

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

Mixer

Effective area up to 6m
 Impeller diameter 138mm
 Electrical power in clean water 1.9 kW
 Weight 43 kg

Motor

Mains: **60Hz** – 3 phase
 Rated shaft power 1.75 kW
 Rated electrical power 2.4 kW
 Nominal speed 1700 rpm
 Motor efficiency 71 %
 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

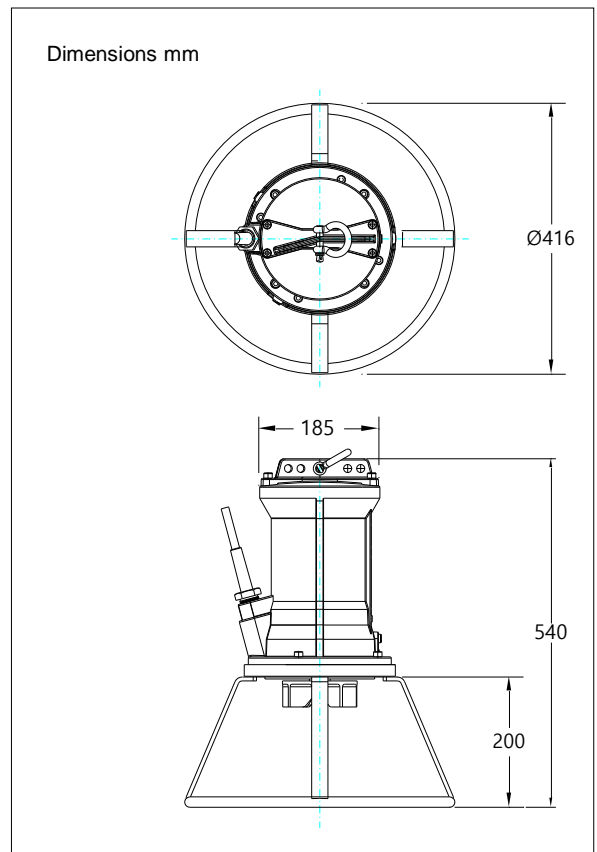


Materials

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 Galvanized steel
 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: 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 motor windings (standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber
- Heavy duty support



Connections

		electrical cable size		motor protection and/or water detector		flameproof version	
voltage	current						
[V]*	[A]	direct start		direct start		direct start	
208	7.9	4G1.5		7G1.5		7G1.5	
230	7.2	4G1.5		7G1.5		7G1.5	
460	3.6	4G1.5		7G1.5		7G1.5	
575	2.9	4G1.5		7G1.5		7G1.5	
starting current DOL start : 4.8 x rated current							
				* other voltages on request			

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

Mixer

Effective area up to 7.5m
 Impeller diameter 150mm
 Electrical power in clean water 3.1 kW
 Weight 44 kg

Motor

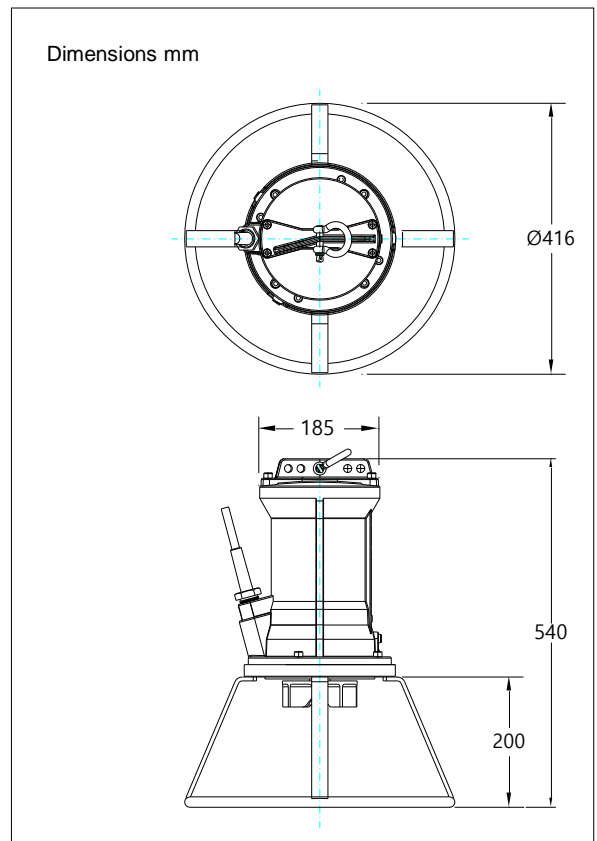
Mains: **60Hz** – 3 phase
 Rated shaft power 2.5 kW
 Rated electrical power 3.6 kW
 Nominal speed 1650 rpm
 Motor efficiency 71 %
 Power factor (cos phi) 0.89
 Degree of protection IP 68
 Isolation class F (155°C)
 Max. water temperature 40°C
 Standard cable length 10 m

