EPW 304M	2001651050M	<b>3.157,00</b>	2+2	1,5+1,5		86,0	84,0	80,5	76,5	65,5	51,5	35,7		2 x 10	G2

\* Max. absorbed current from the inverter

2GPE MATRIX with E-power single phase: Booster units with two horizontal multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM	
					l/min	40	60	90	120	160	200	260			
					m³/h	2,4	3,6	5,4	7,2	9,6	12,0	15,6			
H=Total head [m]															
2GPE MATRIX 3-3T/0,65 EPW 304M	2001704058B	<b>2.816,00</b>	0,9+0,9	0,65+0,65		31,4	29,3	25,5	20,4	12,0	-	-		2 x 10	G2
2GPE MATRIX 3-4T/0,65 EPW 304M	2001704066B	<b>2.934,00</b>	0,9+0,9	0,65+0,65		42,0	39,1	34,0	27,2	16,0	-	-		2 x 10	G2
2GPE MATRIX 3-5T/0,75 EPW 304M	2001704059M	<b>2.967,00</b>	1+1	0,75+0,75		52,5	49,0	42,5	34,0	20,0	-	-		2 x 10	G2
2GPE MATRIX 3-6T/0,9 EPW 304M	2001704060M	<b>3.071,00</b>	1,2+1,2	0,9+0,9		62,5	58,5	51,0	41,0	24,0	-	-		2 x 10	G2
2GPE MATRIX 3-7T/1,3 EPW 304M	2001704061M	<b>3.307,00</b>	1,8+1,8	1,3+1,3		73,0	68,5	59,5	47,5	28,0	-	-		2 x 10	G2
2GPE MATRIX 5-3T/0,65 EPW 304M	2001704062B	<b>2.829,00</b>	0,9+0,9	0,65+0,65		-	32,3	30,7	29,0	26,0	22,0	13,2		2 x 10	G2
2GPE MATRIX 5-4T/0,9 EPW 304M	2001704063M	<b>2.944,00</b>	1,2+1,2	0,9+0,9		-	43,0	41,0	38,6	34,7	29,4	17,6		2 x 10	G2
2GPE MATRIX 5-5T/1,3 EPW 304M	2001704064M	<b>3.093,00</b>	1,8+1,8	1,3+1,3		-	54,0	51,0	48,5	43,5	36,7	22,0		2 x 10	G2
2GPE MATRIX 5-6T/1,3 EPW 304M	2001704065M	<b>3.172,00</b>	1,8+1,8	1,3+1,3		-	64,5	61,5	58,0	52,0	44,0	26,4		2 x 10	G2

\* Max. absorbed current from the inverter

2GPE EVMSG with E-power single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM	
					l/min	40	60	80	120	150	200	260			
					m³/h	2,4	3,6	4,8	7,2	9,0	12,0	15,6			
H=Total head [m]															
2GPE EVMSG 3-9N/1,1 EPW 304M	2001881017B	<b>on request</b>	1,5+1,5	1,1+1,1		63,5	61	58	49	37,6	-	-		2 x 10	G2
2GPE EVMSG 5-7N/1,5 EPW 304M	2001881018B	<b>on request</b>	2+2	1,5+1,5		-	-	63	59,5	56	48,5	35,7		2 x 10	G2

\* Max. absorbed current from the inverter

# 2GPE E-drive 3~



Booster units with two electric pumps assembled with inverter control unit

2GPE CVM with E-drive three phase: Booster units with two vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A]* 400V	DNA DNM	
					l/min	60	80	100	120	160	200			240
					m <sup>3</sup> /h	3,6	4,8	6,0	7,2	9,6	12,0			14,4
H=Total head [m]														
2GPE CVM A/10 EDT 304M	2001651036M	5.230,00	1+1	0,75+0,75	36,2	35,1	33,7	32,0	27,5	21,6	14,7	2 x 10	G2	
2GPE CVM A/12 EDT 304M	2001651037M	5.251,00	1,2+1,2	0,9+0,9	48,0	46,8	45,0	42,6	36,6	28,8	19,6	2 x 10	G2	
2GPE CVM A/15 EDT 304M	2001651038M	5.274,00	1,5+1,5	1,1+1,1	60,5	58,5	56,2	53,3	45,8	36,0	24,5	2 x 10	G2	
2GPE CVM B/15 EDT 304M	2001651039M	5.355,00	1,5+1,5	1,1+1,1	74,0	72,0	69,0	65,5	56,0	44,5	30,6	2 x 10	G2	
2GPE CVM B/20 EDT 304M	2001651034M	5.881,00	2+2	1,5+1,5	86,0	84,0	80,5	76,5	65,5	51,5	35,7	2 x 10	G2	
2GPE CVM B/23 EDT 304M	2001651035M	5.910,00	2,3+2,3	1,7+1,7	98,5	96,0	92,0	87,0	74,5	59,0	41,0	2 x 10	G2	

\* Max. absorbed current from the inverter

2GPE EVMSG with E-drive three phase: Booster units with two vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A]* 400V	DNA DNM		
					l/min	80	120	150	200	260	300			360	500
					m <sup>3</sup> /h	4,8	7,2	9,0	12,0	15,6	18,0			21,6	30,0
H=Total head [m]															
2GPE EVMSG5 8N5/2,2 ETM EDT	2001881009A	on request	3+3	2,2+2,2	72,0	68,0	64,0	55,0	41,0	-	-	-	2 x 10	G2	
2GPE EVMSG5 9N5/2,2 ETM EDT	2001881010A	on request	3+3	2,2+2,2	81,0	77,0	72,0	62,0	46,0	-	-	-	2 x 10	G2	
2GPE EVMSG10 6N5/2,2 ETM EDT	2001881011A	on request	3+3	2,2+2,2	-	-	63,5	62,5	59,0	56,0	50,0	29,5	2 x 10	G2½	
2GPE EVMSG10 7N5/3 ETM EDT	2001881012A	on request	4+4	3+3	-	-	74,0	73,0	69,0	65,5	58,0	34,4	2 x 13,5	G2½	
2GPE EVMSG10 8N5/3 ETM EDT	2001881013A	on request	4+4	3+3	-	-	84,5	83,5	79,0	74,5	66,5	39,3	2 x 13,5	G2½	

\* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate							Abs. Curr. [A]* 400V	DNA DNM	
					l/min	260	360	400	500	600	800			960
					m <sup>3</sup> /h	15,6	21,6	24,0	30,0	36,0	48,0			57,6
H=Total head [m]														
2GPE EVMSG15 4N5/4 EDT 304M	2001881024B	on request	5+5	4+4	55,0	53,0	52,0	50,0	46,5	33,6	-	2 x 13,5	G3	
2GPE EVMSG15 5N5/5,5 EDT 304M	2001881014B	on request	7,5+7,5	5,5+5,5	69,0	66,0	65,0	62,0	58,0	42,0	-	2 x 16	G3	
2GPE EVMSG15 6N5/5,5 EDT 304M	2001881015B	on request	7,5+7,5	5,5+5,5	82,5	79,5	78,0	74,5	69,5	50,5	-	2 x 16	G3	
2GPE EVMSG20 4N5/5,5 EDT 304M	2001881016B	on request	7,5+7,5	5,5+5,5	-	61,0	60,0	58,0	55,4	47,3	34,9	2 x 16	DN100	

\* Max. absorbed current from the inverter

# 2GPE Hydrocontroller 3~

Booster units with two electric pumps assembled with inverter control unit

2GPE MATRIX con Hydrocontroller three phase: Booster units with two horizontal multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles				
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM	
					l/min	40	60	90	120	160	260	320			500
					m <sup>3</sup> /h	2,4	3,6	5,4	7,2	9,6	15,6	19,2			30,0
H=Total head [m]															
2GPE MATRIX 3-4T/0,65 HYD 304M	2001704117B	4.149,00	0,9+0,9	0,65+0,65		42,0	39,1	34,0	27,2	16,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-5T/0,75 HYD 304M	2001704118M	4.170,00	1+1	0,75+0,75		52,5	49,0	42,5	34,0	20,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-6T/0,9 HYD 304M	2001704119M	4.253,00	1,2+1,2	0,9+0,9		62,5	58,5	51,0	41,0	24,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-7T/1,3 HYD 304M	2001704120M	4.489,00	1,8+1,8	1,3+1,3		73,0	68,5	59,5	47,5	28,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-8T/1,3 HYD 304M	2001704121M	4.530,00	1,8+1,8	1,3+1,3		83,5	78,0	68,0	54,5	32,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-9T/1,5 HYD 304M	2001704122M	4.615,00	2+2	1,5+1,5		94,0	88,0	76,5	61,0	36,0	-	-	-	2 x 6	G2
2GPE MATRIX 5-4T/0,9 HYD 304M	2001704123M	4.126,00	1,2+1,2	0,9+0,9		-	43,0	41,0	38,6	34,7	17,6	-	-	2 x 6	G2
2GPE MATRIX 5-5/1,3 HYD 304M	2001704124M	4.274,00	1,8+1,8	1,3+1,3		-	54,0	51,0	48,5	43,5	22,0	-	-	2 x 6	G2
2GPE MATRIX 5-6T/1,3 HYD 304M	2001704125M	4.353,00	1,8+1,8	1,3+1,3		-	64,5	61,5	58,0	52,0	26,4	-	-	2 x 6	G2
2GPE MATRIX 5-7T/1,5 HYD 304M	2001704126M	4.513,00	2+2	1,5+1,5		-	75,5	72,0	67,5	61,0	30,8	-	-	2 x 6	G2
2GPE MATRIX 5-8T/2,2 HYD 304M	2001704127M	4.568,00	3+3	2,2+2,2		-	86,0	82,0	77,0	69,5	35,2	-	-	2 x 6	G2
2GPE MATRIX 5-9T/2,2 HYD 304M	2001704128M	4.620,00	3+3	2,2+2,2		-	97,0	92,0	87,0	78,0	39,6	-	-	2 x 6	G2
2GPE MATRIX 10-4T/1,5 HYD 304M	2001704129M	4.444,00	2+2	1,3+1,3		-	-	-	44,5	43,0	38,1	34,0	11,6	2 x 6	G2½
2GPE MATRIX 10-5T/2,2 HYD 304M	2001704130M	4.542,00	3+3	1,5+1,5		-	-	-	55,5	53,5	47,5	42,5	14,5	2 x 6	G2½
2GPE MATRIX 10-6T/2,2 HYD 304M	2001704131M	4.691,00	3+3	2,2+2,2		-	-	-	66,5	64,5	57,0	51,0	17,4	2 x 6	G2½

\* Max. absorbed current from the inverter

2GPE EVMSG con Hydrocontroller three phase: Booster units with two vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles			
Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM
					l/min	40	60	80	120	150	200	260		
					m <sup>3</sup> /h	2,4	3,6	4,8	7,2	9,0	12,0	15,6		
H=Total head [m]														
2GPE EVMSG 3-8N/0,75 HYD 304M	2001881019B	on request	1+1	0,75+0,75		56,5	54,5	51,5	44	33,4	-	-	2 x 6	G2
2GPE EVMSG 3-10N/1,1 HYD 304M	2001881020B	on request	1,5+1,5	1,1+1,1		70,5	68,0	64,5	54,5	41,5	-	-	2 x 6	G2
2GPE EVMSG 5-7N/1,5 HYD 304M	2001881021B	on request	2+2	1,5+1,5		-	-	63,0	59,5	56	48,5	35,7	2 x 6	G2
2GPE EVMSG 5-8N/2,2 HYD 304M	2001881022B	on request	3+3	2,2+2,2		-	-	72,0	68,0	64,0	55,0	41,0	2 x 6	G2
2GPE EVMSG 5-9N/2,2 HYD 304M	2001881023B	on request	3+3	2,2+2,2		-	-	81,0	77,0	72,0	62,0	46,0	2 x 6	G2

\* Max. absorbed current from the inverter

Versions on request:

## 2GPE Hydrocontroller Wi-Fi

Booster with 2 electropumps driven by hydrocontroller, having integrated wi-fi

All booster with 2 electropumps driven by Hydrocontroller are available on request in special version, with integrated wifi, adding an extra price of 156,00€ on the price list.

In case of wireless connection in the pump room, thanks to integrated wifi, many tasks on the booster can be done through remote website. For instance it is possible to:

1. Control booster functioning
2. Read functioning parameters and set of them
3. Receive technical assistance

Web access for Hydrocontroller remote control is free within purchasing solar year.

Access reference for website, valid for a specific product serial number and strictly necessary for remote control and assistance, are renewable yearly for 15,00€.

For further informations contact our sales network. **Per ulteriori informazioni rivolgersi alla nostra rete di vendita**



# 3GPE E-drive



## Booster units with three electric pumps assembled with inverter control unit

Inverter-controlled groups with three electrical pumps, ideal for applications such as the water supply for distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



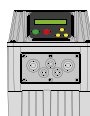
High versatility



Small dimensions

### Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 2GP COMPACT/CVM 50°C for 2GP MATRIX/EVMSG
Poles	2
Insulation class	F
Protection degree	IP44 for COMPACT/CVM IP55 for 2GP MATRIX/EVMSG
Voltage	Single phase 230V ±10% Three phase 400V ±10%



### Inverter E-drive

For more information about E-drive see page 360

## Versions



### 3GPE CVM E-drive

For more information about electric pump see page 113



### 3GPE EVMS E-drive

For more information about electric pump see page 121

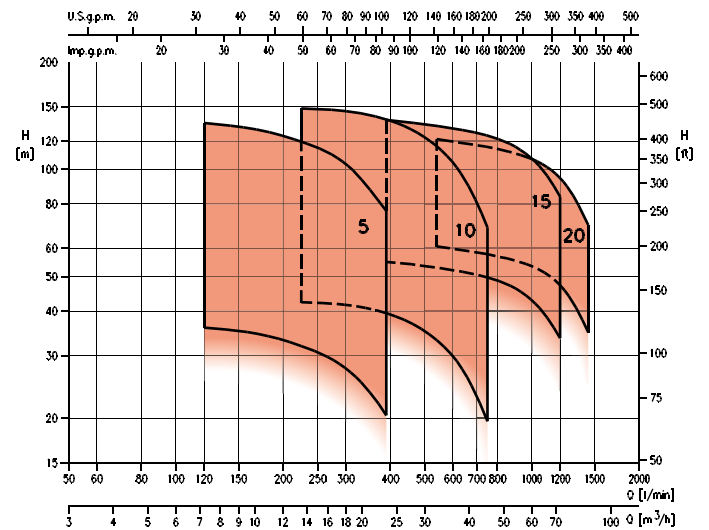
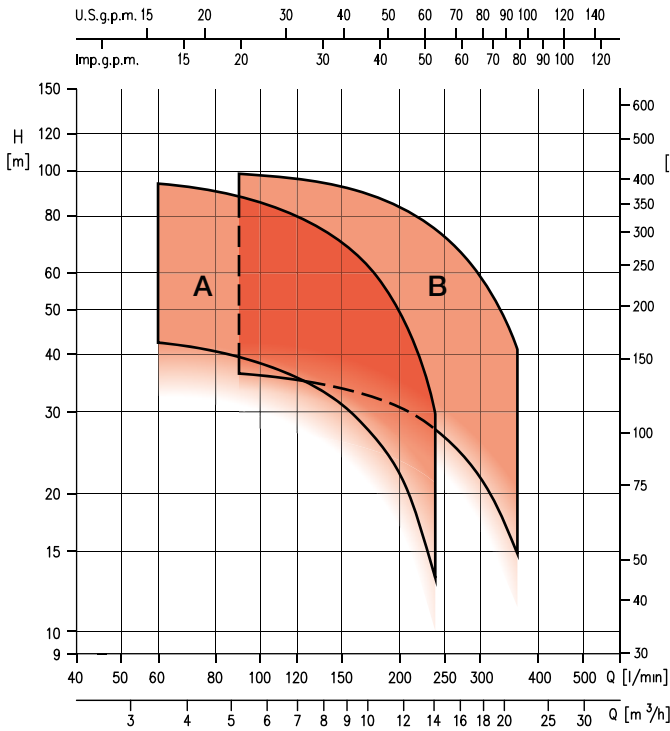
# 3GPE E-drive



