

Pump type: Submersible slurry pump
 Application: Abrasive media

Pump data

Solids passage 55mm
 Discharge/ Suction diameter 65mm/ 65mm
 Impeller type: Vortex
 Impeller diameter 150
 Recommended min. flow 2 l/sec (8 m3/h)
 Weight 48 kg

Motor

Mains: 50 c/s – 3 phase
 Rated shaft power 4.0 kW
 Rated electrical power 5.0 kW
 Nominal speed 2840 rpm
 Motor efficiency 80 %
 Power factor (cos phi) 0.85
 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: 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 flameproof version)
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
 Flameproof version with external cable

Connections

		Electrical cable size [mm ²]					
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	14.8	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
400	8.5	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
500	6.8	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 6.2 x rated current							
starting current YD start : 2.1 x rated current							
						* other voltages on request	