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 Galvanized steel
 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: 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 motor windings
 (standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber
- Heavy duty support



Connections

voltage	current	electrical cable size		motor protection and/or water detector		flameproof version	
		direct start	star-delta start	direct start	star-delta start	direct start	star-delta start
[V]*	[A]						
208	11.1	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
230	10.1	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
460	5.0	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
575	4.0	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 3.4 x rated current							
starting current YD start : 1.1 x rated current							* other voltages on request

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

Mixer

Effective area up to 10m
 Impeller diameter 150mm
 Electrical power in clean water 4.5 kW
 Weight 47 kg

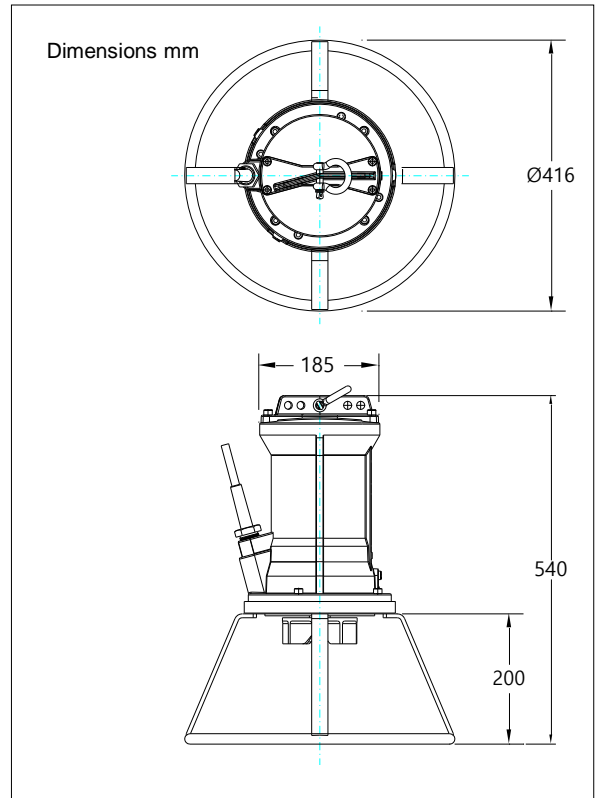
Motor

Mains: **60Hz** – 3 phase
 Rated shaft power 4.0 kW
 Rated electrical power 5.2 kW
 Nominal speed 1660 rpm
 Motor efficiency 77 %
 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

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 Galvanized steel
 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: 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 motor windings
 (standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber
- Heavy duty support

Connections

voltage	current	electrical cable size		motor protection and/or water detector		flameproof version	
		direct start	star-delta start	direct start	star-delta start	direct start	star-delta start
208	17.1	4G2.5	7G1.5	7G2.5	12G1.5	7G2.5	12G1.5
230	15.4	4G2.5	7G1.5	7G2.5	12G1.5	7G2.5	12G1.5
460	7.7	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
575	6.2	4G1.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 4.3 x rated current							
starting current YD start : 1.4 x rated current				* other voltages on request			