Booster units with three electric pumps assembled with inverter control unit

## 3GPE CVM

## 3GPE EVMSG



# 3GPE E-drive



Booster units with three electric pumps assembled with inverter control unit

3GPE EVMS with E-drive single phase: Booster units with three vertical multistage pumps

## Single phase supply inverter 230V - Three phase electric pump 400V 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A]* 230V	DNA DNM
					l/min	80	120	150	200	260		
					m³/h	4.8	7.2	9.0	12.0	15.6		
H=Total head [m]												
3GPE EVMSG5 7N5/1,5 EDM 304M	2009661009B	on request	2+2+2	1,5+1,5+1,5	63,0	59,5	56,0	48,5	35,7	3 x 15	G2½	

\* Max. absorbed current from the inverter

3GPE CVM with E-drive three phase: Booster units with three vertical multistage pumps

## Three phase supply inverter 400V - Three phase electric pump 400V 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate						Abs. Curr. [A]* 400V	DNA DNM	
					l/min	30	40	60	80	100			120
					m³/h	1,8	2,4	3,6	4,8	6			7,2
H=Total head [m]													
3GPE CVM B/20I EDT	2009650019L	on request	2+2+2	1,5+1,5+1,5	74,0	72,0	65,5	56,0	44,5	30,6	3 x 10	G2½	
3GPE CVM B/23I EDT	2009650020L	on request	2,3+2,3+2,3	1,7+1,7+1,7	86,0	84,0	76,5	65,5	51,5	35,7	3 x 10	G2½	

\* Max. absorbed current from the inverter

3GPE EVMS with E-drive three phase: Booster units with three vertical multistage pumps

## Three phase supply inverter 400V - Three phase electric pump 400V 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM	
					l/min	80	120	150	200	260	300	360			500
					m³/h	4.8	7.2	9.0	12.0	15.6	18.0	21.6			30.0
H=Total head [m]															
3GPE EVMSG5 8N5/2,2 EDT 304M	2009661010B	on request	3+3+3	2,2+2,2+2,2	72,0	68,0	64,0	55,0	41,0	-	-	-	3 x 10	G2½	
3GPE EVMSG10 6N5/2,2 EDT 304M	2009661011B	on request	3+3+3	2,2+2,2+2,2	-	-	63,5	62,5	59,0	56,0	50,0	29,5	3 x 10	G3	
3GPE EVMSG10 7N5/3 EDT 304M	2009661012B	on request	4+4+4	3+3+3	-	-	74,0	73,0	69,0	65,5	58,0	34,4	3 x 13,5	G3	

\* Max. absorbed current from the inverter

## Three phase supply inverter 400V - Three phase electric pump 400V 2 Poles

Model	Code	£ Stg	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM
					l/min	260	360	400	500	600	800	960		
					m³/h	15,6	21,6	24,0	30,0	36,0	48,0	57,6		
H=Total head [m]														
3GPE EVMSG15 4N5/4 EDT 304M	2009661013B	on request	5,5+5,5+5,5	4+4+4	55,0	53,0	52,0	50,0	46,5	33,6	-	3 x 13,5	DN100	
3GPE EVMSG15 5N5/5,5 EDT 304M	2009661014B	on request	7,5+7,5+7,5	5,5+5,5+5,5	69,0	66,0	65,0	62,0	58,0	42,0	-	3 x 16	DN100	
3GPE EVMSG15 6N5/5,5 EDT 304M	2009661015B	on request	7,5+7,5+7,5	5,5+5,5+5,5	82,5	79,5	78,0	74,5	69,5	50,5	-	3 x 16	DN100	
3GPE EVMSG20 4N5/5,5 EDT 304M	2009661016B	on request	7,5+7,5+7,5	5,5+5,5+5,5	-	61,0	60,0	58,0	55,4	47,3	34,9	3 x 16	DN100	

\* Max. absorbed current from the inverter

# Versions on request



## 2GP, 2GPE, 3GP, 3GPE\_Industrial

Industrial boosters set with 2 or 3 pumps. The industrial boosters set are boosters composed to 3 Series or EVM/EVMS pumps, available also with inverter. Perfect used on there applications when high performance for pumps and flexible management control for entire system are required.



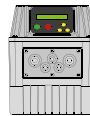
High versatility



Small dimensions

## Versions

<b>With two electric pumps</b>	2GP 3M SERIES 3M 32-40-50-65 2GP EVMG SERIES 32-45-64
<b>With two electric pumps with inverter</b>	2GPE 3M SERIES 32-40-50-65 2GPE EVMG SERIES 32-45-64
<b>With three electric pumps</b>	3GP 3M SERIES 32-40-50-65 3GP EVMG SERIES 32-45-64
<b>With three electric pumps with inverter</b>	3GPE 3M SERIES 32-40-50-65 3GPE EVMG SERIES 32-45-64



## E-drive inverter

For more information about E-drive see page 360

# FFS - FFB

## UNI EN 12845 Fire-fighting units

EBARA FFS-FFB type pressure boosting units are applied in the automatic activation water supplies for the automatic fire-fighting units in compliance with European Standard **UNI EN 12845**.

### Functioning principle

As established by the UNI EN 12845 Standard, if the fire-fighting unit supply pumps intervene, they are started by a pair of pressure switches via an electric control panel supplied with each pump and they must function continuously until stopping, which only occurs with a manual control. The start-up of the supply pumps can cause simultaneous activation of an acoustic and luminous long distance indicator. The small flow rate jockey pump (pilot), intervenes in the case of small system leaks and is started and stopped automatically by its own electric control panel and relative pressure switch calibrated at a pressure value slightly higher than the pressure switch value of the supply pump. Stopping takes place when system pressure is reset. The acoustic - luminous indicator also signals a missing phase, the voltage, lack of water and any incorrect position of the shut-off valves both in discharge and suction. The electric control panels are equipped with pump running signals.

### Standards and Directives

FFS-FFB fire-fighting pressure boosting units are designed and built in compliance with the following Regulations and Standards:

- **UNI EN 12845 Directive**, fixed fire extinguisher systems - automatic sprinkler systems
- **UNI EN 12845/10779 Directive**, fire extinguishing system - Hydrant network
- 2006/42/CE Machinery Directive
- 2014/35/UE Low Voltage Directive
- 2014/30/UE Electromagnetic Compatibility Directive
- European Directives:: EN 60204-1; EN 61000-6-4; EN 61000-6-2.

### Conditions for use

The FFS-FFB firefighting pressure boosting units can be used exclusively as envisioned in the **UNI EN 12845** LH, OH, HH Standard, in the automatic activation water supplies for the automatic fire fighting units in civil and industrial activities. The water conveyed must not contain solid bodies and fibres in suspension or vegetation and without aggressive and corrosive chemical substances (UNI EN 12845 8.6).

- Minimum temperature of the water conveyed is 0°C, max temperature 40°C (25°C for submersed multistage pumps)
- Environment functioning temperature is 4°÷40°C at a height not exceeding 1000 m a.s.l.
- Max. relative humidity 50% at +40°C

NB: possibly the pumping unit must be installed underhead (UNI EN 12845)

NB: each pump must have its own independent suction pipe (UNI EN 12845)

### Versions available

EBARA fire fighting units are produced in five versions:

- FFS 11/21 3PS:  
unit made up from 1 or 2 main surface electric pumps, base-joint and an electric jockey pump;
- FFBE 11/21 ENR:  
unit made up from 1 or 2 main surface electric pumps, base-joint and an electric jockey pump;
- KIT FFS 11/21 S:  
unit made up from 1 or 2 main submersed electric pumps, vertical multistage and an electric jockey pump;
- FFBD 11/21:  
unit made up from 1 or 2 main surface pumps, base-joint and an electric jockey pump;
- FFBD 111:  
unit made up from 1 pump and 1 main surface electric pumps, base-joint and an electric jockey pump.

### FFS and FFBD UNITS

with horizontal pumps



### Kit FFSS

con elettropompe sommerse e pompa pilota















### FFBE BOX 10 Units



# Inverter and control panels

Model	Type	Use	Main features
<b>E-drive</b>	Inverter	pumps	<ul style="list-style-type: none"> <li>Control and protection of pumping systems based on frequency variations in the power supply of the pump</li> <li>Parallel operation up to 8 pumps</li> </ul>
<b>E-power</b>	Inverter with pressure switch	pumps	<ul style="list-style-type: none"> <li>Control start-up and stop of the electric pump and modulates the motor revs. depending on the withdrawal of water from the plant</li> </ul>
<b>Presscomfort</b>	Pressure regulator	pumps	<ul style="list-style-type: none"> <li>Regulate functioning of the electric pumps without using booster tanks</li> </ul>
<b>Q Series</b>	Electronic control panel	borehole pumps	<ul style="list-style-type: none"> <li>Thanks to the presence of a thermal protection, it ensures interruption of the operation of the motor in case of overcurrents</li> </ul>
<b>2EP-E Series (Single/three phase)</b>	Electronic control panel	one borehole or surface pump	<ul style="list-style-type: none"> <li>Control via transducer, floating switches or pressure switches</li> <li>Integrated level sensor module.</li> <li>Remote alarm output</li> <li>Dry operating protection through <math>\cos\phi</math></li> </ul>
<b>2EP-E Series (Single/three phase)</b>	Electronic control panel	two surface pumps	<ul style="list-style-type: none"> <li>Control via transducer, floating switches or pressure switches</li> <li>Remote alarm output</li> <li>Integrated restart electronic exchange</li> </ul>
<b>QM Series (Single phase) QT Series (Three phase)</b>	Electromechanical control panel	one/two surface or submersible pumps	<ul style="list-style-type: none"> <li>Control through floating switches or pressure switches</li> <li>Alarm output with voltage 24V</li> <li>Integrated motor overtemperature protection sensor</li> <li>No module for level control sensor</li> </ul>
<b>QS Series (Three phase)</b>	Electromechanical control panel	one/two surface or submersible pumps	<ul style="list-style-type: none"> <li>Control via floating switches or pressure switches</li> <li>Alarm output with voltage 24V</li> <li>Integrated motor overtemperature protection sensor</li> <li>No module for level control sensor</li> <li>STAR/DELTA start</li> </ul>
<b>QA50/B Series (Single phase)</b>	Electronic control panel	one borehole or surface pump	<ul style="list-style-type: none"> <li>Control via floating switches or pressure switches</li> <li>Integrated level sensor module</li> </ul>
<b>Serie QA60/C (Three phase)</b>	Electronic control panel	one surface or submersible pump	<ul style="list-style-type: none"> <li>Control via floating switches or pressure switches</li> <li>Integrated level sensor module</li> </ul>
<b>Serie QMD20-SI (Single phase)</b>	Electronic control panel	two surface or submersible pumps	<ul style="list-style-type: none"> <li>Control via floating switches or pressure switches</li> <li>Self-retaining function (submersible pumps) and remote alarm management only with use of the MSM-MA1 kit (optional)</li> </ul>
<b>SMART Series (Single/three phase)</b>	Electronic microprocessor control panel	one/two surface, submersible or borehole pumps	<ul style="list-style-type: none"> <li>Control via floating switches, pressure switches or level sensors</li> <li>Available optional module for level control sensor</li> <li>Integrated control for motor overtemperature sensor</li> <li>Dry operating protection via <math>\cos\phi</math></li> <li>Self-learning function</li> </ul>
<b>Anti-flooding kit</b>	Emergency control unit	single phase drainage pumps	<ul style="list-style-type: none"> <li>Emergency pseudosenoid wave electronic back-up device with or without integrated exchanger to manage drainage pumps in the absence of voltage</li> </ul>
<b>SP</b>	Electric control panels with two inverters	surface and borehole pumps	<ul style="list-style-type: none"> <li>Control via pressure transducer or pressure switch</li> <li>Remote alarm output</li> <li>Function for constant pressure or differential pressure</li> </ul>

	<b>E-drive</b> Pump control inverter (single/three phase input)	<b>360</b>
	<b>E-power</b> Pump control inverter with pressure switch (single phase input)	<b>362</b>
	<b>Presscomfort</b> Pressure regulator for one pump	<b>363</b>
	<b>Q SERIES</b> Control panels for borehole pumps	<b>364</b>
	<b>1EP-E / 2EP-E SERIES</b> Control panels for borehole and surface pumps	<b>365</b>
	<b>QM1-QT1 / QM2-QT2</b> Electromechanical control panels for wastewater and surface pumps	<b>367</b>
	<b>QS1-QS2 SERIES</b> Electromechanical control panels for wastewater and surface pumps	<b>369</b>
	<b>QA/50B / QA/60C / QMD20</b> Electromechanical panels for drainage and sewer, surface and submerged pumps	<b>371</b>
	<b>SMART SERIES</b> Electronic microprocessor panels for drainage and sewer, surface and submerged pumps	<b>373</b>
	<b>ANTI-FLOODING KIT</b> Anti-flooding kit with alternating or contemporaneity function	<b>374</b>
	<b>SP SERIES</b> Control panels with inverter for pumps	<b>375</b>
	<b>VARIOUS ACCESSORIES</b>	<b>377</b>

# E-drive

## Control units for pumps with inverter technology

E-drive is a device for the control and protection of pumping systems based on frequency variations in the power supply of the pump. E-drive can be connected to any pump on the market, it manages operation to maintain set physical quantities constant (pressure, flow or temperature of fluid or more) depending on the conditions of use. In this way the pump is operated only as and when needed without wasting energy and as such extending its life.



