

Pump type: Submersible Duplex Pump

Application: Waste water, Seawater

Pump data

Solids passage	100 mm
Discharge/ Suction diameter	100 mm / 110 mm
Impeller type:	Vortex
Impeller diameter	245 - 220 mm
Recommended min. flow	6 l/sec (21 m ³ /h)
Weight	120 kg

Motor

Mains:	50 c/s – 3 phase
Rated shaft power	10.5 kW
Rated electrical power	12.5 kW
Nominal speed	1420 rpm
Motor efficiency	84 %
Power factor (cos phi)	0.85
Degree of protection	IP 68
Isolation class	F (155°C)
Max. water temperature	40°C
Standard cable length	10 m

Materials

Pump casing	AISI 329
Impeller	AISI 329
Motor unit	AISI 329
Shaft	AISI 316
Bolts	AISI 316
Elastomers	Viton (FPM)
Electrical cable	Neoprene (CR)
Seal lubrication	Oil
Seal pump side	Silicon carbide – Silicon carbide - Viton
Seal motor side	Carbon – Ceramic

Installation options

Guide bar coupling OWK 100

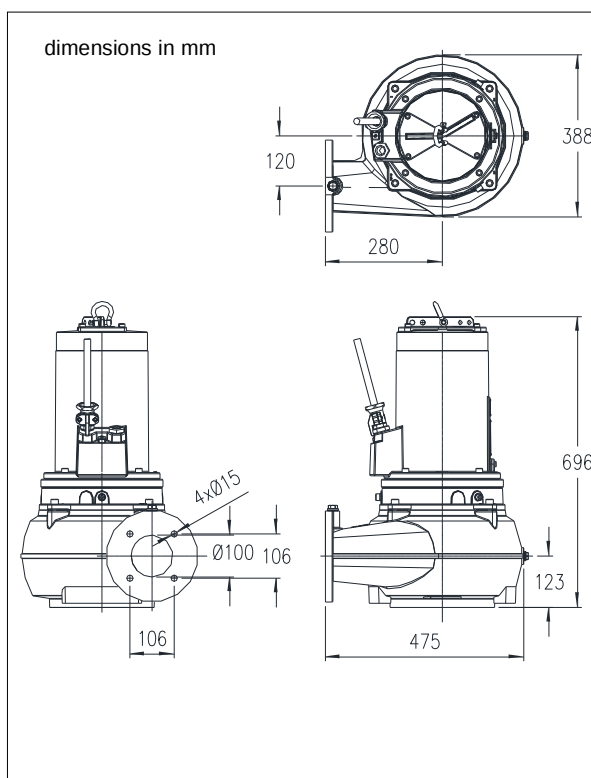
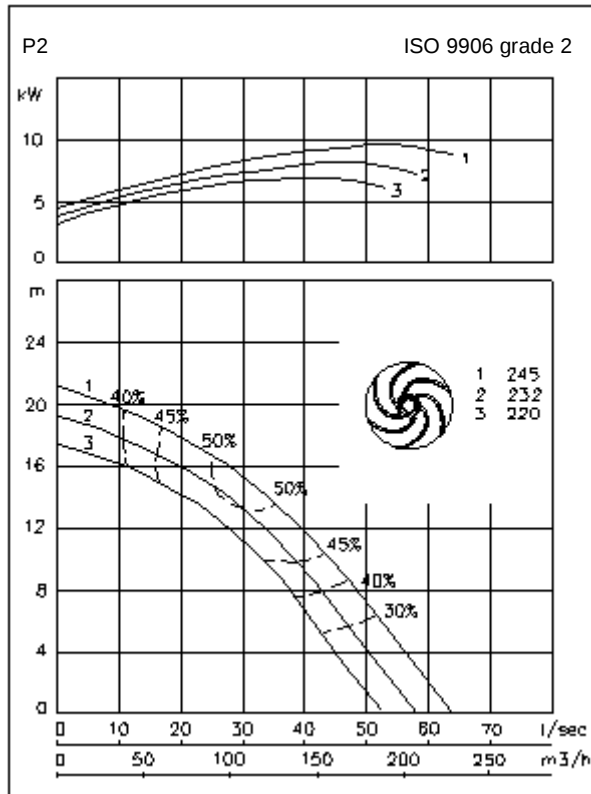


Freestanding 100mm hose connection or
Including support (VRS) G 4" threaded connection



Optional

- Flameproof version, to class: II 2 G Ex d IIB c T4
Standard: II 2 G Ex b c d IIB T4 Gb
With Frequency control: II 2 G Ex b c d IIB T3 Gb
- Thermo switches in stator windings
(standard for flame proof version)
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
Flameproof version with external cable



Connections

		Electrical cable size [mm ²]					
voltage	current			motor protection and/or water detector		flameproof version	
[V]*	[A]	direct start	stardelta start	direct start	stardelta start	direct start	stardelta start
230	36.9	4G10	2x4G6	4G10 + 4G1.5	-	4G10 + 4G2.5	-
400	21.2	4G6	7G1.5	4G6 + 4G1.5	12G1.5	4G6 + 4G2.5	12G1.5
500	17.0	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 5.0 x rated current							
starting current YD start : 1.7 x rated current							
						* other voltages on request	