

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

Pump data

Discharge diameter 40 mm
 Impeller type: cutter
 Impeller diameter 160 mm
 Recommended min. flow 0.5 l/sec (2 m3/h)
 Weight 55 kg

Motor

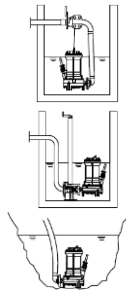
Mains: 50 c/s – 3 phase
 Rated shaft power 3.2 kW
 Rated electrical power 3.9 kW
 Nominal speed 2910 rpm
 Motor efficiency 82 %
 Power factor (cos phi) 0.84
 Degree of protection IP 68
 Isolation class F (155°C)
 Max. water temperature 40°C
 Standard cable length 10 m

Materials

Pump casing Cast iron GG 25 (EN-GJL-250)
 Impeller Cast iron GG 25 (EN-GJL-250)
 Cutter Hardened chrome steel
 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 Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide
 Seal motor side Carbon - Ceramic
 Coating Two components polyurethane

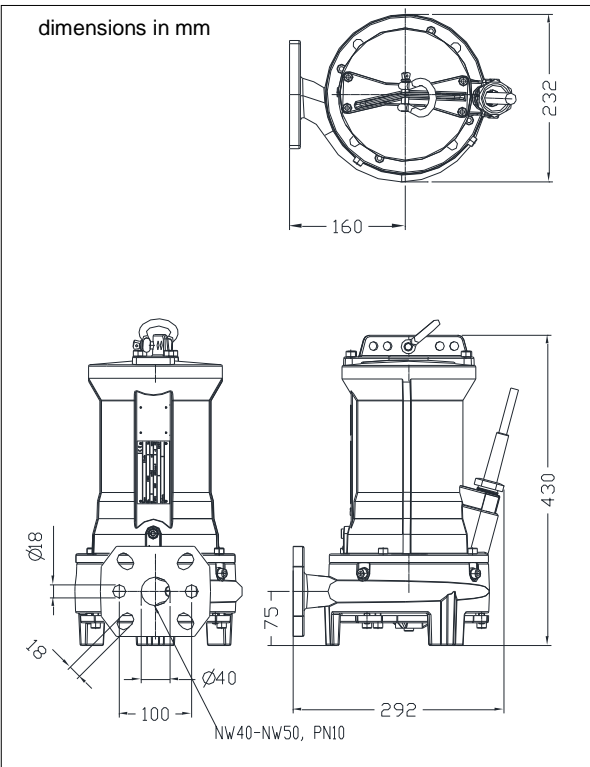
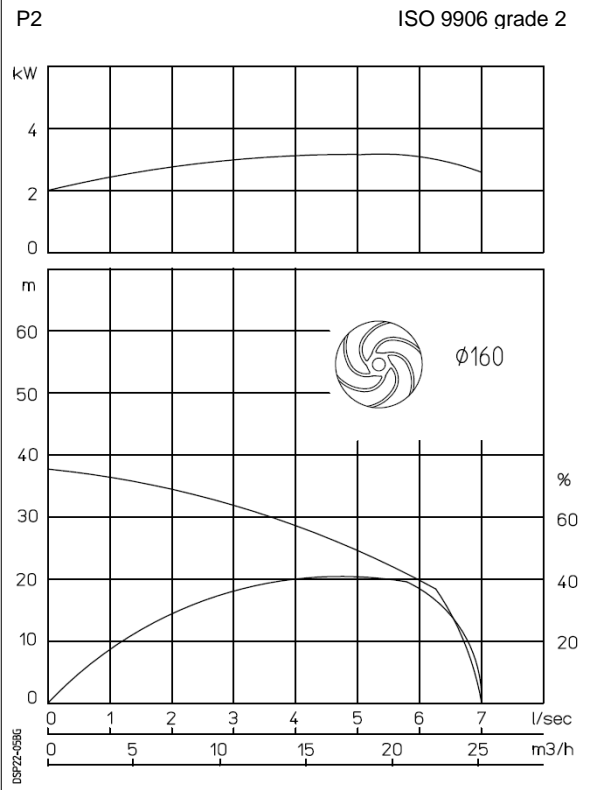
Installation options

Header coupling BWK 050
 Guide bar coupling OWK 050
 Freestanding (VRS) 50 mm or 75 mm hose connection or G 2" threaded connection



Optional

- For flameproof version see DSP22-05BH
- Thermo switches in stator windings
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber



Connections

| voltage [V]* | current [A] | Electrical cable size [mm ²] | | motor protection and/or water detector | |
|--|-------------|--|-----------------|--|-----------------|
| | | direct start | stardelta start | direct start | stardelta start |
| 230 | 11.7 | 4G1.5 | 7G1.5 | 7G1.5 | 10G1.5 |
| 400 | 6.7 | 4G1.5 | 7G1.5 | 7G1.5 | 10G1.5 |
| 500 | 5.4 | 4G1.5 | 7G1.5 | 7G1.5 | 10G1.5 |
| starting current DOL start : 7.9 x rated current | | | | | |
| starting current YD start : 3.2 x rated current | | | | | |
| * other voltages on request | | | | | |