

Pump type: Submersible pump  
 Application: Waste water, sewage

### Pump data

Solids passage: 125 mm  
 Discharge/ Suction: NW200/ NW200, PN16  
 Impeller type: Closed screw impeller  
 Impeller diameter: 325 - 285 mm  
 Recommended min. flow: 23 l/sec (84 m3/h)  
 Weight: 380 kg

### Motor

Mains: 50 Hz – 3 phase  
 Rated shaft power: 13.0 kW  
 Rated electrical power: 15.1 kW  
 Nominal speed: 960 rpm  
 Motor efficiency: 86 %  
 Power factor (cos phi): 0.83  
 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  
 Elastomers: AISI 316  
 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 200-N

Freestanding Including support (VRS): 200 mm hose connection

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

### Optional

- Version with cooling system
- Water detector in motor and oil chamber
- Duplex impeller 1.4460

### Connections

voltage [V]*	current [A]	Electrical cable size [mm <sup>2</sup> ]	
		motor protection and/or water detector direct start	star-delta start
230	45.7	1x4G10 + 4G2.5	2x4G6+ 4G2.5
400	26.3	1x4G6 + 4G2.5	1x7G2.5 + 4G2.5
500	21.0	1x4G6 + 4G2.5	1x7G2.5 + 4G2.5
starting current DOL start : 5.1 x rated current			
starting current YD start : 1.7 x rated current			

\* other voltages on request

