DWP42-43FE

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

Pump data

Solids passage	100 mm
Discharge/ Suction diameter	100 mm/ 100 mm
Impeller type:	Vortex
Impeller diameter	224 – 168 mm
Recommended min. flow	6 l/sec (21 m3/h)
Weight	100 kg

Motor

Mains:	50 c/s – 3 phase
Rated shaft power	2.4 kW
Rated electrical power	3.2 kW
Nominal speed	960 rpm
Motor efficiency	75 %
Power factor (cos phi)	0.81
Degree of protection	IP 68
Isolation class	F (155°C)
Max. water temperature	40°C
Standard cable length	10 m

Materials

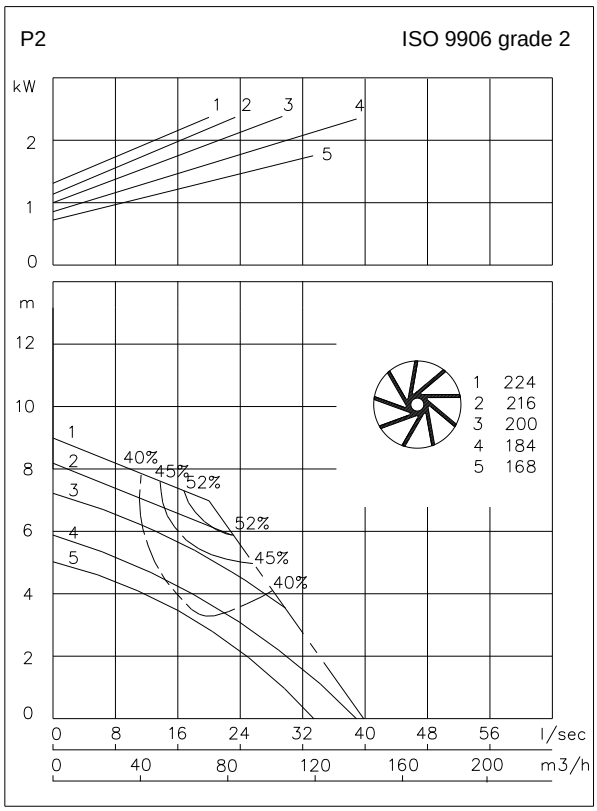
Pump casing	Cast iron GG 25 (EN-GJL-250)
Impeller	S.g cast iron GGG 40 (EN-GJS-400-15)
Motor unit	Cast iron GG 25 (EN-GJL-250)
Shaft	AISI 431 Alt: AISI 316
Bolts	AISI 316
Elastomers	Nitrile (NBR) or neoprene (CR) Alt: viton (FPM)
Electrical cable	Neoprene (CR)
Seal lubrication	Oil
Seal pump side	Silicon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

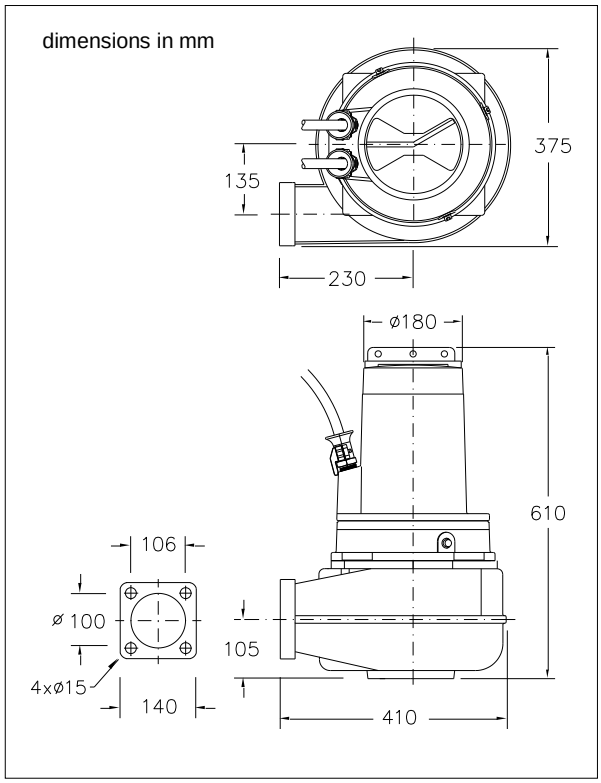
Installation options

Header coupling	BWK 100
Guide bar coupling	OWK 100
Freestanding Including support (VRS)	100mm hose connection or G 4" 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 flame proof version)
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
  Flameproof version with external cable





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	9.9	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
400	5.7	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
500	4.6	4G2.5	7G1.5	7G1.5	10G1.5	7G1.5	10G1.5
starting current DOL start : 6.0 x rated current							
starting current YD start : 2.0 x rated current						* other voltages on request	

We reserve the right to alter specification without prior notice.