

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

Technical data

Effective area up to Ø 20 ft
 Impeller code 105
 Electrical power in clean water 1.9 kW
 Weight 95 lbs

Motor

Mains: 60 c/s – 3 phase
 Rated horse power 2.3 HP
 Rated electrical power 2.4 kW
 Rated kVA 2.9 kVA
 Nominal speed 1700 rpm
 Motor efficiency 71 %
 Power factor (cos phi) 0.85
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 66 ft

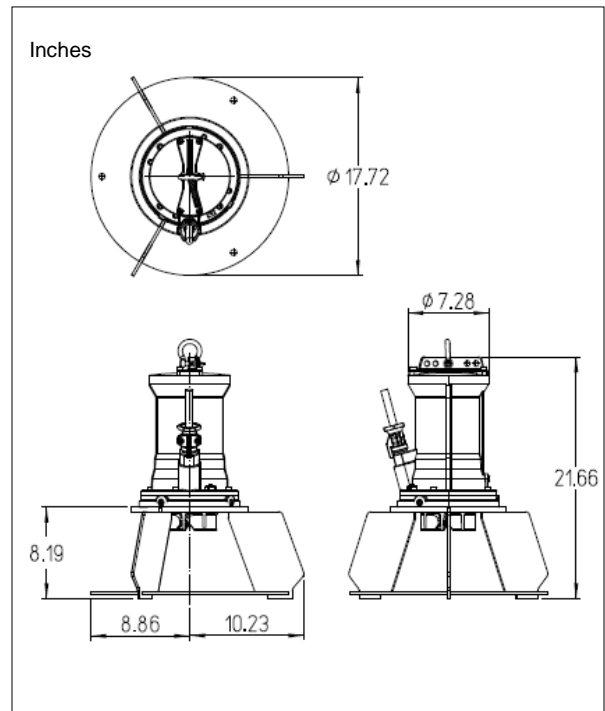


Materials

Impeller S.g cast iron (ASTM A-445 Gr.60-46-18)
 Motor unit Cast iron (ASTM A-48 class 35)
 Shaft AISI 316
 Bolts AISI 316
 Support AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide - FPM
 Seal motor side Carbon - Ceramic

Optional

- Thermo switches in stator windings
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
- Heavy duty support



Connections

voltage	current	electrical cable size	
		direct start	with motor protection and/or water detector
[V]*	[A]	direct start	direct start
208	7.9	AWG 14/4	AWG 14/7
230	7.2	AWG 14/4	AWG 14/7
460	3.6	AWG 14/4	AWG 14/7
575	2.9	AWG 14/4	AWG 14/7
starting current DOL start : 4.8 x rated current			
			* other voltages on request

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

Technical data

Effective area up to Ø 24 ft
 Impeller code 115
 Electrical power in clean water 3.1 kW
 Weight 95 lbs

Motor

Mains: 60 c/s – 3 phase
 Rated horse power 3.4 HP
 Rated electrical power 3.6 kW
 Rated kVA 4.0 kVA
 Nominal speed 1650 rpm
 Motor efficiency 71 %
 Power factor (cos phi) 0.89
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 66 ft

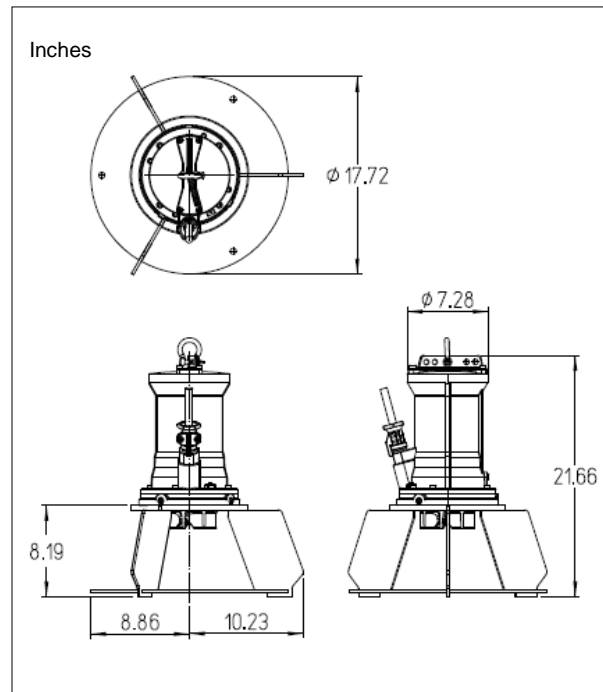


Materials

Impeller S.g cast iron (ASTM A-445 Gr.60-46-18)
 Motor unit Cast iron (ASTM A-48 class 35)
 Shaft AISI 316
 Bolts AISI 316
 Support AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide - Viton
 Seal motor side Carbon - Ceramic

