

Pump type: Submersible pump  
 Application: Waste water, sewage

**Pump data**

Solids passage: 100 mm  
 Discharge/ Suction: NW150 / NW150, PN10  
 Impeller type: closed screw  
 Impeller diameter: 180 - 210 mm  
 Recommended min. flow: 13 l/sec (47 m3/h)  
 Weight: 185 kg

**Motor**

Mains: 50 c/s – 3 phase  
 Rated shaft power: 10.5 kW  
 Rated electrical power: 12.5 kW  
 Nominal speed: 1420 rpm  
 Motor efficiency: 84 %  
 Power factor (cos phi): 0.85  
 Degree of protection: IP 68  
 Isolation class: F (155°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  
 Electrical cable: Nitrile (NBR) or Neoprene (CR)  
 Seal lubrication: Oil  
 Seal pump side: Silicon carbide – Silicon carbide - FPM  
 Seal motor side: Carbon – Ceramic - NBR  
 Coating: Two components Polyurethane

**Installation options**

Header coupling: BWK 150  
 Guide bar coupling: OWK 150-N  
 Freestanding Including support (VRS): 150mm hose connection  
 Dry Installation Including cooling system (ODO): vertical or horizontal install. discharge flange NW150 suction flange NW150

**Optional**

- Flameproof version, to class: II 2 G Ex d IIB c T4  
 Standard: II 2 G Ex b c d IIB T4 Gb  
 With Frequency control: II 2 G Ex b c d IIB T3 Gb
- Thermo switches in stator windings
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber

**Connections**

voltage	current	Electrical cable size [mm <sup>2</sup> ]		motor protection and/or water detector		flameproof version	
		direct start	stardelta start	direct start	stardelta start	direct start	stardelta start
[V]*	[A]						
230	36.9	4G10	2x4G6	4G10 + 4G1.5	-	4G10 + 4G2.5	-
400	21.2	4G6	7G1.5	4G6 + 4G1.5	12G1.5	4G6 + 4G2.5	12G1.5
500	17.0	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 5.0 x rated current							
starting current YD start : 1.7 x rated current							
							* other voltages on request

