

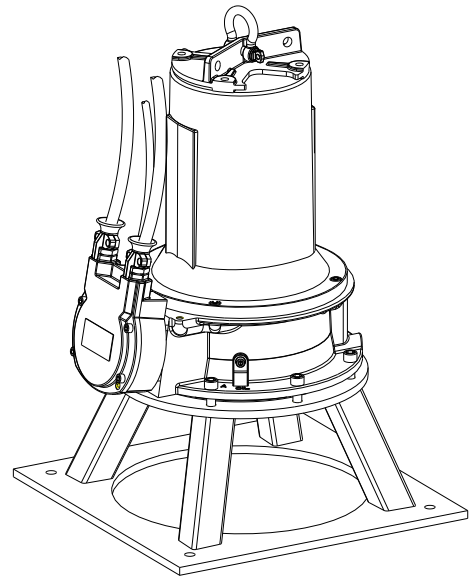
Type: Wear Resistant Submersible mixer
 Application: Prevent the accumulation of solids and floating crusts.

Mixer

Effective area up to 20m
 Impeller diameter 215
 Electrical power in clean water 24 kW
 Weight 200 kg

Motor

Mains: 50Hz – 3 phase
 Rated shaft power (P2) 22 kW
 Absorbed electrical power (P1) 26.2 kW
 Nominal speed 1430 rpm
 Motor efficiency 84 %
 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



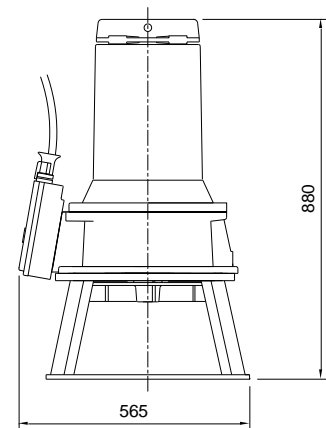
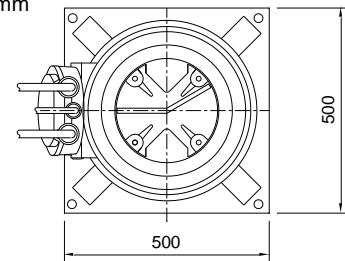
Materials

Impeller Nihard 4 (G-X300CrNiSi 9 5)
 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

- Cooling system
- 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
- Cable protection sheet (AISI316)
- Water detector in motor and oil chamber
 Flameproof version with external cable

Dimensions mm



Connections

		electrical cable size					
voltage	current	motor protection and/ or water detector		flameproof version			
[V]*	[A]	direct start	stardelta start	direct start	stardelta start		
230	80.2	-	2x4G10 + 4G2.5	-	2x4G10 + 4G2.5		
400	46.1	4G10 + 4G2.5	2x4G6 + 4G2.5	4G10 + 4G2.5	2x4G6 + 4G2.5		
500	36.9	4G6 + 4G2.5	2x4G6 + 4G2.5	4G6 + 4G2.5	2x4G6 + 4G2.5		
starting current DOL start : 5.7 x rated current							
starting current YD start : 1.9 x rated current							
						* other voltages on request	