

Model VORTEX 75/25

Description Top-quality heavy-duty construction pump suitable to pump sewage water. It can be installed in domestic applications to drain rain water, in industrial plants and for husbandry installations to pump manure.

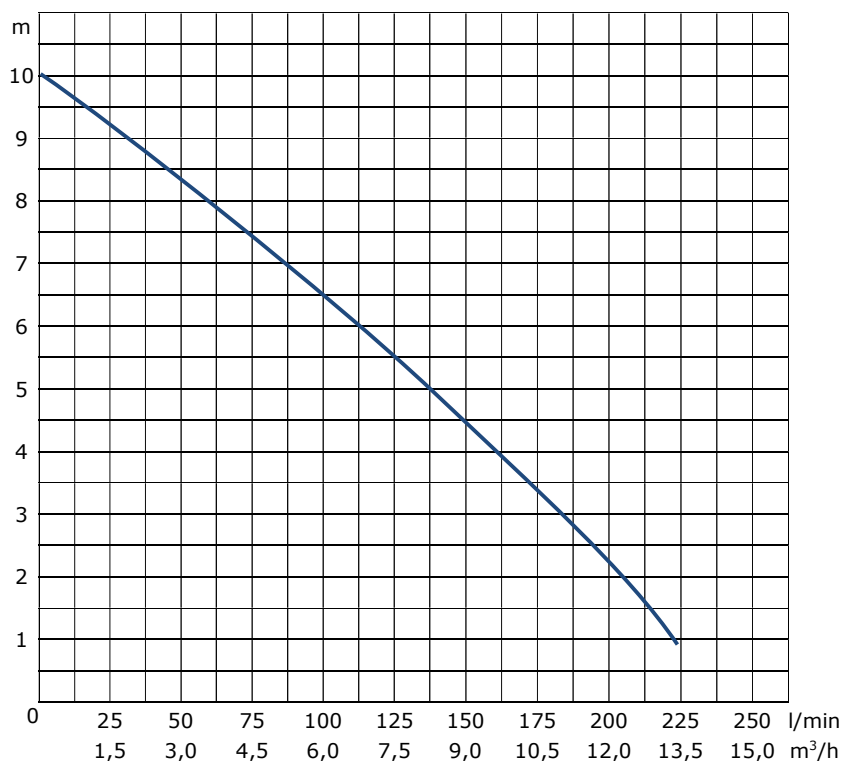


Pumped fluid

Application Sewage water
 Max Density 1100 kg/m³
 Temperature range 0-40 °C 32-104 °F
 pH range 6-10 pH

Performance

Model		Head (m)								
		1	2	3	4	5	6	7	8	9
		Capacity								
VORTEX 75/25	l/min	225	206	188	165	139	118	88	61	31
	m ³ /h	13,5	12,4	11,3	9,9	8,3	7,1	5,3	3,7	1,9
	l/s	3,75	3,43	3,13	2,75	2,32	1,97	1,47	1,02	0,52



Hydraulic

Impeller type	Back open impeller "vortex" type
Outlet	1"1/4 – vertical, threaded BSP female
Free passage	30mm
Max head	10m (1.0 bar)
Min head	1m
Max capacity	225 l/min
Min suction level	100mm

Electric characteristics

Models	Power (P ₂)		rpm	Voltage V	ph	I _N A	Built-in float-switch	Capacitor μF
	HP	kW						
VORTEX 75/25 M	0.75	0.55	2850	230	1~	4,4	NO	12,5
VORTEX 75/25 MG							SI	
VORTEX 75/25 T				400	3~	1,8	NO	-
VORTEX 75/25 TG							SI	

Technical characteristics

IP	68
Sealing	Mechanical seal in oil bath + oil seal
Max. immersion	5 meters
Protective coating	Two-component epoxy paint anti-corrosion
Sound pressure level	< 70dB

Components & Materials

Cable	Neoprene H07RN8F, length 10 meters. 3G1 with molded SHUKO plug for single-phase; 4G1 with free ends for three-phase
Impeller	Cast-iron EN-GJL-200
Pump support	Cast-iron EN-GJL-200
Motor case	Cast-iron EN-GJL-200
Upper flange	Cast-iron EN-GJL-200
Pump cover	Cast-iron EN-GJL-200
Motor shaft	Stainless steel AISI 420B 1.4028
Screws	Stainless steel AISI 304 1.4301 (A2)
Mechanical seal	Alumina / Graphite / NBR / AISI 304
Oil seal	NBR
Kit o-ring	NBR
Ball bearings	Lower: 6202-ZZ SKF, upper: 6202-ZZ SKF
Oil	Dielectric, not polluting, not toxic

Motor characteristics

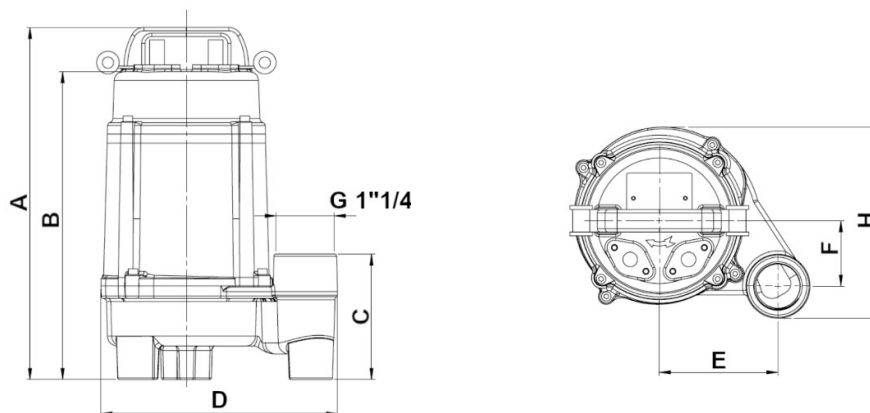
Type of motor	Hard-duty squirrel cage motor in oil bath
Start type	DOL (Direct On Line)
Protection	Automatic reset built-in thermal protection (for single-phase voltage); by a magnetothermic switch by the user for three-phase voltage (see optional section for electric boards)
Insulation class	Class F
Nos. of poles	2
Service type	S1 (with pump completely immersed into pumped fluid)
Cooling	Ensured by the immersion of the pump into the fluid

Optional available

Coupling foot	Coupling foot for pumps with vertical outlet 1"1/4 (connection 2")
Hose connection	Straight hose connection in brass, 3 pieces, 1"1/4 x 30mm
Electric board	Model F5-0.5/3-1 for single-phase, model F6-0.5/10-3 for three-phase
No return valve	Professional no-return ball check valve 1"1/4 in cast-iron with NBR ball
Separated float switch	10 meters cable or 20 meters cable float-switch to be connected to an electric board F5-0.5/3-1 or F6-0.5/10-3
Anodes	To avoid corrosion by galvanic currents

Special features on request

Metallized impeller	Metallic coating of the impeller in molybdenum carbide for very abrasive applications
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Dimensions & weight


Model	Dimensions (mm)							Carton box	Weight kg	Pumps per layer on EPAL
	A	B	C	D	E	F	H			
VORTEX 75/25	310	271	111	209	105	58	170	230 X 200 X H470	16	20