

Pump type: Submersible vortex pump
Application: Waste water, sewage

Pump data

Solids passage 65 mm
Discharge/ Suction diameter 67 mm/ 72 mm
Impeller type: Vortex
Impeller diameter 160 - 140 mm
Recommended min. flow 2 l/sec (8 m3/h)
Weight 95 kg

Motor

Mains: 50 c/s – 3 phase
Rated shaft power 5.0 kW
Rated electrical power 6.1 kW
Nominal speed 2790 rpm
Motor efficiency 82 %
Power factor (cos phi) 0.90
Degree of protection IP 68
Isolation class F (155°C)
Max. water temperature 40°C
Standard cable length 10 m

Materials

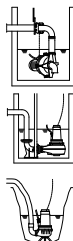
Pump casing Cast iron GG 25 (EN-GJL-250)
Impeller S.g cast iron GGG 40 (EN-GJS-400-15)
Motor unit Cast iron GG 25 (EN-GJL-250)
Shaft AISI 431
Alt: AISI 316
Bolts AISI 316
Elastomers Nitrile (NBR) or neoprene (CR)
Alt: viton (FPM)
Neoprene (CR)
Electrical cable Oil
Seal lubrication Oil
Seal pump side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

Installation options

Header coupling BWK 080

Guide bar coupling OWK 065 or 080

Freestanding 75 mm hose connection or
Including support (VRS) G 3" threaded connection

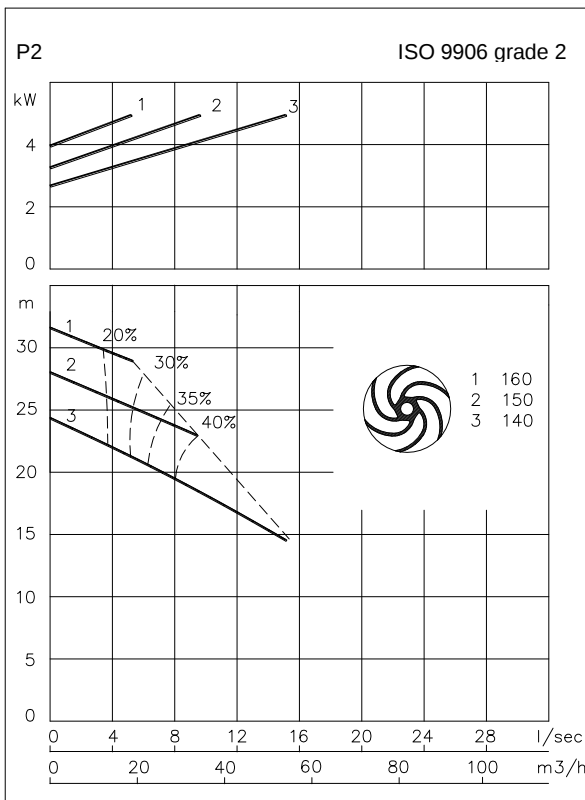


Optional

- 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
- Thermoswitches in stator windings
(standard for flame proof version)
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
Flameproof version with external cable

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	17.0	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
400	9.8	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
500	7.8	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
starting current DOL start : 6.2 x rated current							
starting current YD start : 2.1 x rated current							
						* other voltages on request	



dimensions in mm