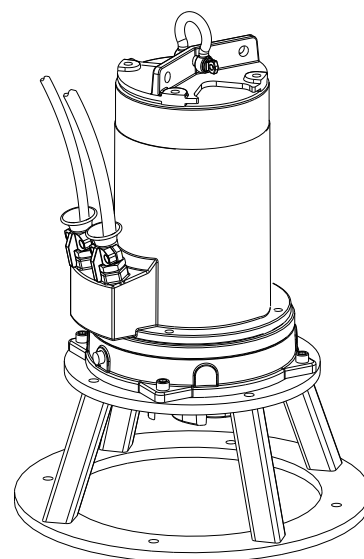
Type:	Submersible mixer
Application:	Prevent the accumulation of solids and floating crusts.

Mixer

Effective area	up to 14m
Impeller diameter	166mm
Electrical power in clean water	8.1 kW
Weight	85 kg

Motor

Mains:	60 Hz – 3 phase
Rated shaft power	6.9 kW
Rated electrical power	8.8 kW
Nominal speed	1674 rpm
Motor efficiency	78 %
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



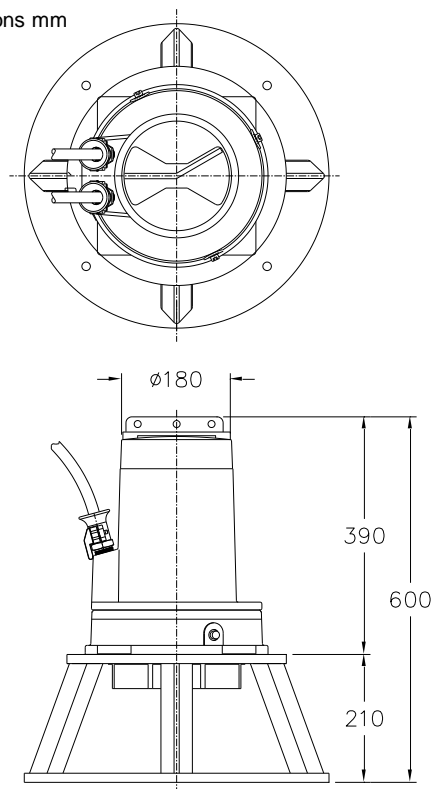
Materials

Impeller	Nihard 4
Wear plate	Nihard 4
Motor unit parts	Cast iron (ASTM A-48 class 35)
Pump shaft	AISI 431
	Alt: AISI 316
Pump support	Galvanized steel
	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 component polyurethane

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 motor windings
(standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber

Dimensions mm



Connections

		electrical cable size		motor protection and/or water detector		flameproof version	
voltage	current	direct start	star-delta start	direct start	star-delta start	direct start	star-delta start
[V]*	[A]						
208	28.9	4G6	7G1.5	4G6 + 4G1.5	12G1.5	4G6 + 4G2.5	12G1.5
230	26.1	4G6	7G1.5	4G6 + 4G1.5	12G1.5	4G6 + 4G2.5	12G1.5
460	13.1	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
575	10.5	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 4.2 x rated current							
starting current YD start : 1.5 x rated current						* other voltages on request	

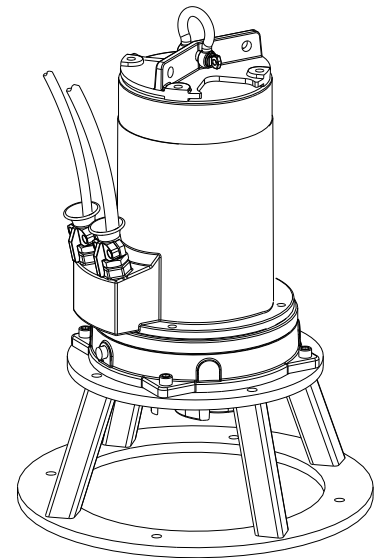
Type: Submersible mixer
 Application: Prevent the accumulation of solids and floating crusts.

