

Pump type: Submersible pump  
 Application: Waste water, sewage

### Pump data

Solids passage 110 mm  
 Discharge/ Suction NW150/ NW200, PN16  
 Impeller type: Closed screw impeller  
 Impeller diameter 300 - 210 mm  
 Recommended min. flow 13 l/sec (47 m3/h)  
 Weight 335 kg

### Motor

Mains: 50 Hz – 3 phase  
 Rated shaft power 22.0 kW  
 Rated electrical power 26.2 kW  
 Nominal speed 1430 rpm  
 Motor efficiency 84 %  
 Power factor (cos phi) 0.82  
 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)  
 Oil  
 Seal lubrication Silicon carbide – silicon carbide  
 Seal pump side Carbon - Ceramic  
 Seal motor side Two components polyurethane  
 Coating

### Installation options

Guide bar coupling OWK 150-N

Freestanding 150 mm hose connection   
 Including support (VRS)

Dry Installation vertical or horizontal install.   
 Including cooling system discharge flange NW150  
 (ODO) suction flange NW200

### Optional

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

### Connections

voltage	current	Electrical cable size [mm <sup>2</sup> ]	
		motor protection and/or water detector	
[V]*	[A]	direct start	star-delta start
230	80.2	-	2x4G10 + 4G2.5
400	46.1	1x4G10 + 4G2.5	2x4G6 + 4G2.5
500	36.9	1x4G10 + 4G2.5	2x4G6 + 4G2.5
starting current DOL start : 5.7 x rated current			
starting current YD start : 1.9 x rated current			
* other voltages on request			