### Technical data

Frequency 50-60 Hz (+/-2%)

Max. ambient temperature 40°C

Insulation class F

Protection degree IP55



Motor mount type



High efficiency



Easy to install



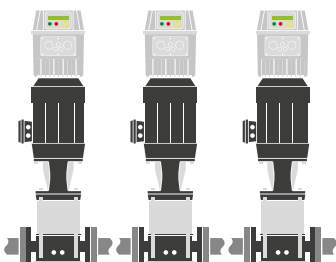
Reliable and easy to use

Model	Code	£ Stg	Max. output curr. (motor) [A]	kW	Main supply V <sub>in</sub>	Motor output V <sub>out</sub>
E-drive 1500*	362420064	<b>779,00</b>	7	1,5	1~230	3~230
E-drive 3000*	362420078	<b>1.134,00</b>	11	3	1~230	3~230
E-drive 2200*	362420081	<b>1.439,00</b>	6	2,2	3~400	3~400
E-drive 4000*	362420080	<b>1.904,00</b>	9	4	3~400	3~400
E-drive 5500*	362420067	<b>2.272,00</b>	14	5,5	3~400	3~400
E-drive 7500*	362420068	<b>2.654,00</b>	18	7,5	3~400	3~400
E-drive 11000*	362420069	<b>2.960,00</b>	25	11	3~400	3~400
E-drive 15000*	362420082	<b>3.580,00</b>	30	15	3~400	3~400
E-drive 18500**	362420085	<b>5.202,00</b>	38	18,5	3~400	3~400
E-drive 22000**	362420086	<b>5.879,00</b>	48	22	3~400	3~400
E-drive 30000**	362420087	<b>7.070,00</b>	65	30	3~400	3~400
E-drive 37500**	362420088	<b>8.278,00</b>	75	37,5	3~400	3~400
E-drive 45000**	362420089	<b>9.692,00</b>	85	45	3~400	3~400

**NOTE: E-drive model to be coupled must be chosen considering maximum absorbed current data indicated in pump label**

\* Prices include a set of clamps to fix the inverter on the motor and EMC line filter

\*\* Prices include wall mounting kit and EMC line filter



Parallel operation up to 8 pumps



# E-drive

## Control units for pumps with inverter technology

### Pressure transmitter

Model	Code	£ Stg
Pressure transmitter 16 bar 4-20 mA	460500024	126,00
Pressure transmitter 25 bar 4-20 mA	460500025	126,00

### Metal fan-cover for motors\*

Model	Code	£ Stg
Metal fan-cover for MEC80 frame size motors**	362250564	25,00
Metal fan-cover for MEC90 frame size motors**	362250565	28,00
Metal fan-cover for MEC100 frame size motors**	362250566	32,00
Metal fan-cover for MEC frame size motors 132**	362250567	64,00

\* This option is necessary in case of direct coupling of E-drive to pumps with a plastic motor fan cover

\*\* These models are suitable only for EVM pumps. For other pump models (with a plastic fan cover), please contact our sales network

### Wall mounting kit

Model	Code	£ Stg
Wall mounting kit for E-drive 1500-3000	362410043	96,00
Wall mounting kit for E-drive 2200-4000	362410045	96,00
Wall mounting kit for E-drive 5500-7500-11000	362410042	96,00

## Accessories

### Shielded cables with connectors for inverter-pump connection (type FR20HH2R 450/750V)

Model	Code	£ Stg
Shieled cable sect. 4G1,5 - L=750 mm for M4 terminal (E-drive 1500)	367931142	29,00
Shieled cable sect. 4G1,5 - L=750 mm for M5 terminal (E-drive 1500)	367931143	29,00
Shieled cable sect. 4G1,5 - L=750 mm for M4 terminal (E-drive 2200 - E-drive 3000 - E-drive 4000)	367931144	32,00
Shieled cable sect. 4G1,5 - L=750 mm for M5 terminal (E-drive 2200 - E-drive 3000 - E-drive 4000)	367931145	40,00
Shieled cable sect. 4G2,5 - L=850 mm for M5 terminal (E-drive 5500-7500)	367931146	60,00
Shieled cable sect. 4G4 - L=950 mm for M6 terminal (E-drive 11000)	367931147	60,00
Shieled cable sect. 4G4 - L=950 mm for M5 terminal (E-drive 11000)	367931148	60,00

### Shielded cables for signal and control (type FR20HH2R 450/750V)

Model	Code	£ Stg
Shielded cable for pressure transmitter sect. 2x0,5 mm <sup>2</sup> - L=900 mm	367931149	15,00
Shielded cable for pressure transmitter sect. 2x0,5 mm <sup>2</sup> - L=1400 mm	367931151	19,00
Serial connection cable type RS485 sect. 2x0,5 mm <sup>2</sup> - L=900 mm	367931150	18,00

### Filters

Model	Code	£ Stg	
EMC/line filter (input filter)	E-drive 1500-3000	362410117	291,00
	E-drive 4000-5500-7500-11000	362410118	202,00
	E-drive 1500-2200-3000-4000-5500	362410131	on request
dv/dt filter (output filter)	E-drive 7500-11000-15000	362410132	on request
	E-drive 185000-22000-30000-375000-45000	362410133	on request
	E-drive 1500-2200-3000-4000-5500	362410134	on request
Sinusoidal filter (output filter)	E-drive 1500-2200-3000-4000-5500	362410134	on request
	E-drive 7500-11000-15000	362410135	on request

# E-power

## Control units for pumps with inverter technology

Electronic device for controlling the electric pumps based on inverter technology.

Controls start-up and stop of the electric pump and modulates the motor revs. depending on the withdrawal of water from the plant.



High efficiency



Easy to install



Reliable and easy to use

### Technical data

Max. working pressure	12 bar
Max. liquid temperature	40°C
Protection degree	IP65
Phase current	10 A
Motor output	Three phase 230V
Set-point regulation range	0,3÷8 bar
Hydraulic connection	1"¼ male-male
Main power supply	Single phase 230V ± 10%

Model	Code	£ Stg
E-power - Main supply 1~230V, motor output 3~230V, max power 2,2 kW (max 10 A)	362300933	<b>825,00</b>
E-power - Main supply 1~230V, motor output 3~230V, max power 2,2 kW (max 10 A)	362300936	<b>878,00</b>

In case of replacement of an inverter E-power mounted on a pumps booster set, please contact our sales network for commercial and technical information.

### Accessories

Model	Code	£ Stg
Serial cable RS485 sez. 2x0,5 mm <sup>2</sup> - L=500 mm	367931150	<b>18,00</b>
Output filter	369200038	<b>443,00</b>

# Presscomfort

## Pressure regulator for one pump

Automatic electronic appliance, destined to regulate functioning of the electric pumps without using booster tanks.



### Technical data

Max. working pressure	12 bar
Max. current intensity	10(6)A
Max. flow rate	10.000 l/h
Protection degree	IP65



High efficiency



Easy to install



Reliable and easy to use

Model	Code	£ Stg	Supply voltage $V_{in}$	Restart	Restart pressure
Presscomfort *	361700080	<b>182,00</b>	230 V	Settable	1,5÷2,5 bar
Presscomfort with cable + plug *	361700081	<b>197,00</b>	230 V	Settable	1,5÷2,5 bar

\* Fitted as standard with manometer

## Accessories

Model	Code	£ Stg
Replacement board Presscomfort	362300932	<b>12,00</b>
Presscomfort manometer	361600102	<b>12,00</b>



# Q Series

## Protection and control panel for borehole single phase electric pump

Thanks to the presence of a thermal protection, it ensures interruption of the operation of the motor in case of overcurrents.

### 1 borehole pump

#### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	[A] max	Recommended capacitor µF	capacitor V
Q 0,50 M 16 (WY 4")	362300615	<b>55,00</b>	0,5	0,37	4	16	450
Q 0,50 M 20 (OY 4")	362300667	<b>58,00</b>	0,5	0,37	4	20	450
Q 0,75 M 20 (WY 4")	362300616	<b>58,00</b>	0,75	0,55	6	20	450
Q 0,75 M 25 (OY 4")	362300668	<b>59,00</b>	0,75	0,55	6	25	450
Q 1,00 M 35 (WY/OY 4")	362300669	<b>63,00</b>	1	0,75	7	35	450
Q 1,50 M 40 (WY/OY 4")	362300670	<b>65,00</b>	1,5	1,1	9	40	450
Q 2,00 M 50 (WY 4")	362330422	<b>67,00</b>	2	1,5	12	50	450
Q 2,00 M 60 (OY 4")	362300671	<b>71,00</b>	2	1,5	12	60	450
Q 3,00 M 70 (WY 4")	362300620	<b>90,00</b>	3	2,2	18	70	450
Q 3,00 M 80 (OY 4")	362300672	<b>105,00</b>	3	2,2	18	80	450

Control panels supplied with capacitor



# 1EP-E Series

**1 borehole/surface pump (use with sensors, transducer, pressure switch or floating switches)**

Electronic panel for an electric pump, control via transducer, floating switches or pressure switches. Integrated level sensor module. Remote alarm output. Dry operating protection through cosphi.

## 1 borehole - surface pump

### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]
1EP-E 0,55M	362330982	on request	0,5÷0,75	0,37÷0,55	4,5
1EP-E1,1M	362330983	on request	0,8÷1,5	0,6÷1,1	9
1EP-E1,5M	362330984	on request	1,8÷2,0	1,3÷1,5	12
1EP-E 2,2M	362330985	on request	2,5÷3,0	1,85÷2,2	15

### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]
1EP-E1,1T	362330986	on request	0,5÷1,5	0,37÷1,1	3,5
1EP-E2,2T	362330987	on request	1,8÷3,0	1,3÷2,2	5
1EP-E4T	362330988	on request	3,0÷5,5	3,0÷4,0	9
1EP-E7,5T	362330989	on request	5,5÷10	4,0÷7,5	15

## Accessories

Model	Code	£ Stg
Level sensor kit (3 sensors)	369210100	<b>68,00</b>
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	on request
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	on request
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	on request
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	on request



# 2EP-E Series

**2 borehole/surface pumps (use with sensors, transducer, pressure switch or floating switches)**

Electronic control panel for two electric pumps, control via transducer, floating switches or pressure switches. Remote alarm output. Integrated restart electronic exchange.

## 2 borehole/surface pumps

### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]
2EP-E 0,55M	362330963	on request	0,75+0,75	0,55+0,55	4,5
2EP-E 1,1M	362330964	on request	1,5+1,5	1,1+1,1	9
2EP-E 1,5M	362330965	on request	2+2	1,5+1,5	12
2EP-E 2,2M	362330966	on request	3+3	2,2+2,2	15

### Three phase 400V +10-15% - 50Hz

Model	Code	£ Stg	HP	kW	Nominal curr. [A]
2EP-E 1,1T	362330967	on request	1,5+1,5	1,1+1,1	3,5
2EP-E 2,2T	362330968	on request	3+3	2,2+2,2	5
2EP-E 4T	362330969	on request	5,5+5,5	4+4	9
2EP-E 7,5T	362330970	on request	10+10	7,5+7,5	15

## Accessories

Model	Code	£ Stg
Level sensor kit (3 sensors)	369210100	68,00
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	on request
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	on request
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	on request
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	on request



# QM1 - QT1 Series

## Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for an electric pump. Control through floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. Settable minimum level floating function (self-retaining or insufficient water control).

### 1 Sewage/wastewater - surface pump

#### Single phase 230V +10-15%

Model	Code	£ Stg	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
			HP	kW			
QMDE10/4A-T-AR -1	362330892	<b>492,00</b>	0,5	0,37	4,5	2,8÷3,8	3,1÷4,2
QMDE10/5A-T-AR -1	362330893	<b>492,00</b>	0,75	0,55	4,5	3,8÷5,2	4,2÷5,7
QMDE10/7A-T-AR -1	362330894	<b>492,00</b>	1	0,75	4,5	5,2÷6,9	5,7÷7,6
QMDE10/9A-T-AR -1	362330895	<b>492,00</b>	1,5	1,1	4,5	6,9÷9,1	7,6÷10
QMDE10/12A-T-AR -1	362330896	<b>557,00</b>	2	1,5	4,5	9,1÷12	10÷13
QMDE10/15A-T-AR -1	362330897	<b>557,00</b>	3	2,2	4,5	12÷14,5	13÷16
QMDE10/18A-T-AR -1	362330898	<b>557,00</b>	-	-	4,5	14,5÷18	16÷20

#### Three phase 400V +10-15%

Model	Code	£ Stg	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
			HP	kW			
QTDE10/2A-T-AR -1 *	362330934	<b>on request</b>	1	0,75	6,0	1,5÷2,1	1,7÷2,3
QTDE10/3A-T-AR -1 *	362330935	<b>on request</b>	1,5	1,1	6,0	2,1÷2,8	2,3÷3,1
QTDE10/4A-T-AR -1 *	362330859	<b>475,00</b>	2	1,5	6,0	2,8÷3,8	3,1÷4,2
QTDE10/5A-T-AR -1 *	362330860	<b>475,00</b>	3	2,2	6,0	3,8÷5,2	4,2÷5,7
QTDE10/7A-T-AR -1 *	362330861	<b>475,00</b>	4	3	6,0	5,2÷6,9	5,7÷7,6
QTDE10/9A-T-AR -1 *	362330862	<b>475,00</b>	5,5	4	6,0	6,9÷9,1	7,6÷10
QTDE10/12A-T-AR -1 *	362330863	<b>502,00</b>	7,5	5,5	6,5	9,1÷12	10÷13
QTDE10/15A-T-AR -1 *	362330864	<b>514,00</b>	10	7,5	6,5	12÷14,5	13÷16
QTDE10/18A-T-AR -1 *	362330865	<b>540,00</b>	12	9	6,5	14,5÷18	16÷20
QTDE10/22A-T-AR -1 *	362330866	<b>574,00</b>	15	11	6,5	18÷22	20÷24
QTDE10/26A-T-AR -1 *	362330867	<b>574,00</b>	17,5	13	6,5	22÷26	24÷29
QTDE10/32A-T-AR -1 *	362330868	<b>661,00</b>	20	15	8,0	26÷32	29÷35

\* Direct start

## Accessories

Model	Code	£ Stg
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	<b>on request</b>
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	<b>on request</b>
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	<b>on request</b>
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	<b>on request</b>



# QM2 - QT2 Series

## Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for two electric pumps. Control via floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. Integrated exchange module for restart alternation. Settable minimum level floating function (self-retaining or insufficient water control).