Options available

- Thermo switches in stator windings
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
- Heavy duty support



Connections

voltage	current	electrical cable size			
		direct start		with motor protection and/or water detector	
[V]*	[A]	direct start	star delta start	direct start	star delta start
208	11.1	AWG 14/4	AWG 14/7	AWG 14/7	-
230	10.1	AWG 14/4	AWG 14/7	AWG 14/7	-
460	5.0	AWG 14/4	AWG 14/7	AWG 14/7	-
575	4.0	AWG 14/4	AWG 14/7	AWG 14/7	-
starting current DOL start : 3.4 x rated current					
starting current YD start : 1.1 x rated current					
					* other voltages on request

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

Technical data

Effective area up to Ø 30 ft
 Impeller code 125
 Electrical power in clean water 4.5 kW
 Weight 101 lbs

Motor

Mains: 60 c/s – 3 phase
 Rated horse power 5.4 HP
 Rated electrical power 5.2 kW
 Rated kVA 6.1 kVA
 Nominal speed 1660 rpm
 Motor efficiency 77 %
 Power factor (cos phi) 0.85
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 66 ft

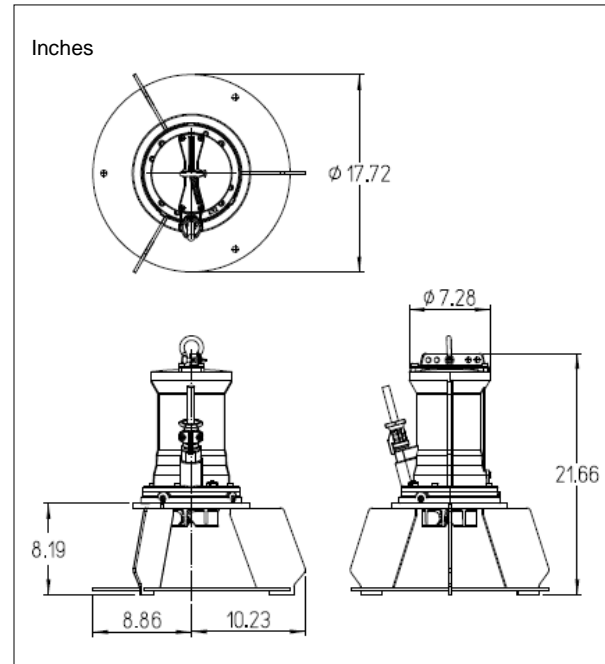


Materials

Impeller AISI 329
 Motor unit AISI 329
 Shaft AISI 316
 Bolts AISI 316
 Support AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide - FPM
 Seal motor side Carbon - Ceramic

Options available

- Thermo switches in stator windings
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
- Heavy duty support



Connections

		electrical cable size					
voltage	current			with motor protection and/or water detector			
[V]*	[A]	direct start	star delta start	direct start	star delta start		
208	17.1	AWG 10/4	AWG 14/7	-	-		
230	15.4	AWG 10/4	AWG 14/7	-	-		
460	7.7	AWG 14/4	AWG 14/7	AWG 14/7	-		
575	6.2	AWG 14/4	AWG 14/7	AWG 14/7	-		
starting current DOL start : 4.3 x rated current							
starting current YD start : 1.4 x rated current				* other voltages on request			

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

Mixer

Effective area up to Ø 46 ft
 Impeller code 135
 Electrical power in clean water 8.1 kW
 Weight 187 lbs

Motor

Mains: 60c/s – 3 phase
 Rated horse power 9.2 HP
 Rated electrical power 8.8 kW
 Rated kVA 10.4 kVA
 Nominal speed 1674 rpm
 Motor efficiency 78 %
 Power factor (cos phi) 0.85
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 33 ft

