

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 460 - 300 mm  
 Recommended min. flow 37 l/sec (132 m3/h)  
 Weight 1250 kg




**Motor**

Mains: 50 Hz – 3 phase  
 Rated shaft power 45.0 kW  
 Rated electrical power 52.9 kW  
 Nominal speed 750 rpm  
 Motor efficiency 85 %  
 Power factor (cos phi) 0.85  
 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  
 Bolts Alt: AISI 316  
 AISI 316  
 Elastomers Nitrile (NBR) of neoprene (CR)  
 Alt: viton (FPM)  
 Neoprene (CR)  
 Electrical cable Oil  
 Seal lubrication Silicon carbide – silicon carbide  
 Seal pump side Carbon – silicon carbide  
 Seal motor side Two components polyurethane  
 Coating

**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 <sup>2</sup> ]	
voltage	current	motor protection and/or water detector	
[V]*	[A]	direct start	star-delta start
-	-	-	-
400	90	1x4G35 + 4G2.5	2x4G16 + 4G2.5
500	72	1x4G25 + 4G2.5	2x4G10 + 4G2.5
starting current DOL start : 4.6 x rated current			
starting current YD start : 1.5 x rated current			
			* other voltages on request

