



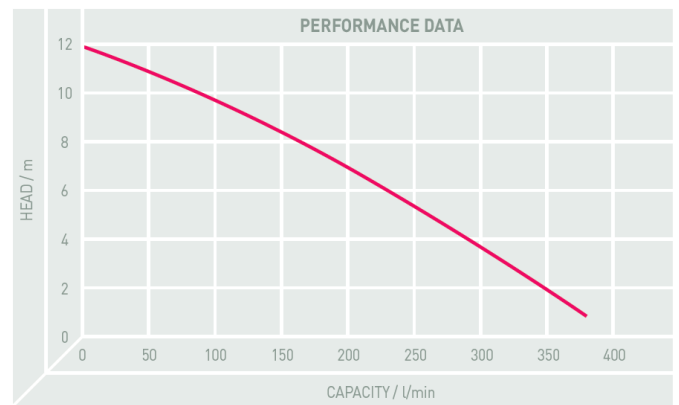
The Liberator Vortex is an extension to the Liberator range of submersible dewatering pumps. This model has high resistance to liquids containing sand and gravel with a motor frequency of 50Hz. It is able to withstand harsh conditions particularly amongst the abrasive material in sludge content. It is suitable for a range of different applications, including emergency dewatering.

Features

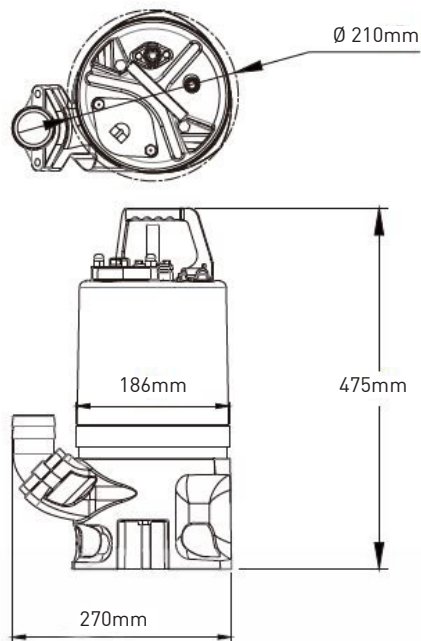
- High resistance to liquids containing sand and gravel
- Steel coated with thermoplastic polyester elastomer
- Free passage to 38 mm in diameter
- Light weight
- Durable construction
- Pump body is highly resistant to impact
- Quick & easy replacement of wear components

Applications

- Hire fleets
- Construction and industrial sites
- Tunneling, public works and flooding
- Emergency situations

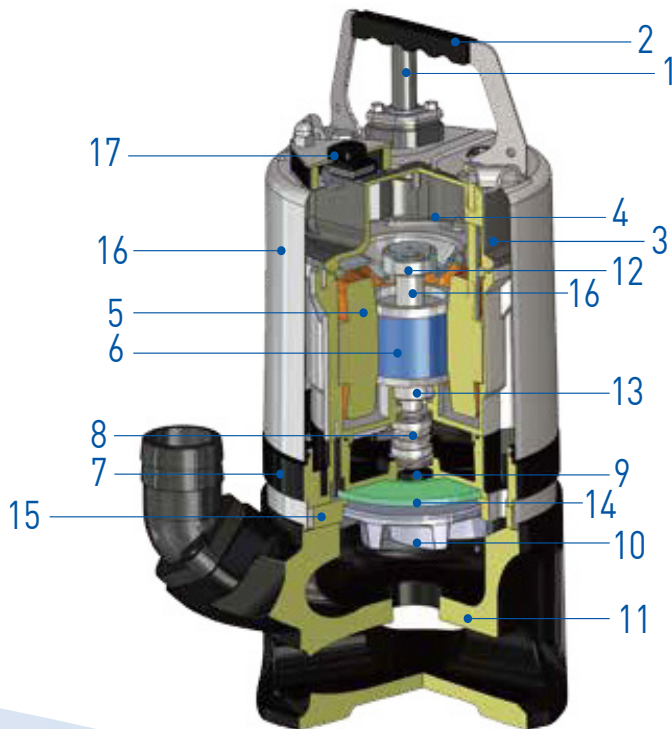


PUMP TYPE	OUTPUT		DISCHARGE INCH	F.L.A			RATED		MAXIMUM		CABLE LENGTH m	FREE PASSAGE mm	WEIGHT kg
	HP	kW		1Ø 110V	1Ø 230V	3Ø 400V	HEAD m	CAP. LPM	HEAD m	CAP. LPM			
PH/LIBV750/110V	1	0.75	2	11.5	-	-	8	165	11.7	380	10	38	15
PH/LIBV750/230V	1	0.75	2	-	5.6	-	8	165	11.7	380	10	38	15
PH/LIBV750/400V	1	0.75	2	-	-	2	8	165	11.7	380	10	38	15



LIQUID TEMPERATURE		0~40 °C (32~104 °F)
SUBMERSIBLE DEPTH		10M
MOTOR PART	FREQUENCY	50Hz
	POLE	2 POLE
	TYPE	DRY TYPE
	INSULATION	CLASS B
	PROTECTION	IP 68
PUMP PART	PROTECTOR	AUTO-CUT
	BEARING	BALL TYPE
	MECHANICAL SEAL	DUAL. MECHANICAL SEAL
	IMPELLER	SEMI-OPEN

LIBERATOR® VORTEX PARTS



PARTS & MATERIAL LIST		
NUMBER	PART	MATERIAL
1	CABLE	H07RN-F/SJTW/STOW
2	Handle	Steel + NBR
3	Motor Cover	ADC Aluminum
4	Upper Bearing Bracket	Steel
5	Motor Housing + Stator	ADC/Silicone Steel
6	Shaft with Rotor	SUS 410
7	Oil Chamber	ADC Aluminum
8	Mechanical Seal	CA/CE + SIC/SIC
9	Oil Seal	NBR
10	Impeller	Hytrell
11	Pump Casing	Hytrell
12	Upper Bearing	NTN
13	Lower Bearing	NTN
14	Wearing Plate	PA 66 Plastic
15	Volute Liner	NBR
16	Outer casing	SUS 304
17	Air Exhaust	NBR / 304