

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 250 - 210 mm  
 Recommended min. flow 13 l/sec (47 m3/h)  
 Weight 330 kg

**Motor**

Mains: 50 Hz – 3 phase  
 Rated shaft power 16.0 kW  
 Rated electrical power 18.8 kW  
 Nominal speed 1450 rpm  
 Motor efficiency 85 %  
 Power factor (cos phi) 0.78  
 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**

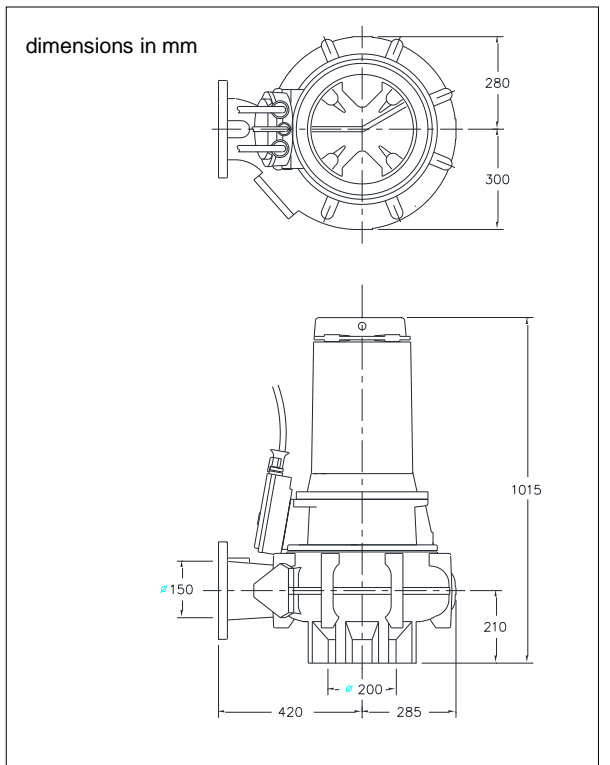
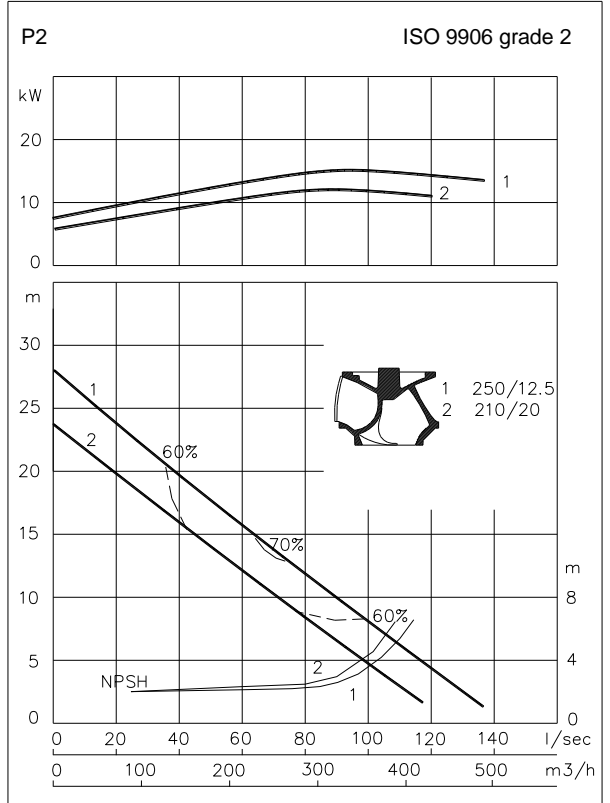
Pump casing Cast iron GG 25 (EN-GJL-250)  
 Impeller S.g cast iron GGG 40 (EN-GJS-400-15)  
 Motor unit Cast iron GG 25 (EN-GJL-250)  
 Shaft AISI 431  
 Alt: AISI 316  
 Bolts AISI 316  
 Elastomers Nitrile (NBR) of neoprene (CR)  
 Alt: viton (FPM)  
 Electrical cable Neoprene (CR)  
 Seal lubrication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

**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 [V]*	current [A]	Electrical cable size [mm <sup>2</sup> ]	
		motor protection and/or water detector direct start	star-delta start
230	60.5	1x4G16 + 4G2.5	2x4G6 + 4G2.5
400	34.8	1x4G6 + 4G2.5	1x7G2.5 + 4G2.5
500	27.9	1x4G6 + 4G2.5	1x7G2.5 + 4G2.5
starting current DOL start : 5.4 x rated current			
starting current YD start : 1.8 x rated current			
			* other voltages on request