



I Application

The KSF pumps are sanitary progressive cavity pumps. They are self-priming due to their design and can suction from a maximum height of 7 meters. This type of pumps can transfer products of both low and high viscosity, as well as products containing particles. It is widely used in the wine industry to transfer liquids, wines, lees, and also in filtration and bottling processes.

I Operating principle

Friction between the rotor and the stator creates vacuum in the inlet area thereby helping the entry of the product into the pump. The turning motion of the rotor makes the cavities between the rotor and the stator move forward and transport the product to the outlet.

I Design and features

- Close-coupled construction.
- Pump with stainless steel trolley.
- EC electric box with inverter and 10m cable with plug.
- Reversible and self-priming.
- Frequency inverter in the control panel.
- Geared motor 3 ph 230/400 V. Y, 400 V, 50Hz, IP-55, IE2.
- DIN 11851 connections..
- Pump housing with drain port.
- Ra ≤ 0.8 μm surface finish.
- White painted.

EC control panel with frequency inverter



Pressure bypass Liquid sensor



I Materials

Parts in contact with the product	AISI 316L (1.4404)
Lantern	GG 22
Stator	NBR black according to FDA
Gaskets	NBR according to FDA
Mechanical seal	Cer/C/NBR



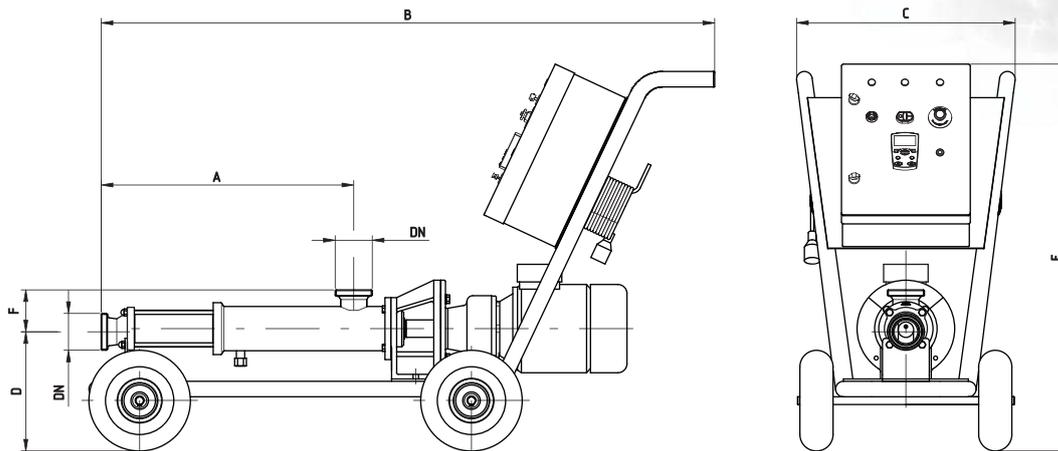
I Options

- Drainage with ball valve.
- Liquid sensor with timer.
- Bypass pressure relief valve.
- Mechanical seal SiC/C and SiC/SiC.
- Connections SMS, Clamp, Macon, Garolla, etc.
- Remote control.
- Mechanical speed variator(Control range).
- St.St. electric panel.

I Technical specifications

Max.flow	45 m ³ /h	198 US GPM
Max.working pressure	6 bar	87 PSI
Max.working temperature	85°C	185°F

I General dimensions



Pump	DN	Flow ¹ m ³ /h	Pressure ² bar	Speed rpm	Power kw	A	B	C	D	E	F	Weight kg	Code
KSF-20*	40 1 1/2"	0,3 – 1,7	6 max.	250 - 1000	0,75	325	1040	560	216	905	83	62	D3601-0131007CVN
KSF-25	50 2"	0,9 – 4			2,2	439	1385		293		93	79	D3602-0131022CVN
KSF-30	50 2"	1,4 – 6			2,2				290		96	80	D3603-0131022CVN
KSF-40	65 2 1/2"	2 – 9		160 – 650	3	637	1645	308	108	130	D3604-0134030CVN		
KSF-50	80 3"	4 – 15		150 – 550	4	712	1725	304	1032	145	D3605-0135040CVN		
KSF-60*	100 4"	5 – 20		100 – 400	5,5	860	1870	590	331	1100	149	262	D3606-0138055CVN
KSF-80*	100 4"	10 - 45	4 max.	100 - 400	7,5	990	2000		317		163	285	D3608-0138075CVN

(1) Nominal capacity for liquids at the maximum pressure of 2 bars
 (2) Maximum pressure with the indicated power
 (*)Trolley with three wheels

