

Submersible pumps for dirty water

Applications

Draining of flooded excavations and marshy ground.
Irrigation from rainwater reservoirs, ditches, ponds and watercourses.

Motor

Squirrel cage motor in a dielectric, cooled with non-toxic oil, which ensures the lubrication of the ball bearings and more efficient cooling.
IP 68 protection.
Single-phase: 220-240 V 50 Hz, with built-in automatic reset overload protection and capacitor housed in a control box on the cable.
Three-phase: 220-240 or 380-415 V 50 Hz. Overload protection to be provided by user and installed in the control box.

Materials

Pump body in cast iron.
(coated with polybutadiene varnish by electrophoresis at 180 °C.)
Impeller in steel and nitrile rubber.
Wear flange, suction screen and motor casing in AISI 304 stainless steel.
Mechanical seal in carbon/ceramic/nitrile rubber.
O-ring in nitrile rubber.
Shaft extension in AISI 303 stainless steel.

Equipment

With 5 m power cord.

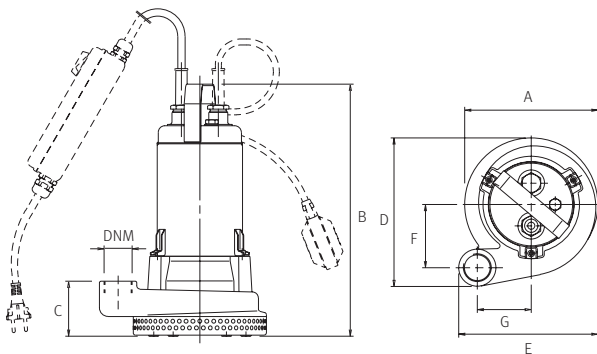
Limitations

Maximum liquid temperature:
50°C with fully submerged pump;
25°C with partially submerged pump.

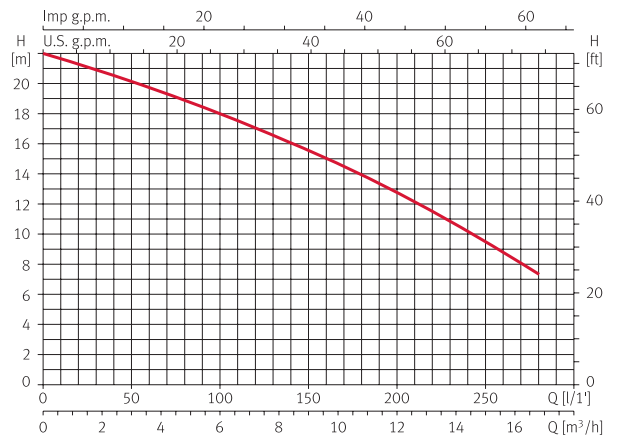


Dimensions and weights

Model	A	B	C	D	E	F	G	DNM	kg
DF 75	∅ 200	380	81	223	209	95	81	Rp 1 1/4"	19,5



Performance curves at 2900 rpm



Hydraulic performance table

Model	I (A)			P1 (kW)		P2		μF	l/min	25	50	100	200	250	300	350	400
	1~ 230 V	230 V	3~ 400 V	1~	3~	(kW)	(HP)										
DF 75	5,8	3,6	2,1	1,1	1	0,75	1	25	mwc	21,1	19	17	11,4	9,5	4		