Mixer

Effective area up to 16m
 Impeller diameter 190mm
 Electrical power in clean water 9.9 kW
 Weight 88 kg

Motor

Mains: 60 Hz – 3 phase
 Rated shaft power 8.6 kW
 Rated electrical power 10.6 kW
 Nominal speed 1668 rpm
 Motor efficiency 81 %
 Power factor (cos phi) 0.87
 Degree of protection IP 68
 Isolation class F (155°C)
 Max. water temperature 40°C
 Standard cable length 10 m

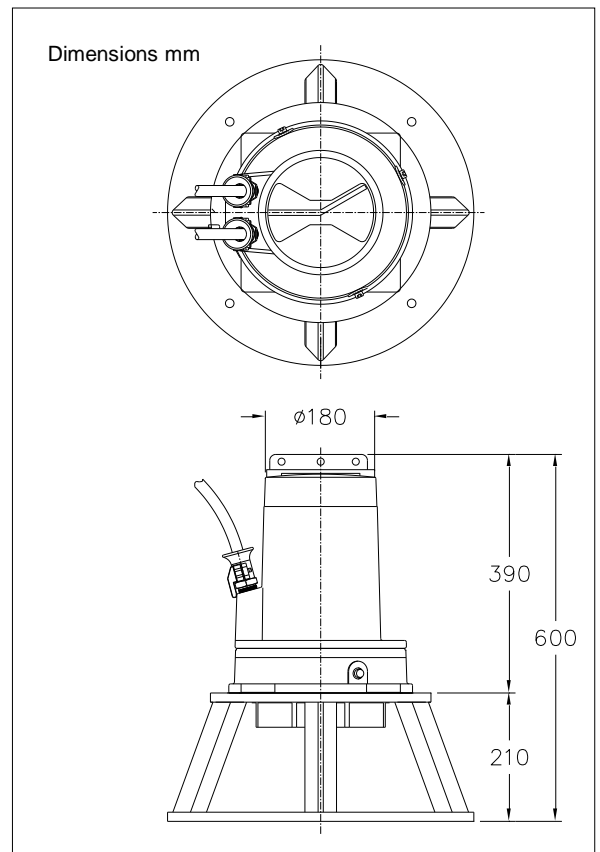


Materials

Impeller Nihard 4
 Wear plate Nihard 4
 Motor unit parts Cast iron (ASTM A-48 class 35)
 Pump shaft AISI 431
 Pump support Alt: AISI 316
 Galvanized steel
 Alt: AISI 316
 Bolts AISI 316
 Elastomers Nitrile (NBR) or neoprene (CR)
 Alt: viton (FPM)
 Neoprene (CR)
 Electrical cable
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide
 Seal motor side Carbon - ceramic
 Coating Two component polyurethane

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 motor windings
 (standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber



Connections

voltage	current	electrical cable size		motor protection and/or water detector		flameproof version	
		direct start	star-delta start	direct start	star-delta start	direct start	star-delta start
[V]*	[A]						
208	34.0	4G6	7G2.5	4G6 + 4G1.5	7G2.5 + 4G1.5	4G6 + 4G2.5	7G2.5 + 4G2.5
230	30.7	4G6	7G2.5	4G6 + 4G1.5	7G2.5 + 4G1.5	4G6 + 4G2.5	7G2.5 + 4G2.5
460	15.4	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
575	12.3	4G2.5	7G1.5	7G1.5	12G1.5	7G1.5	12G1.5
starting current DOL start : 6.1 x rated current							
starting current YD start : 2.0 x rated current						* other voltages on request	

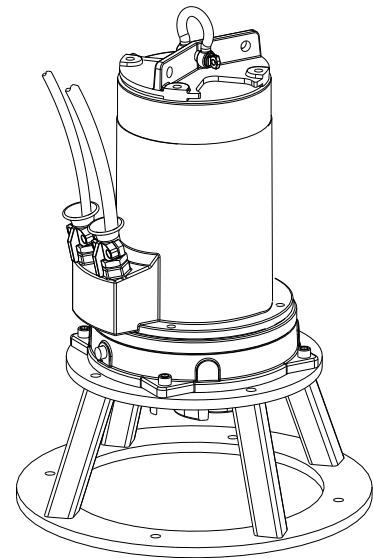
Type:	Submersible mixer
Application:	Prevent the accumulation of solids and floating crusts.

