

Pump type: Submersible slurry pump
Application: Abrasive media

Pump data

Solids passage 55mm
Discharge / Suction diameter 65mm/ 72 mm
Impeller type: Vortex
Impeller diameter 150 mm
Recommended min. flow 2 l/sec (8 m3/h)
Weight 45 kg

Motor

Mains: 50 c/s – 3 phase
Rated shaft power 1.5 kW
Rated electrical power 2.1 kW
Nominal speed 1420 rpm
Motor efficiency 71 %
Power factor (cos phi) 0.84
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
Alt: AISI 316
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 065 of BWK 080



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



Optional

- Flameproof version, to class:
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

Connections

		Electrical cable size [mm2]					
voltage	current			motor protection and/or water detector		flameproof version	
[V]*	[A]	direct start		direct start		direct start	
230	6.3	4G2.5		7G1.5		7G1.5	
400	3.6	4G2.5		7G1.5		7G1.5	
500	2.9	4G2.5		7G1.5		7G1.5	
starting current DOL start : 4.8 x rated current							
						* other voltages on request	

