

Pump type: Submersible pump
 Application: Waste water, sewage

Pump data

Solids passage 100 mm
 Discharge/ Suction diameter NW100 / NW125, PN10
 Impeller type: closed screw
 Impeller diameter 250 - 210 mm
 Recommended min. flow 6 l/sec (21 m3/h)
 Weight 130 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 Oil
 Seal lubrication Silicon carbide – Silicon carbide - FPM
 Seal pump side Carbon – Ceramic - NBR
 Seal motor side Two components polyurethane
 Coating

Installation options

Header coupling BWK 100 

Guide bar coupling OWK 100-N 

Freestanding Including support (VRS) 100mm hose connection
 G 4" threaded connection 

Dry Installation Including cooling system (ODO) vertical or horizontal install.
 discharge flange NW100
 suction flange NW125 

Optional

- Thermo switches in stator windings
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber

Connections

voltage [V]*	current [A]	Electrical cable size [mm ²]		motor protection and/or water detector	
		direct start	stardelta start	direct start	stardelta start
230	17.9	4G2.5	7G1.5	7G2.5	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					