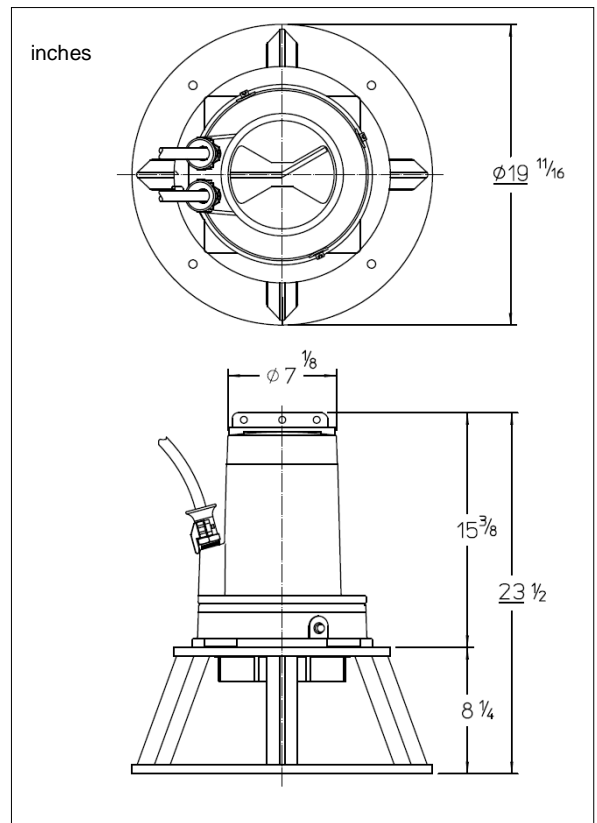


Materials

Impeller AISI 329
 Motor unit parts AISI 329
 Pump shaft AISI 316
 Pump support AISI 316
 Bolts AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide-FPM
 Seal motor side Carbon - ceramic

Optional

- Thermo switches in motor windings
- Cable protection sheet (AISI316)
- Water detector in motor and oil chamber



Connections

		electrical cable size		motor protection and/or water detector			
voltage	current						
[V]*	[A]	directe start	ster-driehoek start	directe start	ster-driehoek start		
208	28.9	AWG 8/4	2x AWG 10/4	AWG 8/4 + AWG 14/4	-		
230	26.1	AWG 8/4	2x AWG 10/4	AWG 8/4 + AWG 14/4	-		
460	13.1	AWG 14/4	AWG 14/7	AWG 14/7	-		
575	10.5	AWG 14/4	AWG 14/7	AWG 14/7	-		
starting current DOL start : 4.2 x rated current							
starting current YD start : 1.4 x rated current				* other voltages on request			

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

Mixer

Effective area up to Ø 53 ft
 Impeller code 140
 Electrical power in clean water 9.9 kW
 Weight 192 lbs

Motor

Mains: 60 c/s – 3 phase
 Rated horse power 11.6 HP
 Rated electrical power 10.6 kW
 Rated kVA 12.2 kVA
 Nominal speed 1668 rpm
 Motor efficiency 81 %
 Power factor (cos phi) 0.87
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 33 ft