Mixer

Effective area	up to 18m
Impeller diameter	200mm
Electrical power in clean water	15.5 kW
Weight	114 kg

Motor

Mains:	60 Hz – 3 phase
Rated shaft power	14.9 kW
Rated electrical power	17.5 kW
Nominal speed	1704 rpm
Motor efficiency	85 %
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

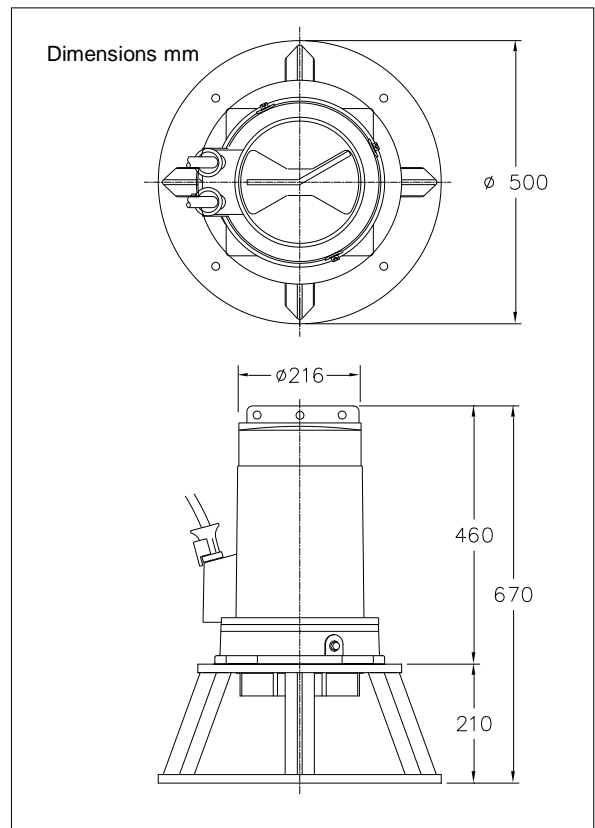


Materials

Impeller	Nihard 4
Wear plate	Nihard 4
Motor unit parts	Cast iron (ASTM A-48 class 35)
Pump shaft	AISI 431
	Alt: AISI 316
Pump support	Galvanized steel
	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 component polyurethane

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 motor windings
(standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber



Connections

voltage	current	electrical cable size		motor protection and/or water detector		flameproof version	
		direct start	star-delta start	direct start	star-delta start	direct start	star-delta start
208	58.1	2x 4G6	2x 4G6	-	-	-	-
230	52.6	2x 4G6	2x 4G6	-	-	-	-
460	26.3	4G6	7G2.5	4G6 + 4G1.5	7G2.5 + 4G1.5	4G6 + 4G2.5	7G2.5 + 4G2.5
575	21.0	4G2.5	7G1.5	7G2.5	12G1.5	7G2.5	12G1.5
starting current DOL start : 5.0 x rated current							
starting current YD start : 1.7 x rated current				* other voltages on request			

