

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 210 - 240 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  
 Bolts AISI 316  
 Elastomers Nitrile (NBR) or 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 150mm hose connection  
 Including support (VRS)  
 Dry Installation vertical or horizontal install.  
 Including cooling system discharge flange NW150  
 (ODO) 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 [mm2]		motor protection and/or water detector		flameproof version		
		direct start	stardelta start	direct start	stardelta start	direct start	stardelta start	
230	17.9	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5	
400	10.3	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5	
500	8.2	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5	
starting current DOL start : 5.5 x rated current								
starting current YD start : 1.8 x rated current								
							* other voltages on request	

