



INSTALLATION AND USE

This pump is manufactured from heavy gauge robust cast iron, resistant to abrasion and long-lasting, are fitted with a VORTEX impeller and are therefore suitable for draining dirty, filthy and reflux water, and water mixed with putrid mud.

Suitable for installation in sewers, tunnels, excavations, canals, underground car parks etc.

SUITABLE FOR

- Filthy water
- Domestic use
- Civil use
- Industrial use



PERFORMANCE RANGE

- Flow rate up to 1200 l/min (72m³/h)
- Head up to 16m

APPLICATION LIMITS

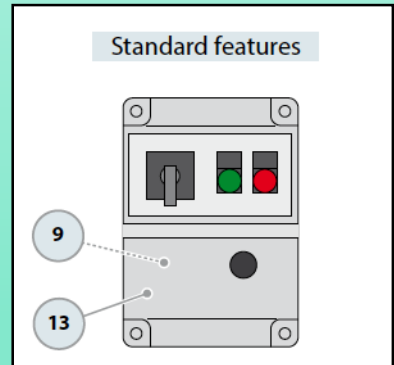
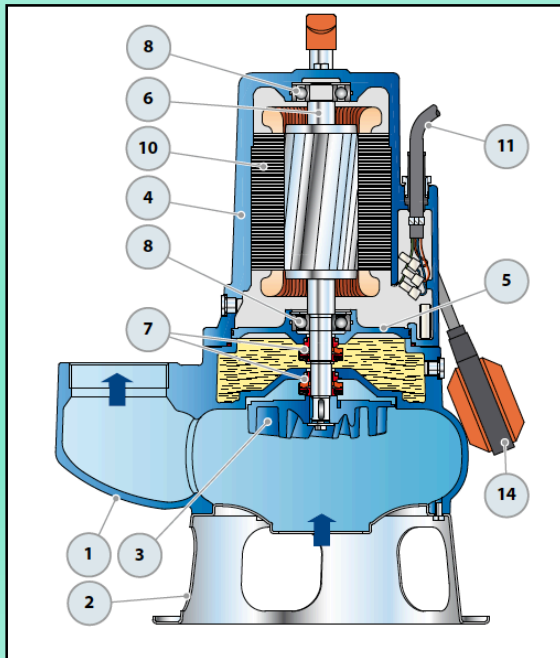
- 10m maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature +40°C
- Passage of solids up to Ø 50mm
- Minimum immersion depth for continuous service 390mm

EXTRAS

- We can also manufacture a stand for the sewage pump. Please ask if you are interested in more information.



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron with threaded port in compliance with ISO 228/1				
2	BASE	Stainless steel AISI 304				
3	IMPELLER	VORTEX type in cast iron with an Epoxy Electro Coating treatment				
4	MOTOR CASING	Cast iron				
5	MOTOR CASING PLATE	Cast iron				
6	MOTOR SHAFT	Stainless steel AISI 431				
7	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER					
	<i>Seal</i>	<i>Shaft</i>	<i>Position</i>	<i>Materials</i>		
	<i>Model</i>	<i>Diameter</i>		<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
	STA-20	Ø 20 mm	Motor side	Ceramic	Graphite	NBR
	STA-19	Ø 19 mm	Pump side	Silicon carbide	Silicon carbide	NBR
8	BEARINGS	6304 ZZ—C3 / 6304 ZZ—C3				
9	CAPACITOR	Capacitance 60 µF 450 VL				
10	ELECTRIC MOTOR	Single-phase 230V— 50Hz with thermal overload protector incorporated into the winding to be connected to the control box (supplied on demand) Insulation: class F Protection: IP X8				
11	POWER CABLE	10 metres long				
13	CONTROL BOX	QES 300 MONO series				
14	FLOAT SWITCH					

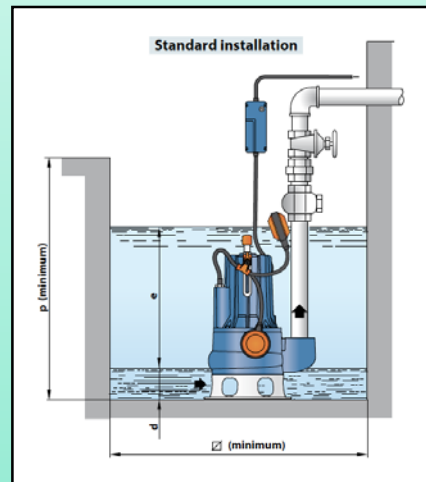
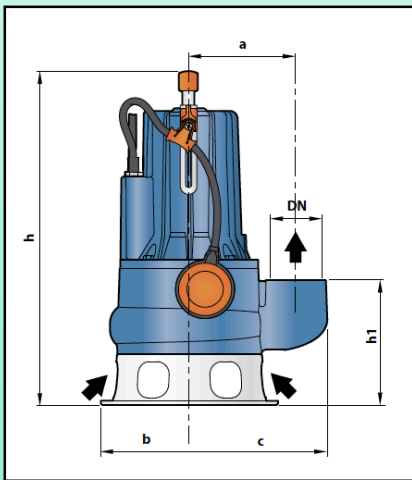


PERFORMANCE DATA

Q= Flow rate H = Total manometric head

POWER		Q	m ³ /h	0	6	12	18	21	24	30	36	42	48	51
kW	HP		l/min	0	100	200	300	350	400	500	600	700	800	850
2.2	3		H metres	16	15	14	13	12.3	11.5	10	8	5.9	3.3	2

DIMENSIONS AND WEIGHT



PORT DN	Passage of solids	Dimensions mm									kg	
		a	b	c	h	h1	d	e	p	□	1~	3~
2 1/2"	Ø50 mm	162	135	210	522/50 9	191	75	variable	800	800	41.2	38.0

ABSORPTION

VOLTAGE: 230V - 8.8A 240V - 8.7A