### 2 Sewage/wastewater - surface pumps

#### Single phase 230V +10-15%

Model	Code	£ Stg	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
			HP	kW			
QMDE20/4A-T-AR -1	362330899	<b>918,00</b>	0,5	0,37	9,9	2,8÷3,8	3,1÷4,2
QMDE20/5A-T-AR -1	362330900	<b>918,00</b>	0,75	0,55	9,9	3,8÷5,2	4,2÷5,7
QMDE20/7A-T-AR -1	362330901	<b>922,00</b>	1	0,75	9,9	5,2÷6,9	5,7÷7,6
QMDE20/9A-T-AR -1	362330902	<b>927,00</b>	1,5	1,1	9,9	6,9÷9,1	7,6÷10
QMDE20/12A-T-AR -1	362330903	<b>1.019,00</b>	2	1,5	9,9	9,1÷12	10÷13
QMDE20/15A-T-AR -1	362330904	<b>1.019,00</b>	3	2,2	23,0	12÷14,5	13÷16
QMDE20/18A-T-AR -1	362330905	<b>1.234,00</b>	-	-	23,0	14,5÷18	16÷20

#### Three phase 400V +10-15%

Model	Code	£ Stg	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
			HP	kW			
QTDE20/3A-T-AR -1 *	362330869	<b>939,00</b>	1,5	1,1	8,5	2,1÷2,8	2,3÷3,1
QTDE20/4A-T-AR -1 *	362330870	<b>939,00</b>	2	1,5	8,5	2,8÷3,8	3,1÷4,2
QTDE20/5A-T-AR -1 *	362330871	<b>939,00</b>	3	2,2	8,5	3,8÷5,2	4,2÷5,7
QTDE20/7A-T-AR -1 *	362330872	<b>939,00</b>	4	3	8,5	5,2÷6,9	5,7÷7,6
QTDE20/9A-T-AR -1 *	362330873	<b>939,00</b>	5,5	4	8,5	6,9÷9,1	7,6÷10
QTDE20/12A-T-AR -1 *	362330874	<b>974,00</b>	7,5	5,5	13,0	9,1÷12	10÷13
QTDE20/15A-T-AR -1 *	362330875	<b>1.025,00</b>	10	7,5	13,0	12÷14,5	13÷16
QTDE20/18A-T-AR -1 *	362330876	<b>1.095,00</b>	12	9	13,0	14,5÷18	16÷20
QTDE20/22A-T-AR -1 *	362330877	<b>1.130,00</b>	15	11	13,0	18÷22	20÷24
QTDE20/26A-T-AR -1 *	362330878	<b>1.373,00</b>	17,5	13	13,0	22÷26	24÷29
QTDE20/32A-T-AR -1 *	362330879	<b>1.597,00</b>	20	15	23,0	26÷32	29÷35

\* Direct start

## Accessories

Model	Code	£ Stg
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	on request
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	on request
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	on request
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	on request





# QS1 Series

## Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for an electric pump. Control via floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. STAR/DELTA start. Settable minimum level floating function (self-retaining or insufficient water control).

### 1 Sewage/wastewater - surface pump

#### Three phase 400V +10-15%

Model	Code	£ Stg	Surface		Weight [kg]	Nominal curr. [A]	Protection range** [A]
			HP	kW			
QTSE 10/9A-T-AR -1 *	362330817	<b>800,00</b>	5,5	4	7,5	6,5÷9	4,2÷5,7
QTSE 10/12A-T-AR -1 *	362330818	<b>800,00</b>	7,5	5,5	7,5	9÷12	5,7÷7,6
QTSE 10/16A-T-AR -1 *	362330819	<b>800,00</b>	10	7,5	8,5	12÷15,5	7,6÷10
QTSE 10/21A-T-AR -1 *	362330820	<b>879,00</b>	12	9	8,5	15,5÷20,5	10÷13
QTSE 10/25A-T-AR -1 *	362330821	<b>896,00</b>	15	11	21,0	20,5÷25	13÷16
QTSE 10/31A-T-AR -1 *	362330822	<b>1.130,00</b>	20	15	21,0	25÷31	16÷20
QTSE 10/37A-T-AR -1 *	362330823	<b>1.164,00</b>	25	18,5	21,0	31÷37	20÷24
QTSE 10/45A-T-AR -1 *	362330824	<b>1.339,00</b>	30	22	21,0	37÷45	24÷29
QTSE 10/55A-T-AR -1 *	362330825	<b>1.548,00</b>	40	30	36,0	45÷55	29÷35
QTSE 10/73A-T-AR -1 *	362330826	<b>2.188,00</b>	50	37	36,0	56÷73	36÷47
QTSE 10/83A-T-AR -1 *	362330827	<b>2.433,00</b>	60	45	36,0	69÷83	44÷53
QTSE 10/105A-T-AR -1 *	362330828	<b>2.433,00</b>	75	55	-	90÷105	57÷68
QTSE 10/135A-T-AR -1 *	362330829	<b>2.884,00</b>	90	70	-	120÷135	75÷87
QTSE 10/170A-T-AR -1 *	362330830	<b>5.820,00</b>	100	75	-	130÷170	80÷110

\* Star-delta start

\*\* 58% of nominal current

## Accessories

Model	Code	£ Stg
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	<b>on request</b>
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	<b>on request</b>
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	<b>on request</b>
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	<b>on request</b>



# QS2 Series

## Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for two electric pumps. Control via floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. Integrated exchange module for restart alternation. STAR/DELTA start. Settable minimum level floating function (self-retaining or insufficient water control).

### 2 Sewage/wastewater - surface pumps

#### Three phase 400V +10-15%

Model	Code	£ Stg	Surface		Weight [kg]	Nominal curr. [A]	Protection range** [A]
			HP	kW			
QTSE20/9A-T-AR -1 *	362330831	<b>1.532,00</b>	5,5	4	31,0	6,5÷9	4,2÷5,7
QTSE20/12A-T-AR -1 *	362330832	<b>1.532,00</b>	7,5	5,5	31,0	9÷12	5,7÷7,6
QTSE20/16A-T-AR -1 *	362330833	<b>1.544,00</b>	10	7,5	33,0	12÷15,5	7,6÷10
QTSE20/21A-T-AR -1 *	362330834	<b>1.630,00</b>	12	9	33,0	15,5÷20,5	10÷13
QTSE20/25A-T-AR -1 *	362330835	<b>1.680,00</b>	15	11	42,0	20,5÷25	13÷16
QTSE20/31A-T-AR -1 *	362330836	<b>1.986,00</b>	20	15	42,0	25÷31	16÷20
QTSE20/37A-T-AR -1 *	362330837	<b>1.986,00</b>	25	18,5	42,0	31÷37	20÷24
QTSE20/45A-T-AR -1 *	362330838	<b>2.195,00</b>	30	22	42,0	37÷45	24÷29
QTSE20/55A-T-AR -1 *	362330839	<b>2.531,00</b>	40	30	-	45÷55	29÷35
QTSE20/73A-T-AR -1 *	362330840	<b>2.869,00</b>	50	37	-	56÷73	36÷47
QTSE20/83A-T-AR -1 *	362330841	<b>3.432,00</b>	60	45	-	69÷83	44÷53
QTSE20/105A-T-AR -1 *	362330842	<b>4.351,00</b>	75	55	-	90÷105	57÷68
QTSE20/135A-T-AR -1 *	362330843	<b>5.307,00</b>	90	70	-	120÷135	75÷87
QTSE20/170A-T-AR -1 *	362330844	<b>5.542,00</b>	100	75	-	130÷170	80÷110

\* Direct start

\*\* 58% of nominal current

## Accessories

Model	Code	£ Stg
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	<b>on request</b>
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	<b>on request</b>
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	<b>on request</b>
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	<b>on request</b>



# QA/50B Series

## Electromechanical panels for drainage and sewer, surface and submerged pumps

Electromechanical panel for single-phase electronic pump. Control via floating switches, pressure switches or level sensors. Integrated level sensor module. Selectable emptying or filling function. Integrated predisposition for connection of the capacitor. No contact for alarm output.

### 1 Sewage/wastewater - surface - borehole pump

#### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QA/50B	362330642	219,00	0,55÷3	0,37÷2,2	2÷18	2÷18

### Accessories

Model	Code	£ Stg
Level sensor kit (3 sensors)	369210100	67,00



# QA/60C Series

## Electromechanical panels for drainage and sewer, surface and submerged pumps

Electromechanical panel for three-phase electronic pump. Control via floating switches, pressure switches or level sensors. Integrated level sensor module. Selectable emptying or filling function. Integrated predisposition for connection of the capacitor. No contact for alarm output.

### 1 Sewage/wastewater - surface - borehole pump

#### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QA/60C	362330657	353,00	0,75÷5	0,55÷3,7	2÷8	2÷8

### Accessories

Model	Code	£ Stg
Level sensor kit (3 sensors)	369210100	67,00



# QMD20 Series

## Electromechanical panels for drainage and sewer, surface and submerged pumps

Electromechanical panel for 2 single-phase electronic pumps. Control via floating switches or pressure switches. Integrated electronic exchange module for restart alternation. Selectable emptying or filling function. Self-retaining function (submersible pumps) and remote alarm management only with use of the MSM-MA1 kit (optional).

### 2 Sewage/wastewater - surface - borehole pumps

#### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QMD20/0,37kW-4T-SI-2	362330938	on request	0,55	0,37	2,8 - 3,8	4 (fix)
QMD20/0,55kW-6T-SI-2	362330939	on request	0,75	0,55	3,8 - 5,2	6 (fix)
QMD20/0,75kW-7T-SI-2	362330643	245,00	1	0,75	7	7 (fix)
QMD20/1,1kW-10T-SI-2	362330644	245,00	1,5	1,1	10	10 (fix)
QMD20/1,5kW-13T-SI-2	362330645	245,00	2	1,5	13	13 (fix)
QMD20/2,2kW-18T-SI-2	362330646	255,00	3	2,2	18	18 (fix)

### Accessories

Model	Code	£ Stg
KIT/MSM+MA1 - Kit modules for external alarm and autoretain managing	362331531	268,00
Acoustic and visual warning device on box SALB/6l (with buffer battery integrated)	362331001	1.054,00
Acoustic and visual warning device SAU6l (with buffer battery integrated)	362331003	1.054,00
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	on request
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	on request



optional module required

# SMART Series

## Electronic microprocessor panels for drainage and sewer, surface and submerged pumps

Electronic microprocessor panel for one or two electric pumps. Control via floating switches, pressure switches or level sensors\*. Available optional module for level control sensor. Integrated control for motor overtemperature sensor. Dry operating protection via cosphi. Self-learning function. Various functions available

### 1 Sewage/wastewater - surface - borehole pump

#### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QMD10/17A-A-SMART-K	362330941	on request	0,75÷3	0,55÷2,2	2÷17	2÷17

#### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QTD10/9A-A-SMART-S	362330942	on request	5,5	0,25÷4	1÷9	1÷9
QTD10/17A-A-SMART-S	362330943	on request	10	0,25÷7,5	1÷17	1÷17
QTD10/23A-A-SMART-S	362330944	on request	15	0,75÷11	2÷23	2÷23
QTD10/29A-A-SMART-S	362330945	on request	20	0,75÷15	2÷29	2÷29
QTD10/35A-A-SMART-S	362330946	on request	25	0,75÷18,5	2÷35	2÷35

### 2 Sewage/wastewater - surface - borehole pumps

#### Single phase 230V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QMD20/17A-A-SMART-K	362330947	on request	3	0,09÷2,2	1÷17	1÷17

#### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	Nominal curr. [A]	Protection range [A]
QTD20/9A-A-SMART	362330948	on request	5,5	0,25÷4	1÷9	1÷9
QTD20/17A-A-SMART	362330949	on request	10	0,25÷7,5	1÷17	1÷17
QTD20/23A-A-SMART	362330950	on request	15	0,75÷11	2÷23	2÷23
QTD20/29A-A-SMART	362330951	on request	20	0,75÷15	2÷29	2÷29
QTD20/35A-A-SMART	362330952	on request	25	0,75÷18,5	2÷35	2÷35

## Accessories

Model	Code	£ Stg
Level sensor kit (4 sensors)	362331549	on request
Level sensor kit (5 sensors)	362331550	on request
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001	1.054,00
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003	1.054,00
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543	on request
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528	on request



# Anti-flooding kit

## With alternating or contemporaneity function

Emergency pseudosenoid wave electronic back-up device with integrated exchanger (CSE4-S1) or without (CSE4) to manage drainage pumps in the absence of voltage.

For further information and availability, please contact our sales network.

## Control panels accessories

Model	Code	£ Stg
Acoustic and visual electronic signal ver. on box SALB/6I (a)	362331001	<b>1.054,00</b>
Acoustic and visual electronic signal ver. 6 inputs SAL/6I (b)	362331003	<b>1.054,00</b>
Acoustic signal ver. on box S82/24V 82dB	362331030	<b>on request</b>
Acoustic signal ver. on box S82/230-400V 82dB	362331543	<b>on request</b>
Acoustic and visual electronic signal ver. on box SL82/24V 82dB (c)	362331031	<b>on request</b>
Acoustic and visual electronic signal ver. on box SL82/230-400V 82dB (c)	362331528	<b>on request</b>



# 1/2SP EFC Series

## Electric control panels with two inverters for an electric pump

Electronic panel with frequency converter for power supply, control and protection of one pump (1SP series) or two pumps (2SP EFC series) surface and borehole. Basic function for constant pressure monitoring via external pressure transducer signal. Function for differential pressure control (air conditioning or heating system) using 2 standard pressure transducers.

For 2SP FC single-inverter, exchange with integrated reset switching function.

### 1 inverter

#### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	[A] max
1SP FC 1,5T - 2	362330447	<b>2.880,00</b>	2	1,5	3,5
1SP FC 2,2T - 2	362330448	<b>3.069,00</b>	3	2,2	5
1SP FC 3T - 2	362330449	<b>3.359,00</b>	4	3	7
1SP FC 4T - 2	362330450	<b>3.476,00</b>	5,5	4	9
1SP FC 5,5T - 2	362330451	<b>3.968,00</b>	7,5	5,5	12
1SP FC 7,5T - 2	362330452	<b>4.436,00</b>	10	7,5	15
1SP FC 11SD - 2	362330453	<b>10.272,00</b>	15	11	23
1SP FC 15SD -2	362330454	<b>10.543,00</b>	20	15	31
1SP FC 18,5SD -2	362330455	<b>11.971,00</b>	25	18,5	37
1SP FC 22SD -2	362330456	<b>13.091,00</b>	30	22	43
1SP FC 30SD -2	362330457	<b>15.237,00</b>	40	30	65

### 2 inverter with exchange (EFC)

#### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	[A] max
2SP EFC 1,5T - 2	362330458	<b>3.382,00</b>	2+2	1,5+1,5	3,5
2SP EFC 2,2T - 2	362330459	<b>3.564,00</b>	3+3	2,2+2,2	5
2SP EFC 3T - 2	362330460	<b>3.837,00</b>	4+4	3+3	7
2SP EFC 4T - 2	362330461	<b>4.019,00</b>	5,5+5,5	4+4	9
2SP EFC 5,5 T - 2	362330462	<b>4.559,00</b>	7,5+7,5	5,5+5,5	12
2SP EFC 7,5 T - 2	362330463	<b>4.982,00</b>	10+10	7,5+7,5	15
2SP EFC 11 SD - 2	362330464	<b>12.897,00</b>	15+15	11+11	23
2SP EFC 15SD -2	362330465	<b>13.197,00</b>	20+20	15+15	31
2SP EFC 18,5SD -2	362330466	<b>15.082,00</b>	25+25	18,5+18,5	37
2SP EFC 22SD -2	362330467	<b>16.968,00</b>	30+30	22+22	43
2SP EFC 30SD -2	362330468	<b>19.324,00</b>	40+40	30+30	65



# SP MFC Series

## Electric control panels with two inverters for an electric pump

Electronic panel with two frequency converters for power, control and protection of two surface and borehole pumps. Basic function for constant pressure control via external pressure transducer signal. Function for differential pressure control (air conditioning or heating system) using 2 standard pressure transducers. Integrated reboot switching. Frequency of synchronous operation when both pumps operate.

