

Pump type: Submersible slurry pump
Application: Abrasive media

Pump data

Solids passage 65 mm
Discharge/ Suction diameter 67 mm/ 72 mm
Impeller type: Vortex
Impeller diameter 170 mm
Recommended min. flow 3.5 l/sec (8 m3/h)
Weight 120 kg

Motor

Mains: 50 c/s – 3 phase
Rated shaft power 9.0 kW
Rated electrical power 10.6 kW
Nominal speed 2900 rpm
Motor efficiency 79 %
Power factor (cos phi) 0.82
Degree of protection IP 68
Isolation class F (155°C)
Max. water temperature 40°C
Standard cable length 10 m

Materials

Pump casing/ wear plate Nihard 4 (G-X300CrNiSi 9-5)
Impeller Nihard 4 (G-X300CrNiSi 9-5)
Motor unit Cast iron GG 25 (EN-GJL-250)
Shaft AISI 431
Bolts AISI 316
Elastomers Nitrile (NBR) or neoprene (CR)
Alt: viton (FPM)
Electrical cable Neoprene (CR)
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

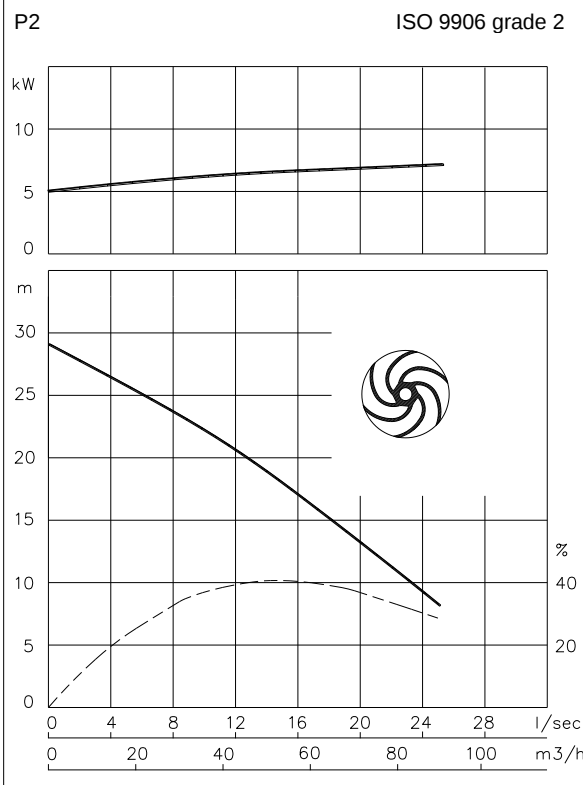
Bottom elbow coupling OWK 080

Freestanding 75 mm hose connection
Including support (VRS)

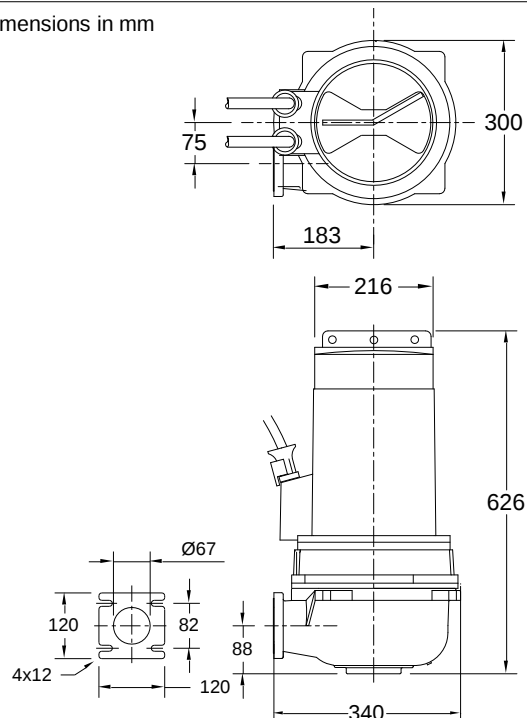


Optional

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



dimensions in mm



Connections

		Electrical cable size [mm2]					
voltage	current			motor protection and/or water detector		flameproof version	
[V]*	[A]	direct start	stardelta start	direct start	stardelta start	direct start	stardelta start
230	29.9	4G6	7G2.5	4G6 + 4G1.5	7G2.5 + 4G1.5	4G6 + 4G2.5	7G2.5 + 4G2.5
400	17.2	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
500	13.7	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
starting current DOL start : 6.3 x rated current							
starting current YD start : 2.1 x rated current							
						* other voltages on request	