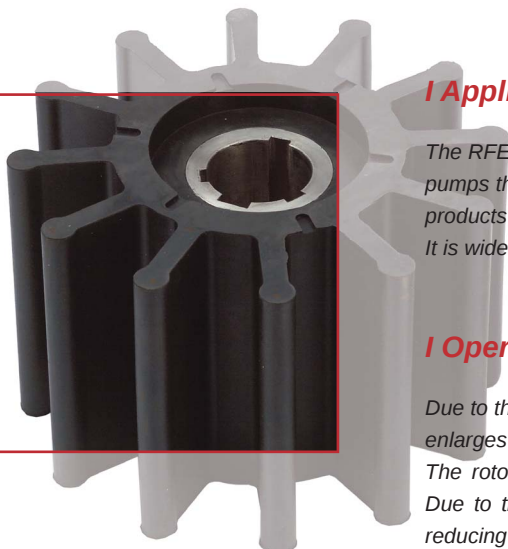




I Application

The RFE pump is a flexible impeller pump. Due to the design, they are reversible self-priming pumps that can suction from a maximum height of 5 meters. This type of pumps can transfer products of both low and high viscosity as well as products containing particles or gases. It is widely used for the transfer of wine, must and lees.

I Operating principle

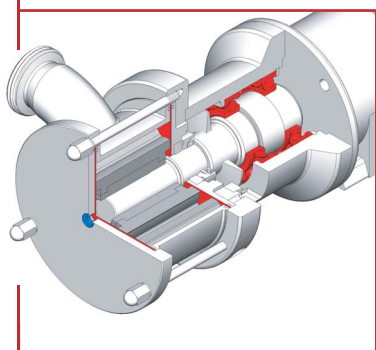
Due to the eccentric shape of the pump housing, a vacuum is created in the suction side that enlarges the volume between the blades and this causes the product suction. The rotor is spinning and the product is carried from the suction side to that of delivery. Due to the eccentric shape of the pump housing, in the discharge side the blades bend, reducing the volume between them and causing the discharge of the product.

I Design and features

Close-coupled construction.
 Machined investment casting housing.
 Connections DIN 11851.
 External single mechanical seal.
 Motor: 2 speed gear motor , 356/721 rpm, 3 ph, 230/400 V, 50 Hz, IP55.
 CE electric panel and 10 m cable with plug.
 St.St. trolley.
 Friction disks.
 Temperature sensor.
 Easy maintenance.
 Red painted RAL3003.



Temperature sensor



I Materials

Parts in contact with pumped media
 Lantern and bearing support
 Other parts
 Impeller
 Gaskets
 Mechanical seal
 Surface finish

AISI 316L
 AL
 AISI 304
 CR (Neoprene)
 NBR
 Cer/C/NBR
 blasted



I Options

Mechanical seal: SiC/SiC y SiC/C.

Lip seal.

Connections: SMS, Clamp, Macon, Garolla, etc.

Motors with other protections.

Frequency converter (Control Range).

St.St. control panel.



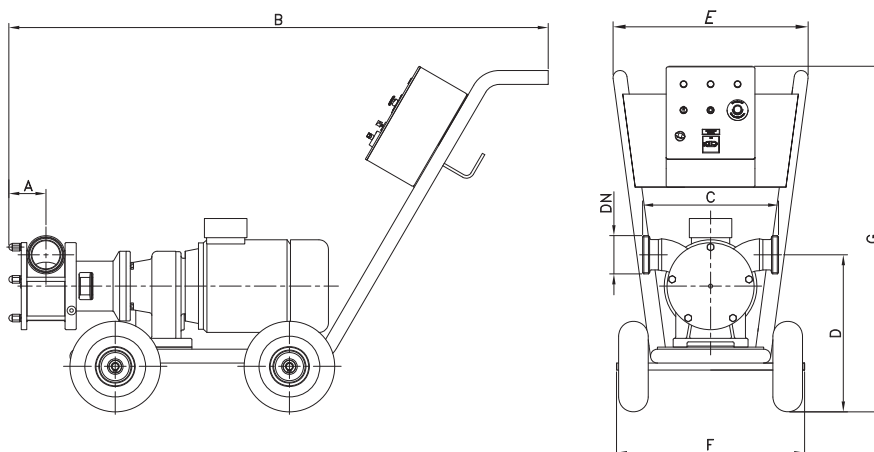
I Technical specifications

Max.flow	50 m ³ /h	220 GPM
Max.differential pressure	2,5 bar	36 PSI
Working temperature	+3 °C to +80 °C	37 °F to 176 °F
Max.speed	1000 rpm	

Pump	Flow ¹ m ³ /h	Pressure bar	Speed rpm	Power kW	Weight kg
RFE-22/50	13 / 26	1,5 / 2	356 / 721	2,6 / 3,1	205
	21 / 38	2 / 2,5	509 / 1018	3,7 / 4,4	225
RFE-50/80	25 / 50	1,5	356 / 721	4,7 / 5,9	282
		2,5			

(1) Nominal flow for clean non-viscous liquids.

I General dimensions



Pump	Ø DN	A	B	C	D	E	F	G	Code
RFE-22/50	50 / 2"	97	1530	330	390	560	540	980	D1122-0145917CR
					405				D1122-0146918CR
RFE-50/80	80 / 3"	107	1550	390	450	560	540	980	D1150-0145918CR
					450				D1150-0147928CR



The information is for guidance only. We reserve the right to modify any material or feature without notice in advance.
Photos are not binding. For further information, please, consult our web site. www.inoxpa.com