### 2 inverter (MFC)

#### Three phase 400V +10-15%

Model	Code	£ Stg	HP	kW	[A] max
2SP MFC 1,5 T - 2	362330469	<b>4.195,00</b>	2+2	1,5+1,5	3,5
2SP MFC 2,2 T - 2	362330470	<b>4.958,00</b>	3+3	2,2+2,2	5
2SP MFC 3 T - 2	362330471	<b>5.581,00</b>	4+4	3+3	7
2SP MFC 4 T - 2	362330472	<b>5.760,00</b>	5,5+5,5	4+4	9
2SP MFC 5,5 T - 2	362330473	<b>7.990,00</b>	7,5+7,5	5,5+5,5	12
2SP MFC 7,5 T - 2	362330474	<b>8.695,00</b>	10+10	7,5+7,5	15
2SP MFC 11 T - 2	362330475	<b>10.348,00</b>	15+15	11+11	23
2SP MFC 15T -2	362330476	<b>14.140,00</b>	20+20	15+15	31
2SP MFC 18,5T -2	362330477	<b>16.968,00</b>	25+25	18,5+18,5	37
2SP MFC 22T -2	362330478	<b>18.853,00</b>	30+30	22+22	43
2SP MFC 30T -2	362330479	<b>23.472,00</b>	40+40	30+30	65

### Accessories

Model	Code	£ Stg
Pressure transducer 16 bar 4-20 mA	460500024	<b>126,00</b>
Pressure transducer 25 bar 4-20 mA	460500025	<b>126,00</b>
Shielded cable for pressure transmitter 2x0,5 mm <sup>2</sup> - L=900 mm	367931149	<b>15,00</b>
Shielded cable for pressure transmitter 2x0,5 mm <sup>2</sup> - L=1400 mm	367931151	<b>19,00</b>

Control panel with inverter for 3 or 4 pumps: contact our sales network



# Accessories

## Valves



Model	Code	£ Stg
Check valve FF G $\frac{3}{4}$ " A304 FPM PN16	369800056	49,00
Check valve FF G1" A304 FPM PN16	369800057	57,00
Check valve FF G1" $\frac{1}{4}$ " A304 FPM PN16	369800070	65,00
Check valve FF G1" $\frac{1}{2}$ " A304 FPM PN16	369800050	91,00
Check valve FF G2" A304 FPM PN16	369800051	146,00
Check valve FF G2" $\frac{1}{2}$ " A304 FPM PN16	369800052	251,00
Check valve FF G3" A304 FPM PN16	369800053	347,00
Check valve FF G4" A304 FPM PN16	369800054	706,00

## Valves for submersible pumps (RIGHT, DW, DML)



Model	Code	£ Stg
Threaded ball check valve DN 1" $\frac{1}{4}$ " PN10	369800124	132,00
Threaded ball check valve DN 1" $\frac{1}{2}$ " PN10	369800125	148,00
Threaded ball check valve DN 2" PN10	369800126	180,00
Flanged ball check valve DN 65 PN10	369800127	328,00
Flanged ball check valve DN 80 PN10	369800128	438,00
Flanged ball check valve DN 100 PN10	369800129	575,00
Flanged ball check valve DN 125 PN10	369800130	1.014,00
Flanged ball check valve DN 150 PN10	369800131	1.198,00

## Pressure switches



Model	Code	£ Stg
Pressure switch SQUARE D FSG-2 1,4÷4,6 bar G $\frac{1}{4}$ " F	361700030	29,00
Pressure switch SQUARE D 9013 FYG-22 2,8÷7 bar G $\frac{1}{4}$ " F	361700032	on request
Pressure switch XMP A06B 2131C 1÷6 bar	361700027	56,00
Pressure switch XMX A 06 L2135 1÷6 bar	361700037	62,00
Pressure switch XMP A 06C 2141 C064 1÷6 bar G $\frac{1}{4}$ " F	361700028	on request
Pressure switch FYG-22 2,8÷7 bar G $\frac{1}{4}$ " F Ø9÷12	361700124	57,00
Pressure switch FYG-32 5,6÷10,5 bar G $\frac{1}{4}$ " F	361700031	57,00
Pressure switch XMP A12B 2131C 1,3÷12 bar	361700026	62,00

## Floats



Model	Code	£ Stg
Float 5 m PVC with counterweight	365200005	34,00
Float 10 m PVC with counterweight	365200009	36,00
Float 20 m PVC with counterweight	365200052	71,00
Float Taurus H07RNF 8,8 GTAH3x106GG01 6 m	365231200	75,00
Float Taurus H07RNF 8,8 GTAH3x110GG01 10 m	365231201	96,00
Float Taurus H07RNF 8,8 GTAH3x115GG01 15 m	365231202	119,00
Float Taurus H07RNF 8,8 GTAH3x120GG01 20 m	365231203	149,00
Float RNC-1002 10 m	369250040	72,00

# Accessories

## Cables joint for borehole pumps



Model	Code	£ Stg
GPS-1 (for cables 4x1,5 and 4x2,5)	369210000	29,00
GPS-2 (for cables 4x4 and 4x6)	369210090	39,00
Cast resin cable joint 92A1 (section 1,5÷10 mm2)	371449054	61,00
Cast resin cable joint 92A2 (section 4÷25 mm2)	371449055	130,00

## Body insulation casings



Model	Code	£ Stg
Body insulation casing for DWC	341445015	37,00
Body insulation casing for CDX(L) 70/05 - 70/07 - 90/10 - 120/07 - 120/12 - 200/12	341445019	37,00
Body insulation casing for CDX(L) 120/20 - 200/20 - 200/25	341445020	37,00
Body insulation casing for 2CDX(L) 70/10 - 70/12 - 120/15 - 120/20	341445047	42,00
Body insulation casing for 2CDX(L) 200/30	341445048	42,00
Body insulation casing for 2CDX(L) 70/15 - 70/20 - 120/30 - 120/40	341445049	42,00
Body insulation casing for 2CDX(L) 200/40 - 200/50	341445050	42,00



Body insulation casing for MATRIX 3-2T/0,45(M)	341445022	25,00
Body insulation casing for MATRIX 3-3T/0,65(M)	341445022	25,00
Body insulation casing for MATRIX 3-4T/0,65(M)	341445023	25,00
Body insulation casing for MATRIX 3-5T/0,75(M)	341445031	25,00
Body insulation casing for MATRIX 3-6T/0,9(M)	341445032	25,00
Body insulation casing for MATRIX 3-7T/1,3(M)	341445033	25,00
Body insulation casing for MATRIX 3-8T/1,3(M)	341445034	25,00
Body insulation casing for MATRIX 3-9T/1,5(M)	341445035	25,00
Body insulation casing for MATRIX 5-3T/0,65(M)	341445021	25,00
Body insulation casing for MATRIX 5-4T/0,9(M)	341445024	25,00
Body insulation casing for MATRIX 5-5T/1,3(M)	341445037	25,00
Body insulation casing for MATRIX 5-6T/1,3(M)	341445038	25,00
Body insulation casing for MATRIX 5-7T/1,5(M)	341445039	25,00
Body insulation casing for MATRIX 5-8T/2,2(M)	341445040	25,00
Body insulation casing for MATRIX 5-9T/2,2(M)	341445041	25,00
Body insulation casing for MATRIX 10-3T/1,3(M)	341445042	25,00
Body insulation casing for MATRIX 10-4T/1,5(M)	341445026	25,00
Body insulation casing for MATRIX 10-5T/2,2(M)	341445043	25,00
Body insulation casing for MATRIX 10-6T/2,2(M)	341445044	25,00
Body insulation casing for MATRIX 18-2T/1,5(M)	341445027	25,00
Body insulation casing for MATRIX 18-3T/2,2(M)	341445027	25,00
Body insulation casing for MATRIX 18-4T/3	341445028	25,00
Body insulation casing for MATRIX 18-5T/4	341445029	25,00
Body insulation casing for MATRIX 18-6T/4	341445046	25,00
Body insulation casing Ego 25/XX-180	341445051	on request
Body insulation casing Ego 25/XX-130	341445052	on request
Body insulation casing Ego 32/XX-180	341445053	on request
Body insulation casing Ego Easy DN 25/32	341445054	on request

# Accessories

## Cables for borehole pumps



Model	Code	£ Stg
Flat cable 4x2 connector for 4" OY motor - 10 m	367901021	106,00
Flat cable 4x2 connector for 4" OY motor - 20 m	367901022	189,00
Flat cable 4x2 connector for 4" OY motor - 30 m	367901030	238,00
Flat cable 4x2 connector for 4" OY motor - 40 m	367901023	306,00
Flat cable 4x2 connector for 4" OY motor - 60 m	367901060	438,00
Cable 4x2,5 for 4" OY motor - 40 m	367931128	224,00
Cable 4x2,5 for 4" OY motor - 60 m	367931129	337,00
Cable 4x4 for 4" OY motor - 60 m	367931130	360,00
Cable 4x4 connector for 6" WY6 motor - 4 m	367901011	227,00
Cable 4x4 connector for 6" WY6 motor - 8 m	367901012	351,00

## Manometers



Model	Code	£ Stg
Radial connection, scale from 0÷6 bar Ø mm 50 att. ¼	361600104	16,00
Back/rear connection, scale from 0÷6 bar Ø mm 50 att. ¼	361600007	16,00
Radial connection, scale from 0÷10 bar Ø mm 50 att. ¼	361600160	21,00
Back/rear connection, scale from 0÷10 bar Ø mm 50 att. ¼	361600003	21,00

## Brass fittings - multiway



Model	Code	£ Stg
A 3 ways 1" H 72	369200100	12,00
A 5 ways 1" H 72	369200101	13,00
A 5 ways 1" H 91	369200103	16,00
A 5 ways 1" H 91 nickel-plated	369200106	17,00

## Capacitors 450V



Model	Code	£ Stg
Capacitor MF 40 450V L=250	361430040	24,00
Capacitor MF 50 450V L=150	361410050	26,00
Capacitor MF 60 450V L=150	361401600	26,00
Capacitor MF 70 450V L=150	361410070	29,00
Capacitor MF 80 450V L=150	361403800	29,00

## Air feeders



Model	Code	£ Stg
MINI	369700001	59,00
MIDI	369700002	115,00
MAXI	369700003	153,00


## Air feeders pipes



Model	Code	£ Stg
Tube flexible MINI ¼ x ½ L 700	361900063	16,00
Tube flexible MIDI and MAXI ½ x ¾ L 1000	361900064	24,00

# Accessories

## Cooling sleeve suitable for 4" borehole pumps

	Model	Length diameter [mm]	Code	£ Stg
 <p>a)</p> <p>b)</p> <p>c)</p>	Cooling sleeve 1 - 115x500 a)	115 x 500	369253394	on request
	Cooling sleeve 2 - 115x800 a)	115 x 800	369253395	on request
	Cooling sleeve 3 - 115x1000 a)	115 x 1000	369253396	on request
	Cooling sleeve 4 - 145x500 a)	145 x 500	369253397	on request
	Cooling sleeve 5 - 145x800 a)	145 x 800	369253398	on request
	Cooling sleeve 6 - 145x1000 a)	145 x 1000	369253399	on request
	Filter kit 115x117 b)	115 x 117	369253400	on request
	Filter kit 145x158 b)	145 x 158	369253401	on request
	Bracket kit for cooling sleeve N°1 c)	-	369253402	on request
	Bracket kit for cooling sleeve N°2-3 c)	-	369253403	on request
	Bracket kit for cooling sleeve N°4 c)	-	369253404	on request
	Bracket kit for cooling sleeve N°5-6 c)	-	369253405	on request

## Cooling sleeve selection table

Model	4" pump model	Pipe code	Filter code	Bracket kit code			
WINNER 4N	WINNER 4N1-12 → 48	369253394	369253400	369253402			
	WINNER 4N2-7 → 28						
	WINNER 4N4-4 → 18						
	WINNER 4N7-4 → 12						
	WINNER 4N10-4 → 8						
	WINNER 4N1-68						
	WINNER 4N2-40 → 56	369253395	369253400	369253403			
	WINNER 4N4-27 → 48						
	WINNER 4N7-17 → 42						
	WINNER 4N10-13 → 32						
	WINNER 4N10-44						
	WINNER 4N15-4 → 6						
WINNER 4N15-8 → 20	369253396	369253401	369253404				
WINNER 4N15-27							
4BHS	4BHS/A 2-13 → 36	369253394	369253400	369253402			
	4BHS/A 4-7 → 20						
	4BHS/A 7-4 → 10						
	4BHS/A 2-44 → 51	369253395		369253400	369253403		
	4BHS/A 4-24 → 48						
	4BHS/A 7-12 → 23						
4WN	4WN1-10/38	369253394	369253400	369253402			
	4WN2-5/20						
	4WN3-5/21						
	4WN4-5/18						
	4WN5-4/16						
	4WN6-7/14						
	4WN8-4/8						
	4WN10-7/10						
	4WN3-32				369253395	369253400	369253403
	4WN4-27/48						
	4WN5-24/44						
	4WN6-20/49						
	4WN8-13/32						
	4WN10-14/32						
	4WN12-7	369253397	369253401	369253404			
	4WN12-10/26						
	4WN15-8/20						
	4WN12-38	369253398	369253401	369253405			
4WN15-26							
4WN15-26	369253399						

# Accessories

## PVC pipes



Model	Weight [kg]	Length [m]	Connections	Max. pressure	Code	£ Stg
PVC pipe 3 mt - 1"¼ - 25 bar *	2,5	3	1"¼	25 bar	361900071	on request
PVC pipe 3 mt - 1"¼ - 35 bar *	3,9	3	1"¼	35 bar	361900072	on request
PVC pipe 3 mt - 2" - 35 bar **	6,2	3	2"	35 bar	361900073	on request

\* Minimum order 25 pieces or multiple

\*\* Minimum order 10 pieces or multiple

## PVC pipes adaptors



AISI 304

Model	Connections	Side	Material	Code	£ Stg
Bottom adaptor 1"¼	1"¼	Bottom	AISI 304	361900074	on request
Bottom adaptor 2"	2"	Bottom	AISI 304	361900075	on request
Top adaptor 1"¼	1"¼	Top	AISI 304	361900081	on request
Top adaptor 2"	2"	Top	AISI 304	361900082	on request

## PVC pipes accessories



Model	Connections	Code	£ Stg
Pipe lowering fixture clamps for 1"¼	1"¼	361900078	on request
Pipe lowering fixture clamps for 2"	2"	361900079	on request
Pump guard set (2 flanges + 2 tie-rods + tie-pipe) for PVC pipe for 2"	2"	361900080	on request

## IDROGO - Hydraulic kit for two pumps for pressure tank or inverter driven

Model	Code	£ Stg
Hydraulic discharge kit IDROGO (manifold, valves, pressure switches, pressure gauge)	370100007	529,00

