

Pump type: Submersible vortex pump
Application: Waste water, sewage

Pump data

Solids passage 150 mm
Discharge/ Suction diameter 200 mm/ 200 mm
Impeller type: Vortex
Impeller diameter 305 - 230 mm
Recommended min. flow 13 l/sec (47 m3/h)
Weight 340 kg

Motor

Mains: 50 c/s – 3 phase
Rated shaft power 26.0 kW
Rated electrical power 29.4 kW
Nominal speed 975 rpm
Motor efficiency 88.5 %
Power factor (cos phi) 0.81
Degree of protection IP 68
Isolation class F (155°C)
Max. water temperature 40°C
Standard cable length 10 m

Materials

Pump casing Cast iron GG 25 (EN-GJL-250)
Impeller S.g cast iron GGG 40 (EN-GJS-400-15)
Motor unit Cast iron GG 25 (EN-GJL-250)
Shaft AISI 431
Alt: AISI 316
Bolts AISI 316
Elastomers Nitrile (NBR) of neoprene (CR)
Alt: viton (FPM)
Electrical cable Neoprene (CR)
Seal lubrication Oil
Seal pump side Silicon carbide – silicon carbide
Seal motor side Carbon - Ceramic
Coating Two components polyurethane

Installation options

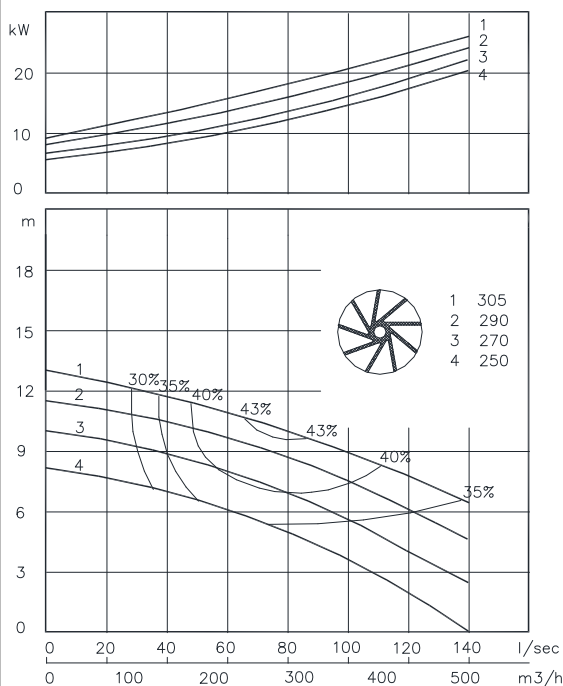
Guide bar coupling OWK 200
Freestanding 200 mm hose connection
Including support (VRS)
Dry Installation vertical or horizontal install.
Including cooling system discharge flange NW200
(ODO) suction flange NW200



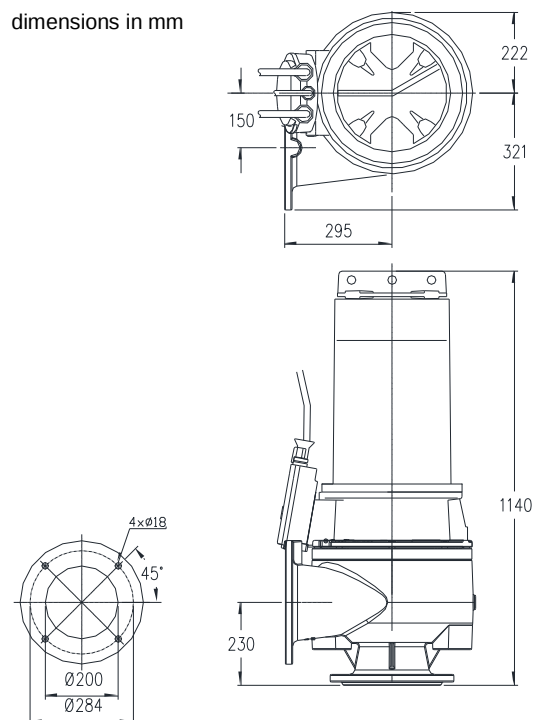
Optional

- Version with cooling system
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber

P2 ISO 9906 grade 2



dimensions in mm



Connections

		Electrical cable size [mm2]					
voltage	current	motor protection and/or water detector					
[V]*	[A]	direct start	star-delta start				
230	91	-	2x4G16 + 4G2.5				
400	52.4	4G16 + 4G2.5	2x4G6 + 4G2.5				
500	41.9	4G10 + 4G2.5	2x4G6 + 4G2.5				
starting current DOL start : 4.8 x rated current							
starting current YD start : 1.6 x rated current							* other voltages on request