

Type: Submersible mixer
 Application: Prevent the accumulation of solids and floating crusts.

Mixer

Effective area up to Ø12m
 Impeller diameter 125
 Electrical power in clean water 5.8 kW
 Weight 85 kg

Motor

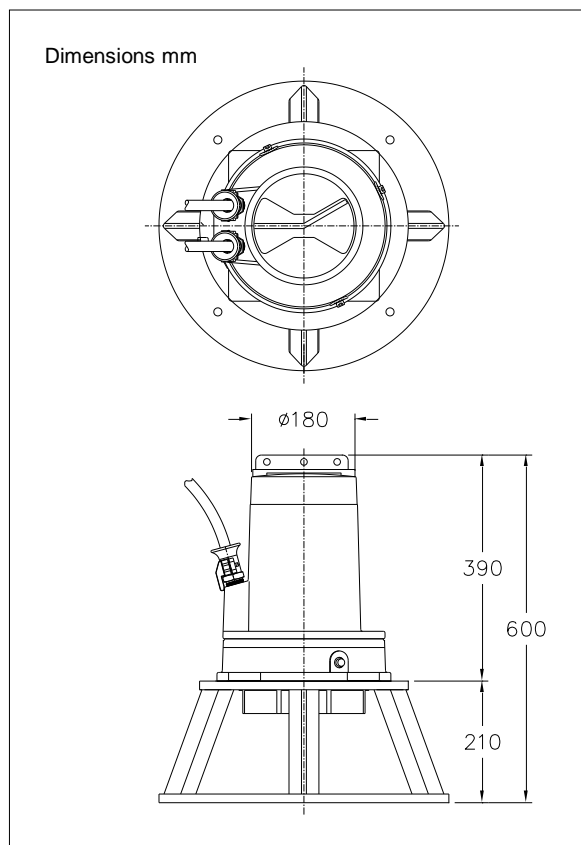
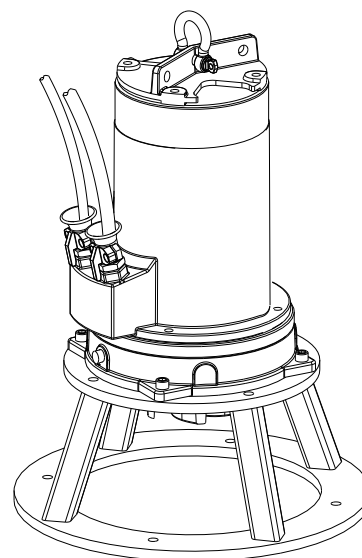
Mains: 50Hz – 3 phase
 Rated shaft power (P2) 5.0 kW
 Absorbed electrical power (P1) 6.3 kW
 Nominal speed 1420 rpm
 Motor efficiency 79 %
 Power factor (cos phi) 0.82
 Degree of protection IP 68
 Isolation class F (155°C)
 Max. water temperature 40°C
 Standard cable length 10 m

Materials

Impeller S.g cast iron GGG 40 (EN-GJS-400-15)
 Motor unit parts Cast iron GG 25 (EN-GJL-250)
 Pump shaft AISI 431 (X20 CrNi 17 2)
 Alt: AISI 316 (X5 CrNiMo 17 12 2)
 Pump support Fe 37
 Alt: RVS 316 (X5 CrNiMo 17 12 2)
 Bolts AISI 316 (X5 CrNiMo 17 12 2)
 Rubber parts 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 component polyurethane

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
- Thermoswitches in motor windings (standard for flameproof version)
- Cable protection sheet (AISI316)
- Water detector in motor and oil chamber
 Flameproof version with external cable



Connections

voltage	current	electrical cable size		motor protection and/or water detector		flameproof version	
		directe start	ster-driehoek start	directe start	ster-driehoek start	directe start	ster-driehoek start
230	19.5	4G2.5	7G1.5	7G2.5	12G1.5	7G2.5	12G1.5
400	11.2	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
500	9.0	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 5.0 x rated current							
starting current YD start : 1.7 x rated current						* other voltages on request	