## 6BHE(L) adaptor kit

Model	Code	£ Stg
Kit adaptor 6BHE(L) 6"x 4"	369252409	103,00

## 6" motors - Screws kit for Franklin motors (to coupling to pump)

Model	Code	£ Stg
Set screw + nuts for motor WY6	369250577	44,00

## D-TANK accessories



Model	Code	£ Stg
Plate for D-TANK 600E (1) (max 60 kg)	365800711	121,00
Flange for D-TANK/DRS 2" in cast iron (2)	369251172	86,00
Flange for D-TANK/DRS 1"½ in cast iron (3)	369251171	82,00
Reducer for D-TANK 2" - 1"½ PVC (4)	362700984	19,00
Replacement kit pipe tank 100 l	365800716	61,00

# Accessories

## Spheric tank Approved PED 97/23/CE

Model	Volume litres	Connection	Code	£ Stg
Tank 24 litres 8 bar 1" EPDM	24	1"	367724001	57,00

## Cylindrical horizontal tank Approved PED 97/23/CE

Model	Volume litres	Connection	Code	£ Stg
Tank 24 litres 10 bar ¾ EPDM	24	¾"	367724012	70,00
Tank 24 litres 10 bar 1" EPDM	24	1"	367800024	90,00
Tank 50 litres 10 bar 1" EPDM	50	1"	367800050	206,00
Tank 100 litres 10 bar 1" EPDM	100	1"	367800100	414,00
Tank 200 litres 10 bar 1½ EPDM	200	1½"	367800200	780,00

## Tank inox Approved PED 97/23/CE

Model	Volume litres	Connection	Code	£ Stg
Tank 20 litres horizontal 10 bar AISI 304 EPDM	20	1"	367700025	212,00
Tank 20 litres vertical 10 bar AISI 304 EPDM	20	1"	367700023	190,00
Tank 20 litres vertical 13 bar AISI 304 EPDM	20	1"	367700083	265,00
Tank 20 litres vertical 16 bar AISI 304 EPDM	20	1"	367700086	964,00

## Cylindrical vertical tank Approved PED 97/23/CE

Model	Diameter [mm]	Height [mm]	Volume litres	Connection	Code	£ Stg
Tank 5 litres 10 bar 1" EPDM	160	270	5	1"	367705002	40,00
Tank 8 litres 10 bar ¾ EPDM	200	280	8	¾"	367708000	48,00
Tank 24 litres 10 bar 1" EPDM	270	485	24	1"	367790231	66,00
Tank 24 litres 16 bar 1" EPDM	270	485	24	1"	367790232	186,00
Tank 50 litres 10 bar EPDM	380	770	50	1"	367801050	286,00
Tank 100 litres 10 bar EPDM	450	910	100	1"	367801100	337,00
Tank 200 litres 10 bar EPDM	550	1235	200	1½"	367801200	624,00
Tank 300 litres 10 bar EPDM	630	1365	300	1½"	367801300	906,00
Tank 500 litres 10 bar EPDM	750	1560	500	1½"	367801500	1.579,00

## Cylindrical polyfunctional vertical tank certified NSF 61, CE/PED, WRAS, ACS, Gost

Model	Volume litres	Connection	Code	£ Stg
Tank PWB 2-LX 2L 1,9-10bar 1" GWS	2	1"	367700160	26,00
Tank PWB 8-LX 8L 1,9-10bar 1" GWS	8	1"	367700161	48,00
Tank PWB 18-LX 18L 1,9-10bar 1" GWS	18	1"	367700162	61,00
Tank PEB 24-LX 24L 1,9-10bar 1" GWS	24	1"	367700163	79,00

## Cylindrical polyfunctional horizontal tank certified NSF 61, CE/PED, WRAS, ACS, Gost

Model	Volume litres	Connection	Code	£ Stg
Tank PWB 8-LH 8L 1,9-10bar 1" GWS	8	1"	367700164	47,00
Tank PWB 20-LH 20L 1,9-10bar 1" GWS	20	1"	367724017	61,00
Tank PWB 24-LH 24L 1,9-10bar 1" GWS	24	1"	367700166	90,00
Tank PWB 60-LH 60L 1,9-10bar 1" GWS	60	1"	367700167	139,00
Tank PWB 80-LH 80L 1,9-10bar 1" GWS	80	1"	367700168	214,00
Tank PWB 100-LH 100L 1,9-10bar 1" GWS	100	1"	367700169	272,00

# Accessories

## Vertical tank with base certified NSF 61, CE/PED, WRAS, ACS, Gost

Model	Volume litres	Connection	Code	£ Stg
Tank PWB 60-LV 60L	60	1"	367700174	175,00
Tank PWB 100-LV 100L	100	1"	367700173	303,00
Tank GCB 200-LV 200L 1,9-10bar 1"¼ GWS	200	1¼"	367700170	473,00
Tank GCB 300-LV 310L 1,9-10bar 1"¼ GWS	300	1¼"	367700171	685,00
Tank GCB 450-LV 450L 1,9-10bar 1"¼ GWS	450	1¼"	367700172	994,00

## Vertical tested tank in galvanized stainless steel

Model	Volume litres	Connection	Code	£ Stg
Tank 100 litres 10 bar	100	1"	367700017	469,00
Tank 200 litres 10 bar	200	1"	367700033	1.108,00
Tank 300 litres 10 bar	300	1"	367700018	1.234,00
Tank 500 litres 10 bar	500	1"	367700019	1.554,00
Tank 750 litres 10 bar	750	1"¼	367700071	2.920,00
Tank 1000 litres 10 bar	1000	1"¼	367780522	3.816,00
Tank 1500 litres 10 bar	1500	1"¼	367780512	3.966,00
Tank 2000 litres 10 bar	2000	1"¼	367700369	5.632,00

## Replacement membranes for tanks

Model	Code	£ Stg
18-24 litres cylindrical	365800083	71,00
50 litres cylindrical	369251127	103,00
100 litres cylindrical	365800100	167,00
200 litres cylindrical	369251095	289,00
300 litres cylindrical	369251096	424,00
500 litres cylindrical	369251097	703,00

## OPTIMA - BEST ONE accessories



a)



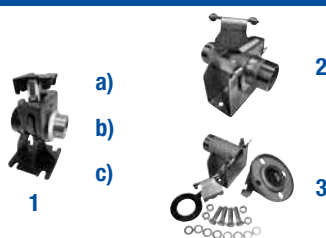
b)

Model	Code	£ Stg
a) 1"¼ hose connector and related clamp	369200300	15,00
b) Minimum suction device up to 3 mm (only for OPTIMA and BEST ONE)	260140110	25,00

## RIGHT accessories

Model	Code	£ Stg
Adaptor for the application of the DW lowering device kit with RIGHT pumps (see DW - DW VOX accessories for the kit)	362700984	19,00

## DW - DW VOX accessories



Model	Code	£ Stg
1 Kit lowering device for DW in cast iron - 2" threaded (1)	369250020	297,00
2 Kit lowering device for DW in stainless steel - 2" threaded (2)	365800550	388,00
3 Kit lowering device for DWF in stainless steel - DN50 threaded (3)	369210235	464,00
4 Fixing Bracket in cast iron for DW-DW VOX (a)	369250922	17,00
5 Hook guidand in cast iron for DW-DW VOX (b)	369250920	139,00
6 Fixed basand in cast iron for DW-DW VOX (c)	369250921	139,00

# Accessories

## Quick discharge connector (QDC) for DS, DVS, DML, DMLV, DL-DL W/C (with cutter)

Model	Code	£ Stg	Modelli					Weight [kg]	Mandata DN
			DS	DVS	DLW/C	DL	DML(V)		
LS 50**	260145086	<b>233,00</b>	50DS 1,5 kW	50DVS 1,5 kW	-	-	-	9	50
LM 50*	260140017	<b>452,00</b>	50DS 2,2÷3,7 kW	-	-	-	-	11	50
LM 65*	260140019	<b>452,00</b>	65DS 1,5 kW	65DVS 1,5÷3,7 kW 80DVS 1,5÷3,7 kW	65DLW/C 1,5 kW	65DL 1,5 kW	-	14	65 80
LM 80*	369210240	<b>543,00</b>	80DS 2,2÷3,7 kW	-	80DLW/C 1,5÷3,7 kW	80DL 1,5÷3,7 kW	80&100 DML(V) 2,2÷3,7 kW	17	80
LL 80*	369250001	<b>1.071,00</b>	-	-	-	80DLC 5,5÷7,5 kW 100DLC 5,5÷7,5 kW	-	44	80 100
LL 100*	369250002	<b>1.232,00</b>	100DS 5,5÷7,5 kW	-	100DLW/C 3,7÷7,5 kW	100DL&DLB 3,7÷18,5 kW	100DML(V) 5,5÷22kW 150DML(V) 5,5÷22kW	46	100 150
LL 125*	260145392	<b>1.760,00</b>	-	-	-	150DL 5,5÷22 kW	-	65	150
LL 150*	260145384	<b>2.281,00</b>	-	-	-	150DL 30÷45 kW 200DL 5,5÷45 kW	-	80	150 200
LL 250*	260145400	<b>3.693,00</b>	-	-	-	250DL 7,5÷22 kW	-	150	250
Adatt. DN300>DN250	260145395	<b>1.523,00</b>	-	-	-	250DL 30÷45 kW	-	-	250
LL 300*	260145385	<b>4.879,00</b>	-	-	-	250DL 30÷45 kW 300DL 11÷45 kW	-	200	250 300

\* Supplied with galvanized chain

\*\* Supplied with rope

## Lowering slide kit

Model	Discharge DN	Code	£ Stg
Adaptor DN 80	80	369210366	on request
Adaptor DN 100 (*)	100	369210365	on request

\* Required only for models DS, DVS, DL-DL W/C, DML, DMLV

## Flange adaptor (C40 STEEL) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Model	Code	£ Stg
Flange adaptor JIS/DIN 80x80	362700978	<b>236,00</b>
Flange adaptor JIS/DIN 80x100	362700979	<b>236,00</b>
Flange adaptor JIS/DIN 100x100	362700980	<b>236,00</b>
Flange adaptor JIS/DIN 100x150	362700981	<b>342,00</b>
Flange adaptor JIS/DIN 150x150	362700982	<b>342,00</b>





## Hook guide - D Series

Model	Code	£ Stg
Adaptor 80DN 1TG F (1 Guides pipe)	362700970	on request
Adaptor 100DN 1TG F (1 Guides pipe)	362700971	on request
Adaptor 150DN 1TG F (1 Guides pipe)	362700972	on request
Adaptor 65 DIN 2TG F (2 Guides pipes)	369251166	<b>350,00</b>
Flange for adaptor 2TG F DN65*	369251173	<b>473,00</b>
Adaptor 80/100 DIN 2TG F (2 Guides pipes)	369251168	<b>359,00</b>
Flange for adaptor 2TG F DN80*	369251174	<b>402,00</b>
Adaptor 100x150 DIN 2TG F (2 Guides pipes)	369251169	<b>368,00</b>
Flange for adaptor 2TG F DN100*	369251175	<b>422,00</b>
Adaptor 150 DIN 2TG F (2 Guides pipes)	369251170	<b>707,00</b>

\* Required only for models DS, DVS, DL-DL W / C, DML, DMLV



# Accessories

DMLF-DMLVF-DSF-DRD-DRS accessories												
Model	QDC*	Code	£ Stg	Elbow for discharge	Code	£ Stg	Tripod	Code	£ Stg	Threaded flange	Code	£ Stg
DMLF												
DSF												
DMLVF												
DRD												
DRS												
DN40	GPADN502T	369251222	<b>373,00</b>	GCF2	369251235	<b>172,00</b>				GF1.½T	369251242	<b>76,00</b>
DN40										GF2	369251243	<b>88,00</b>
DN40										GF2-272 (DRP)	369251245	<b>104,00</b>
DN40				GCF2-272 (DRP)	369251241	<b>293,00</b>						
DN65	GPADN65/8	369251224	<b>609,00</b>	GCDN65	369251236	<b>216,00</b>	PAP65SP02	369251246	<b>156,00</b>	GF2.½	369251244	<b>94,00</b>
DN65	GPADN65/15	369251223	<b>629,00</b>	GCF2.½	369251237	<b>191,00</b>						
DN65	GPADN65/L	369251229	<b>631,00</b>									
DN80	GPADN80/L	369251225	<b>1.219,00</b>	GCDN80/L	369251240	<b>447,00</b>	PAPDN80/L	369251247	<b>190,00</b>			
DN100	GPADN100/L	369251226	<b>1.275,00</b>	GCDN100/L	369251238	<b>545,00</b>	PAPDN100NP07	369251248	<b>217,00</b>			
DN100							PAPDN100SP07	369251249	<b>217,00</b>			
DN125							PAPDN125NP07	369251250	<b>277,00</b>			
DN125							PAPDN125SP07	369251251	<b>277,00</b>			
DN150	GPADN150/L	369251227	<b>2.008,00</b>	GCDN150/	369251239	<b>577,00</b>	PAPDN150	369251252	<b>293,00</b>			
DN150	GPADN150/15	369251232	<b>2.008,00</b>				PAPDN150SP07	369251260	<b>293,00</b>			
DN200	GPADN200	369251230	<b>2.625,00</b>				PAPDN200	369251256	<b>747,00</b>			
DN250	GPADN250/L	369251231	<b>3.036,00</b>				PAPDN250	369251257	<b>809,00</b>			
DN300	GPADN300	369251233	<b>6.168,00</b>				PAPDN300	369251258	<b>3.492,00</b>			
DN350	GPADN350/L	369251234	<b>7.497,00</b>				PAPDN400	369251259	<b>on request</b>			

\* Kit lowering device at 2 guide rails  
For compatible accessories please contact our sales network

# Accessories

## EVMS - Round counterflanges (F, LF)



Model	Max. working pressure [bar]	Size	Q.ty of set	Elastomers	Code Galvanized	£ Stg	Code AISI 316	£ Stg
EVMS(.)1, 3	25	DN25	2	EPDM	364100021	<b>194,00</b>	364300026	on request
			2	FPM	364400021	on request	364400026	on request
EVMS(.)5	25	DN32	2	EPDM	364100022	<b>227,00</b>	364300027	on request
			2	FPM	364400022	on request	364400027	on request
EVMS(.)10	25	DN40	2	EPDM	364100023	<b>260,00</b>	364300028	on request
			2	FPM	364400023	on request	364400028	on request
EVMS(.)15, 20	25	DN50	2	EPDM	364100024	<b>341,00</b>	364300029	on request
			2	FPM	364400024	on request	364400029	on request

## EVMS - Victaulic® coupling (V)



Model	Max. working pressure [bar]	Size	Q.ty of set	Elastomers	Code AISI 316L	£ Stg
EVMS(.)1, 3	25	DN25	2	EPDM	365100120	on request
			2	FPM	365200120	on request
EVMS(.)10, 15, 20	25	DN32	2	EPDM	365100121	on request
			2	FPM	365200121	on request

## EVMS - Victaulic® coupling (V) with pipe stubs



Model	Type	Max. working pressure [bar]	Size	Q.ty of set	Elastomers	Code AISI 316L	£ Stg
EVMS(.)1, 3, 5	with threaded pipe stub sets	25	R1¼	2	EPDM	364100122	on request
				2	FPM	364200122	on request
	with pipe stub sets for welding	25	DN32	2	EPDM	364100123	on request
				2	FPM	364200123	on request
EVMS(.)10, 15, 20	with threaded pipe stub sets	25	R2	2	EPDM	364100124	on request
				2	FPM	364200124	on request
	with pipe stub sets for welding	25	DN50	2	EPDM	364100125	on request
				2	FPM	364200125	on request

## EVMS - Clamp pipe stub for welding (C)



Model	Max. working pressure [bar]	Size	Q.ty of set	Code AISI 316L	£ Stg
EVMS(.)1, 3, 5	25	Ø59	2	375316215	on request
EVMS(.)10, 15, 20	25	Ø87	2	375316216	on request

Clamp coupling is included in the pump.

