

Pump type: Submersible pump  
 Application: Waste water, sewage

**Pump data**

Solids passage 100 mm  
 Discharge/ Suction diameter NW150 / NW150, PN10  
 Impeller type: closed screw  
 Impeller diameter 240 - 210 mm  
 Recommended min. flow 13 l/sec (47 m3/h)  
 Weight 150 kg

**Motor**

Mains: 50 c/s – 3 phase  
 Rated shaft power 4.0 kW  
 Rated electrical power 5.3 kW  
 Nominal speed 930 rpm  
 Motor efficiency 75%  
 Power factor (cos phi) 0.75  
 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  
 Alt: AISI 316  
 Bolts AISI 316  
 Elastomers Nitrile (NBR) or neoprene (CR)  
 Alt: viton (FPM)  
 Neoprene (CR)  
 Electrical cable 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**

- 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	
		direct start	stardelta start	direct start	stardelta start
230	17.9	4G2.5	7G1.5	7G1.5	10G1.5
400	10.3	4G2.5	7G1.5	7G1.5	10G1.5
500	8.2	4G2.5	7G1.5	7G1.5	10G1.5
starting current DOL start : 5.5 x rated current					
starting current YD start : 1.8 x rated current					
* other voltages on request					

