

Pump type: Submersible pump
 Application: Waste water, sewage

Pump data

Solids passage 110x160 mm
 Discharge/ Suction NW250/ NW300, PN10
 Impeller type: Closed double screw impeller
 Impeller diameter 260 mm
 Recommended min. flow 37 l/sec (132 m3/h)
 Weight 1250 kg




Motor

Mains: 50 Hz – 3 phase
 Rated shaft power 100.0 kW
 Rated electrical power 111 kW
 Nominal speed 1470 rpm
 Motor efficiency 90 %
 Power factor (cos phi) 0.86
 Degree of protection IP 68
 Isolation class F (155°C)
 Standard with thermo-switches 125°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 – silicon carbide
 Coating Two components polyurethane

Installation options

Guide bar coupling OWK 250-N 
 Freestanding NW250 mm elbow Including support (VRS) 
 Dry Installation vertical or horizontal install.
 Including cooling system discharge flange NW250
 (ODO) suction flange NW300 

Optional

- Version with cooling system
- Water detector in motor and oil chamber

Connections

		Electrical cable size [mm ²]	
voltage	current	motor protection and/or water detector	
[V]*	[A]	direct start	star-delta start
-	-	-	-
400	186	-	2x4G35 + 4G2.5
500	149	-	2x4G25 + 4G2.5
starting current DOL start : 5.4 x rated current			
starting current YD start : 1.8 x rated current			
			* other voltages on request