## EVM - Counterflanges kit



Model	PN	Ø	Type	Code Galvanized/EPDM	£ Stg	Code AISI 304/EPDM	£ Stg	Code AISI 316/FPM	£ Stg
EVMG - EVM 32F	16-25	DN65	Round	364100070	<b>227,00</b>	364500070	<b>714,00</b>	364300070	<b>763,00</b>
EVMG - EVM 45F	16-25	DN80	Round	364400079	<b>268,00</b>	364500079	<b>984,00</b>	364300079	<b>1.040,00</b>
EVMG - EVM 64F	16	DN100	Round	364100071	<b>277,00</b>	364500071	<b>1.039,00</b>	364300071	<b>1.138,00</b>
EVMG - EVM 64F	25	DN100	Round	364200071	<b>326,00</b>	364600071	<b>1.463,00</b>	364700071	<b>1.572,00</b>

# Accessories

## 3 SERIES - Counterflanges kit (complete of gaskets, nuts and bolts)



Model	Code Galvanized	£ Stg	Code AISI 304	£ Stg	Code AISI 316	£ Stg
3M-3S-3P 32	364400001	<b>61,00</b>	364400006	<b>135,00</b>	364300011	<b>190,00</b>
3M-3S-3P 40	364400002	<b>66,56</b>	364400007	<b>152,00</b>	364300012	<b>220,00</b>
3M-3S-3P 50	364400003	<b>66,56</b>	364400008	<b>164,00</b>	364300013	<b>242,00</b>
3M-3S-3P 65	364400000	<b>90,48</b>	364400043	<b>185,00</b>	364300043	<b>353,00</b>

## 3D SERIES - MD - Galvanized counterflanges kit (complete of gaskets, nuts and bolts)



Model	Code	£ Stg
3D-MD-MMD 32	364400001	<b>61,00</b>
3D-MD-MMD 40	364400002	<b>67,00</b>
3D-MD-MMD 50	364400003	<b>67,00</b>
3D-MD-MMD 65	364400000	<b>90,00</b>
MMD 80	369250880	<b>173,00</b>
MMD 100	369250881	<b>223,00</b>
MMD 125	369250882	<b>274,00</b>
MMD 150	369250883	<b>345,00</b>
MMD 200	369250884	<b>491,00</b>

## Ego Easy/Slim Accessories - Module C

Model	Code	£ Stg
Communication module C (on request for single version, as standard for twin version)	369250028	<b>on request</b>

## Ego - MR Accessories - Galvanized counterflanges kit

Model	Code	£ Stg
DN 32 - Galvanized counterflanges kit	364400032	<b>57,00</b>
DN 40 - Galvanized counterflanges kit	364400040	<b>64,00</b>
DN 50 - Galvanized counterflanges kit	364400050	<b>68,00</b>
DN 65 - Galvanized counterflanges kit	364401065	<b>80,00</b>
DN 80 - Galvanized counterflanges kit	364401080	<b>133,00</b>
DN 100 - Galvanized counterflanges kit	364401100	<b>135,00</b>

## Ego - Accessories - Blind flange

Model	Code	£ Stg
Blind flange Ego TC 40 (H)	275190225	<b>48,00</b>
Blind flange Ego TC 50-65-80 (H)	275190226	<b>85,00</b>
Blind flange Ego TC slim 40-120	369500164	<b>56,00</b>
Blind flange Ego TC slim 50-120	369500165	<b>57,00</b>

# Accessories

## Ego Accessories - Pair of cast iron/steel nozzles



Model	Pipe side	Code	£ Stg
Pair of nozzles and related fittings 1"	½" F	369210172	on request
Pair of nozzles and related fittings 1½"	1" F	369210175	on request
Pair of nozzles and related fittings 2"	1¼" F	369210174	on request

## Ego Accessories - Pair of brass nozzles



Model	Pipe side	Code	£ Stg
Pair of brass nozzles and related fittings 1"	½" F	369210026	35,00
Pair of brass nozzles and related fittings 1½"	1" F	369210027	41,00
Pair of brass nozzles and related fittings 1¾"	¾" F	369210179	on request

## LPS Accessories - Counterflanges kit

Model	Code Galvanized	£ Stg	Code AISI 304	£ Stg
DN 25 - Counterflanges kit	364400025	52,00	-	-
DN 32 - Counterflanges kit	364400032	57,00	364300032	113,00
DN 40 - Counterflanges kit	364400040	64,00	364300040	116,00
DN 50 - Counterflanges kit	364400050	68,00	364300050	144,00

## LPC - LPCD Accessories - Counterflanges kit

Model	Code	£ Stg
DN 32 - Galvanized counterflanges kit	364400032	57,00
DN 40 - Galvanized counterflanges kit	364400040	64,00
DN 50 - Galvanized counterflanges kit	364400050	68,00
DN 65 - Galvanized counterflanges kit	364401065	80,00
DN 80 - Galvanized counterflanges kit	364401080	133,00
DN 100 - Galvanized counterflanges kit	364401100	135,00

## LPC - LPCD Accessories- Blind flanges

Model	Code	£ Stg
Blind flange LPCD 40/50-125	369250910	61,00
Blind flange LPCD 50/65/80-160	369250030	71,00
Blind flange LPCD 100/125	369250031	95,00

## Filter holder and cartridges



Model	Code	£ Stg
Filter holder SENIOR 3P SX 10" connect. ¾"	344600014	38,00
Filter holder SENIOR 3P SX 10" connect. 1"	344600015	42,00
Reusable cartridge FA SX 10" wire wrapped (polypropylene)	344600124	9,00
Washable cartridge RL SX 10" in polyester	344600118	17,00
Disposable cartridge LA SX 10" with activated carbon	344600121	17,00
Disposable cartridge HA SX 10" with polyphosphate crystals	344600122	27,00
Disassembly wrench for filter holder SENIOR	365800530	9,00

# Mechanical seals

## CD - CDX(L) - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	111,00
"HS" version	SiC/SiC	Fluoroelastomer (FPM)	200,00
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	212,00
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)	212,00
"E" version	Graphite/Ceramic	EPDM	111,00
"Q1AEGG" version	SiC/Metallised carbon	EPDM	234,00
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM	on request
"VAEGG" version	Ceramic/Metallised carbon	EPDM	on request
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM	on request
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM	on request

## 2CDX(L) - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	118,00
"HS" version	SiC/SiC	Fluoroelastomer (FPM)	209,00
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	216,00
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)	216,00
"E" version	Graphite/Ceramic	EPDM	118,00
"Q1AEGG" version	SiC/Metallised carbon	EPDM	237,00
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM	on request
"VAEGG" version	Ceramic/Metallised carbon	EPDM	on request
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM	on request
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM	on request

## DWO - DWC - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	126,00
"HS" version	SiC/SiC	Fluoroelastomer (FPM)	214,00
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	225,00
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)	282,00
"Q1AVGG" version	SiC/Metallised carbon	Fluoroelastomer (FPM)	on request
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM	on request
"VAEGG" version	Ceramic/Metallised carbon	EPDM	on request
"U3BEGG" version	Tungsten carbide/Graphite	EPDM	on request
"AQ1EGG" version	Metallised carbon/SiC	EPDM	on request

## MATRIX - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	111,00
"HS" version	SiC/SiC	Fluoroelastomer (FPM)	190,00
"Q1AEGG" version	SiC/Metallised carbon	EPDM	on request
"U3Q1EGG" version	Tungsten carbide/SiC	EPDM	on request

## EVM - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg
"U3U3VGG" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	on request

# Mechanical seals

## 3 SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg	
			3M-3S-3P 2, 4 poles up to 11kW	3M-3S-3P 2 poles from 15kW
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	145,00	150,00
"HS" version	SiC/SiC	Fluoroelastomer (FPM)	295,00	312,00
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	295,00	312,00
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)	295,00	312,00
"E" version	Graphite/Ceramic	EPDM	166,00	171,00

## 3L SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg		
			3LM-3LS-3LP 2, 4 poles up to 11kW	3LM-3LS-3LP 2 poles from 15kW 2 poles 80-160, 80-200	3LS-3LP 2 poles 80-250
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	145,00	156,00	156,00
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	301,00	312,00	312,00
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)	301,00	312,00	312,00
"E" version	Graphite/Ceramic	EPDM	167,00	178,00	-
"ES" version	SiC/Graphite	EPDM	-	-	334,00

## 3(L) SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg 3(L)(.)	
			up to 15kW	from 18,5kW
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM	311,00	377,00
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM	313,00	377,00
"Q1Q1EGG" version	SiC/SiC	EPDM	311,00	377,00
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM	311,00	377,00
"Q1AEGG" version	SiC/Metallised carbon	EPDM	311,00	377,00

## 3D SERIES - MD - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg	
			3D-3DS-3DP-MD 2, 4 poles up to 11kW	3D-3DS-3DP-MD 2 poles from 15kW
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)	145,00	150,00
"HS" version	SiC/SiC	Fluoroelastomer (FPM)	295,00	312,00
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)	295,00	312,00
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)	295,00	312,00
"E" version	Graphite/Ceramic	EPDM	166,00	171,00

## 3D SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg	
			3D - 3DS - 3DP up to 15kW	3D - 3DS - 3DP from 18,5kW
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM	311,00	377,00
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM	313,00	377,00
"Q1Q1EGG" version	SiC/SiC	EPDM	311,00	377,00
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM	313,00	377,00
"Q1AEGG" version	SiC/Metallised carbon	EPDM	313,00	377,00

## DW - DW VOX - Price list increase for special mechanical seals

Model	Materials	Elastomers	£ Stg
"U3U3VGG" Version	Tungsten carbide/Tungsten carbide	Fluoroelastomers (FPM)	on request

# Mechanical seals

## Selection guide

Materials	ISO-DIN CODE	Designation
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### Rotating and static parts materials - items 1/2

#### Carbon graphite

Carbon metal impregnated	A	Metal carbon
Carbon resin impregnated	B	Carbon (graphite)
Special carbon	C	Sp. carbon

#### Carbides

Tungsten carbide, CrNiMo bonded	U3	TC (Widia)
Silicon carbides	Q1	SiC
Silicon carbides	Q12	SiC

#### Ceramic

Aluminum oxide	V	Ceramic
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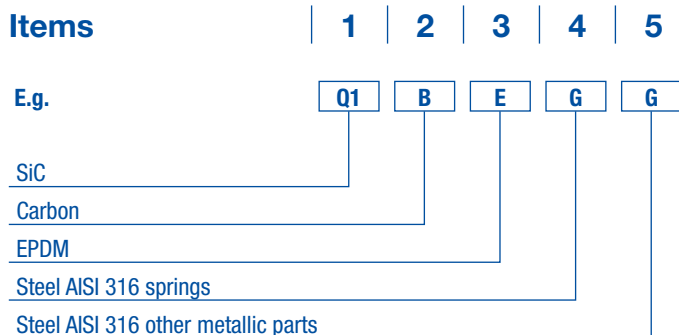
### O-Ring materials - item 3

Nitrile rubber	P	NBR
Ethylene propylene rubber	E	EPDM
Fluoro rubber	V	FPM (Viton)
Universal PTFE	T	PTFE (Teflon)
Perfluorelastomer	K	FFKM (Kalrez)

### Spring and other metallic parts materials - items 4/5

Chromium steel	E	1.4122
Chromium - nickel steel	F	AISI 304 / 1.4301
Chromium - nickel-molybdenum steel	G	AISI 316 / 1.4571
High nickel alloy	M	Superalloy / Hastelloy

### Items



# Pressure loss

## Table

Pressure drop (Pc) in metres of column of water for every one hundred metres of new cast iron pipe. Speed of the liquid in the pipe in metres/second.