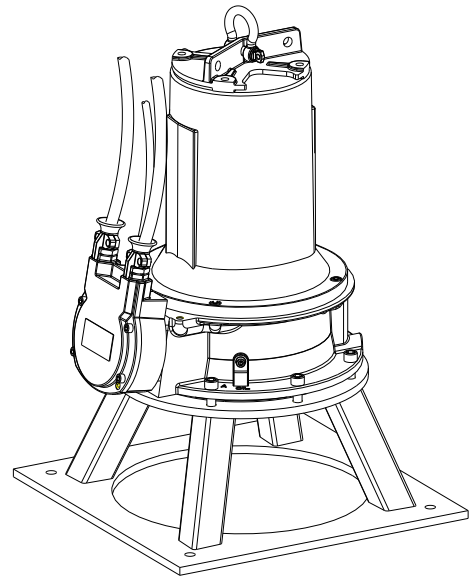
Type: Submersible mixer
 Application: Prevent the accumulation of solids and floating crusts.

Mixer

Effective area up to 20m
 Impeller diameter 190mm
 Electrical power in clean water 15.5 kW
 Weight 340 kg

Motor

Mains: 60 Hz – 3 phase
 Rated shaft power 25.3 kW
 Rated electrical power 30.1 kW
 Nominal speed 1720 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

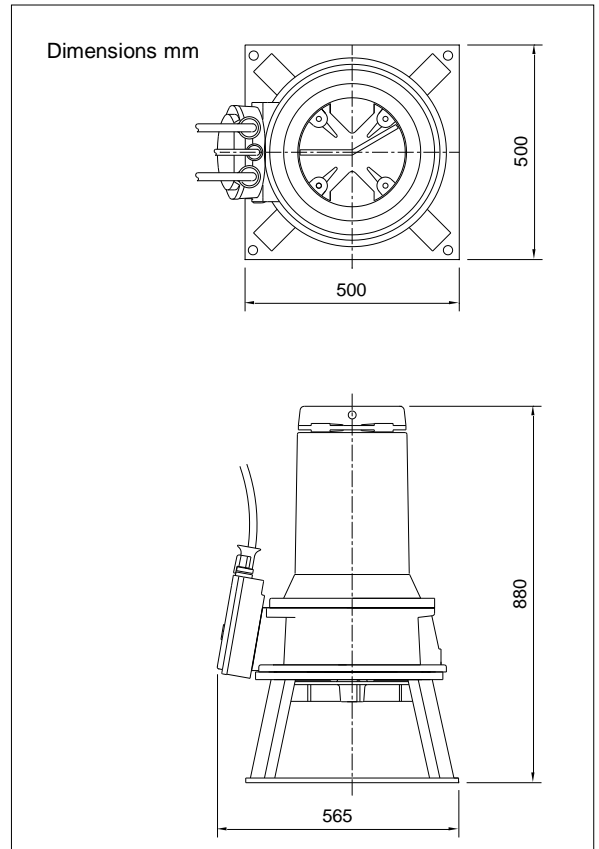


Materials

Impeller Nihard 4
 Wear plate Nihard 4
 Motor unit parts Cast iron (ASTM A-48 class 35)
 Pump shaft AISI 431
 Pump support Alt: AISI 316
 Galvanized steel
 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 component polyurethane

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 motor windings
 (standard for flameproof version)
- Cable protection sheathing (AISI316)
- Water detector in motor en oil chamber



Connections

		electrical cable size		flameproof version			
voltage	current	direct start	stardelta start	direct start	direct start		
[V]*	[A]						
230	92.2	2x 4G10 + 4G2.5	2x4G16 + 4G2.5	2x 4G10 + 4G2.5	2x 4G10 + 4G2.5		
380	55.8	2x 4G10 + 4G2.5	2x4G16 + 4G2.5	2x 4G10 + 4G2.5	2x 4G10 + 4G2.5		
460	46.1	4G10 + 4G2.5	2x 4G6 + 4G2.5	4G10 + 4G2.5	4G10 + 4G2.5		
575	36.9	4G10 + 4G2.5	7G2.5 + 4G2.5	4G10 + 4G2.5	4G10 + 4G2.5		
starting current DOL start : 5.7 x rated current							
starting current YD start : 1.9 x rated current				* other voltages on request			