Flow rate [m³/h]	Internal diameter [mm]																											
	25	32	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300	350	400	450	500	600	700	800	900	1000		
3	Pc % Vm/s	17 1,70	6 1,03	1,6 0,67	0,54 0,43	0,25 0,29	0,13 0,22	0,06 0,16	0,03 0,13	0,02 0,10																		
6	Pc % Vm/s		24 2,06	6 1,34	2 0,85	0,9 0,58	0,43 0,44	0,21 0,32	0,13 0,26	0,08 0,20	0,026 0,13																	
9	Pc % Vm/s			12,5 2,08	4,3 1,32	1,8 0,89	0,9 0,65	0,46 0,5	0,25 0,39	0,15 0,32	0,06 0,20																	
12	Pc % Vm/s			20 2,76	7 1,76	3,2 1,19	1,5 0,88	0,75 0,67	0,44 0,53	0,25 0,43	0,09 0,27	0,03 0,18																
15	Pc % Vm/s			12 2,2	5,2 1,49	2,4 1,1	1,25 0,87	0,7 0,66	0,42 0,54	0,15 0,34	0,06 0,24																	
18	Pc % Vm/s			17 2,64	7 1,78	3,5 1,3	1,7 1	1 0,78	0,6 0,64	0,2 0,4	0,08 0,28																	
21	Pc % Vm/s			22 3,35	8,8 2,08	4,2 1,54	2,2 1,17	1,3 0,93	0,75 0,75	0,26 0,48	0,1 0,32	0,05 0,24																
24	Pc % Vm/s				12 2,38	5,7 1,76	3 1,34	1,7 1,06	1 0,86	0,36 0,56	0,14 0,36	0,07 0,28																
27	Pc % Vm/s			14 2,7	7 1,97	3,5 1,45	2 1,17	1,25 0,96	0,6 0,6	0,42 0,42	0,17 0,31	0,08 0,31																
30	Pc % Vm/s			17 2,98	8,2 2,2	4,2 1,74	2,5 1,32	1,5 1,08	0,6 0,68	0,5 0,48	0,2 0,34																	
36	Pc % Vm/s			25 3,58	12 2,63	6,3 2	3,5 1,28	2 1,58	0,75 0,82	0,3 0,42	0,14 0,32																	
42	Pc % Vm/s					16 3,07	8,5 2,34	4,5 1,85	2,7 1,5	0,85 0,96	0,33 0,48	0,18 0,37																
48	Pc % Vm/s					21 3,51	10 2,68	6 2,12	3,6 1,72	1,2 1,08	0,45 0,72	0,22 0,56	0,12 0,43	0,06 0,34														
54	Pc % Vm/s					25 3,94	13,5 3	7,6 2,34	4,5 1,92	1,5 1,2	0,55 0,84	0,28 0,48	0,14 0,38	0,08 0,38														
60	Pc % Vm/s						16 3,32	9 2,64	5,5 2,16	1,8 1,36	0,7 0,96	0,33 0,68	0,17 0,53	0,1 0,42														
75	Pc % Vm/s					24 4,17	14 3,31	8 2,68	2,76 1,72	1 1,18	0,49 0,87	0,24 0,67	0,14 0,53	0,08 0,43														
90	Pc % Vm/s						20 3,97	12,5 3,24	3,8 2,04	1,45 1,44	0,74 1,02	0,36 0,8	0,2 0,63	0,14 0,51	0,08 0,42													
105	Pc % Vm/s						26 4,6	16,5 3,74	5,3 2,41	1,95 1,66	0,9 1,22	0,47 0,93	0,27 0,74	0,16 0,59	0,1 0,49													
120	Pc % Vm/s							21,5 4,31	6,9 2,72	2,6 1,93	1,2 1,35	0,61 1,06	0,36 0,84	0,2 0,68	0,14 0,56	0,08 0,47												
135	Pc % Vm/s							26 4,81	9 3,07	3,3 2,13	1,5 1,56	0,76 1,19	0,45 0,95	0,25 0,76	0,17 0,63	0,1 0,53												
150	Pc % Vm/s								11 3,44	4 2,36	1,9 1,74	0,95 1,34	0,55 1,05	0,3 0,86	0,21 0,70	0,12 0,59	0,06 0,43											
165	Pc % Vm/s								13 3,75	4,7 2,61	2,2 1,91	1,13 1,46	0,65 1,15	0,37 0,94	0,24 0,77	0,15 0,65	0,08 0,48											
180	Pc % Vm/s								15,2 4,09	5,5 2,83	2,6 1,59	1,3 2,08	0,76 1,26	0,43 1,02	0,29 0,84	0,18 0,71	0,09 0,52											
210	Pc % Vm/s								21 4,70	7,4 3,32	3,5 2,43	1,8 1,86	1,1 1,49	0,6 1,19	0,37 0,98	0,24 0,82	0,12 0,61	0,06 0,47										
240	Pc % Vm/s								9,4 3,78	4,3 2,77	2,3 2,12	1,3 1,68	0,75 1,36	0,48 1,12	0,3 0,95	0,15 0,69	0,08 0,53											
270	Pc % Vm/s								12 4,26	5,5 3,13	2,8 2,39	1,62 1,90	0,9 1,53	0,58 1,26	0,35 1,07	0,18 0,78	0,09 0,59											
300	Pc % Vm/s								14 4,75	7,5 3,47	3,4 2,66	2 2,10	1,1 1,71	0,74 1,40	0,46 1,18	0,22 0,86	0,11 0,67	0,07 0,53										
360	Pc % Vm/s								9 4,15	4,7 3,17	2,8 2,53	1,6 2,04	1 1,68	0,65 1,41	0,32 1,04	0,16 0,79	0,09 0,63	0,05 0,51										
420	Pc % Vm/s								11,6 4,86	6,2 3,72	3,5 2,94	2 2,37	1,3 1,96	0,82 1,64	0,41 1,22	0,21 0,94	0,12 0,76	0,07 0,59	0,03 0,41									
480	Pc % Vm/s									8,5 4,24	4,9 3,36	2,9 2,72	1,9 2,24	1,2 1,90	0,6 1,38	0,3 1,06	0,17 0,84	0,09 0,69	0,04 0,47									
540	Pc % Vm/s									11 4,78	6,5 3,80	3,7 3,06	2,35 2,52	1,52 2,13	0,75 1,56	0,38 1,19	0,22 0,94	0,12 0,76	0,05 0,53									
600	Pc % Vm/s									12,2 5,30	7,4 4,20	4,3 3,40	2,7 2,81	1,7 2,36	0,9 1,73	0,45 1,34	0,25 1,06	0,13 0,86	0,06 0,61	0,03 0,44	0,024 0,4							
660	Pc % Vm/s									9 4,61	5,2 3,76	3,3 3,07	2,1 2,59	1,1 1,89	0,54 1,46	0,3 1,15	0,16 0,93	0,06 0,65	0,04 0,48									
720	Pc % Vm/s									10 5,05	6 4,08	3,8 2,84	2,5 2,08	1,3 1,65	0,52 1,26	0,35 1,26	0,19 1,02	0,075 0,71	0,05 0,52									
780	Pc % Vm/s										7,3 4,43	4,5 3,65	3 3,08	1,5 2,26	0,75 1,73	0,42 1,36	0,23 1,11	0,08 0,77	0,04 0,56									
840	Pc % Vm/s										8 4,76	5,4 3,95	3,4 3,31	1,7 2,43	0,85 1,86	0,48 1,47	0,26 1,19	0,1 0,83	0,047 0,61									
900	Pc % Vm/s											9 5,1	5,8 4,22	3,75 3,54	1,9 2,60	0,96 2,00	0,53 1,57	0,29 1,27	0,11 0,88	0,053 0,65								
960	Pc % Vm/s												6,5 4,49	4,3 3,78	2,1 2,77	1,1 1,68	0,36 1,36	0,14 0,95	0,06 0,70									
1020	Pc % Vm/s												7,2 4,76	4,6 4,01	2,45 2,94	1,2 2,26	0,67 1,78	0,35 1,44	0,14 1,00	0,065 0,77	0,033 0,54							
1080	Pc % Vm/s													5,4 4,26	2,8 3,12	1,4 2,38	0,78 1,86	0,43 1,53	0,16 1,06	0,073 0,78	0,037 0,57							
1140	Pc % Vm/s													6 4,49	3,2 3,29	1,53 2,53	0,86 1,99	0,46 1,65	0,175 1,12	0,08 0,84	0,043 0,61	0,037 0,52						
1200	Pc % Vm/s													6,5 4,72	3,4 3,45	1,7 2,68	0,93 2,12	0,5 1,72	0,19 1,23	0,09 0,88	0,046 0,63	0,04 0,54	0,025 0,4					

It is possible to estimate the pressure drops caused by accessories with the following comparisons:

- Foot valve: like 15 m piping
- Non-return valve: like 10 m piping
- Gate: like 5 m piping
- Bends and elbows: like 5 m piping

For piping different to the new cast iron ones, multiply the table data for the following coefficients:

- stainless steel . . . . . 0,8
- PVC . . . . . 0,7
- gres . . . . . 1,17
- rolled steel . . . . . 0,8
- galvanized steel . . . . . 0,8
- slightly rusty pipes . . . . . 1,25
- rust pipes with a lot of deposits . . . . . 2,1

Recommended discharge diameter

Recommended suction diameter



# EBARA Pumps Network

## Contact List

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Export Sales (for order only):  
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Technical Customer Service (TCS):  
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**EBARA Vietnam Pump Company Limited**  
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### AMERICA

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**EBARA Industrias Mecanicas  
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sales@ebara.com.au  
www.ebara.com.au/index.html

# Carriage charges

All prices are nett

Any damages must be reported within 24 hours of delivery.

Mainland UK, Scotland and Northern Ireland. Single or Multiple boxes					
Total weight	2 - 3 days	Next Day	Next Day AM	Next Day Before 10.00	Sat AM
Up to 10	£15	£20	£24	£30	£42
from 11 to 30	£20	£22	£26	£44	£65
from 31 to 50	£24	£26	£33	£52	£74
from 51 to 70	£28	£30	£39	£60	£84
from 71 to 100	£37	£39	£47	£72	£97

Pallet Rates - Mainland UK				
Description	Economy	Next Day	Next Day AM	Sat AM
Quarter pallet	£51	£56	£78	£110
Half pallet	£56	£67	£88	£132
Full pallet	£61	£72	£97	£153

Pallet Rates - Scotland, Northern Ireland & Eire				
Description	Economy	Next Day	Next Day AM	Sat AM
Quarter pallet	£72	£83	£105	£110
Half pallet	£78	£94	£121	£132
Full pallet	£94	£110	£137	£148

Note: Next Day\* - 2 days service for Eire

Next Day AM \*\* - Scotland and Northern Ireland only

Sat AM\*\*\* - Scotland only

Pallet size (w x d x h): - Quarter ..... to 1.2m x 1.2m x 0.6m - Max weight 250kg  
 - Half ..... to 1.2m x 1.2m x 1.0m - Max weight 500kg  
 - Full ..... to 1.2m x 1.2m x 1.8m - Max weight 1.000kg

# General conditions of sale

## SCOPE

The following conditions are valid for all quotations and sales/services of pumps and accessories by EBARA Pumps Europe S.p.A. UK unless otherwise provided in writing for any particular quotation or sale.

## QUOTATIONS

Quotations are valid for 30 days from the date of issue unless otherwise stated in writing and are subject to confirmation by EBARA Pumps Europe S.p.A. UK at the time of acceptance. All prices are exclusive of VAT.

## ORDERS

Acceptance of orders based on quotations is confirmed by EBARA Pumps Europe S.p.A. UK prior to processing. The goods will be supplied at the confirmed price subject to any required amendment to take account of changes in trade conditions, raw material supply, imposed taxes or similar occurrences beyond the control of EBARA Pumps Europe S.p.A. UK. Orders may be cancelled only with the agreement of EBARA Pumps Europe S.p.A. UK in writing and against payment of its charges. A minimum order charge applies in all cases £50 nett exclusive of carriage. Orders processed by 2pm will be dispatched, orders processed after 2pm will be dispatched the following day. Returned goods will be subject to a 25% restocking charge.

## DELIVERY

All delivery times are given ex our warehouse, unless otherwise notified in writing. EBARA Pumps Europe S.p.A. UK does not accept any liability for delays in delivery which result from force majeure or any other causes outside its influence or control. Should the Purchaser fail to comply with agreed conditions of terms of payment EBARA Pumps Europe S.p.A. UK shall be entitled to terminate the contract. Damaged goods must be claimed within 48 hours of dispatch, claims after this will not be entered into.

## DESPATCH

All quoted prices are ex EBARA Pumps Europe S.p.A. UK warehouse unless otherwise stated. Next day delivery applies to England & Wales, excluding off shore islands. All other areas should be agreed in writing when placing an order.

## CLAIMS

Written notice giving full details of Claims which are not covered by the guarantee contained in clause 10 must be received by EBARA Pumps Europe S.p.A. UK not later than seven days after delivery to the Purchaser of goods. After this date the Purchaser shall be deemed to have accepted the goods as conforming to their order.

## PAYMENTS

All goods are to be paid in cash prior to delivery unless a credit account has been agreed. Credit payment terms are 30 days net from invoice date, unless otherwise agreed in writing. Overdue accounts will be subject to monthly interest charges up to a maximum of 2% per month over our Bankers Minimum Lending Rate. A full month's interest will be charged for any part of a month. The Purchaser has no right to withhold payment due to possible claims against EBARA Pumps Europe S.p.A. UK unless agreed to by EBARA Pumps Europe S.p.A. UK in writing.

## EXTRA COST

Should EBARA Pumps Europe S.p.A. UK incur costs as a result of suspension or alteration of the work due to the Purchaser's instructions or lack of instructions, or by reason of interruptions, delays, overtime, unusual hours, mistakes or work occasioned by the act or default of the Purchaser, such cost shall be added to the contract price and paid by the Purchaser.

## BAILEE

Until the purchase price is fully paid to EBARA Pumps Europe S.p.A. UK, the Purchaser shall remain a bailee only and the goods shall remain the property of EBARA Pumps Europe S.p.A. UK. If the Purchaser fails to pay any amount due to EBARA Pumps Europe S.p.A. UK on the due date for payment or be the cause of any other default, EBARA Pumps Europe S.p.A. UK shall at any time thereafter be entitled to repossess the goods. In addition, the Purchaser shall indemnify EBARA Pumps Europe S.p.A. UK against any loss or injury howsoever arising from the default. Irrespective of the retention of property in the goods by EBARA Pumps Europe S.p.A. UK in accordance with the above provisions, all goods supplied by EBARA Pumps Europe S.p.A. UK to the Purchaser shall be at the risk of the Purchaser as soon as they are delivered by EBARA Pumps Europe S.p.A. UK in accordance with the Purchaser's order.

## GUARANTEE/WARRANTY

EBARA Pumps Europe S.p.A. UK gives a 12 months guarantee from the date of sale by EBARA Pumps Europe S.p.A. UK (or a Distributor, upon production of proof of sale) on all goods manufactured or supplied by it. If within this period any defect is discovered in respect of workmanship, construction or material, EBARA Pumps Europe S.p.A. UK undertakes to make good the defect or replace the defective part at its expense inside normal working hours at our premises, provided that we are notified immediately the defect is discovered and that the correct warranty procedure as laid down by EBARA Pumps Europe S.p.A. UK at the operative time is strictly followed in each and every case. All units or parts thereof subject to a claim under this guarantee and warranty procedure must be returned to our premises carriage paid if required by EBARA Pumps Europe S.p.A. UK. A replacement unit or part will be supplied under invoice if requested. In the event that the claim is found to be justified, the cost of the carriage will be reimbursed and a new unit or part supplied under invoice if required and a credit note raised for the faulty unit or part. If the claim is found to be unjustified, the Purchaser will be given the option of having the unit or part thereof returned or repaired at his cost at current rates. All such units or parts thereof will be held pending the decision of the Purchaser for one month before being scrapped in line with our environmental policy. Spares or repaired parts will be delivered ex warehouse exclusive of fitting. Returned goods may be rejected unless completed paperwork has been forwarded to our claims department. Goods received without paperwork may be kept for 30 days, thereafter, they will be scrapped and claim will be null and void. This guarantee does not apply to defects caused by incorrect application, fitting or erection, abnormal conditions of working, accident, misuse or neglect. The responsibility of EBARA Pumps Europe S.p.A. UK is in all cases limited to the cost of making good the defect or replacing the defective part and EBARA Pumps Europe S.p.A. UK excludes all liability for any consequential or other damage or losses which may occur. This includes delays caused by any carrier or transport.

EBARA Pumps Europe S.p.A. UK reserves the right to alter these Conditions at short notice to meet operating requirements

Certificate GB97/9052



The management system of

# Ebara Pumps UK Ltd

Unit 7, Zodiac Park, High Road, Cowley,  
Uxbridge, Middlesex, UB8 2GU, UK

has been assessed and certified as meeting the requirements of

## ISO 9001:2008

For the following activities

**Supply of firm's range of standard and specific pumps.**

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organisation

This certificate is valid from 24 January 2015 until 24 January 2018 and remains valid subject to satisfactory surveillance audits.

Re certification audit due before 24 January 2018

Issue 11. Certified since 24 January 1997



Authorised by

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