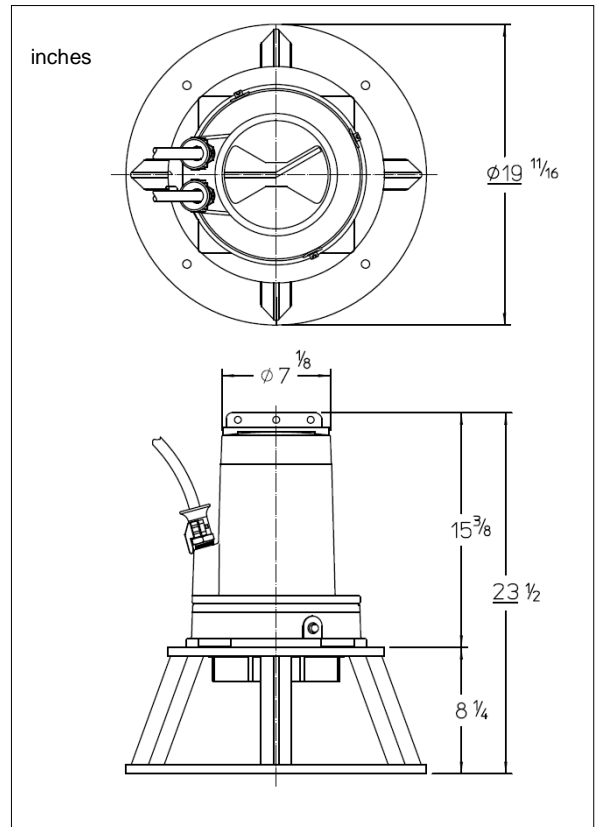


Materials

Impeller AISI 329
 Motor unit parts AISI 329
 Pump shaft AISI 316
 Pump support AISI 316
 Bolts AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide - FPM
 Seal motor side Carbon - ceramic

Optional

- Thermo switches in motor windings
- Cable protection sheet (AISI316)
- Water detector in motor and oil chamber



Connections

		electrical cable size					
voltage	current			with motor protection and/or water detector			
[V]*	[A]	direct start	star delta start	direct start	star delta start		
208	34.0	AWG 8/4	2x AWG 10/4	AWG 8/4 + AWG 14/4	-		
230	30.7	AWG 8/4	2x AWG 10/4	AWG 8/4 + AWG 14/4	-		
460	15.4	AWG 10/4	AWG 14/7	AWG 10/4 + AWG 14/4	AWG 14/7+ AWG 14/4		
575	12.3	AWG 14/4	AWG 14/7	AWG 14/7	AWG 14/7+ AWG 14/4		
starting current DOL start : 6.1 x rated current							
starting current YD start : 2.0 x rated current						* other voltages on request	

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

Mixer

Effective area up to Ø 60 ft
 Impeller code 155
 Electrical power in clean water 15.5 kW
 Weight 225 lbs

Motor

Mains: 60 c/s – 3 phase
 Rated horse power 20.0 HP
 Rated electrical power 17.5 kW
 Rated kVA 20.9 kVA
 Nominal speed 1704 rpm
 Motor efficiency 85 %
 Power factor (cos phi) 0.84
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 33 ft

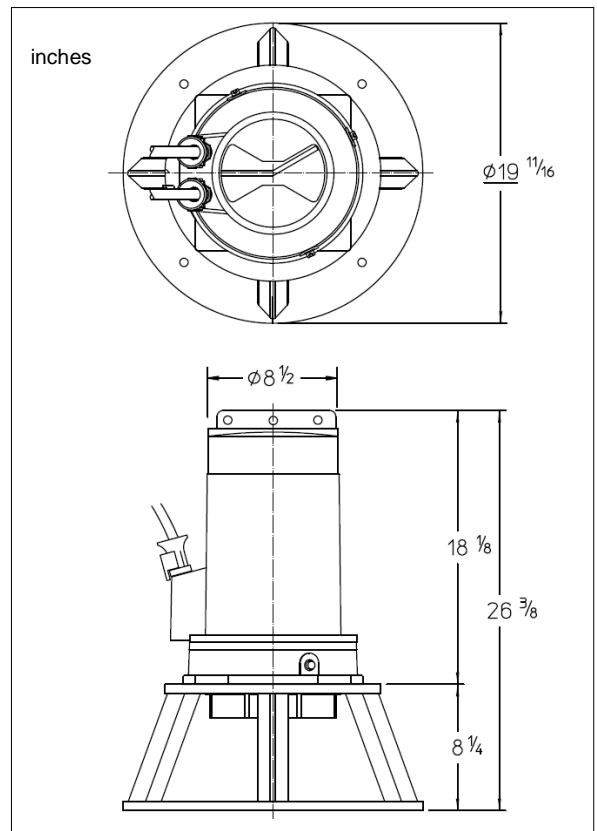


Materials

Impeller AISI 329
 Motor unit parts AISI 329
 Pump shaft AISI 316
 Pump support AISI 316
 Bolts AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide - FPM
 Seal motor side Carbon - ceramic

Optional

- Thermo switches in motor windings
- Cable protection sheet (AISI316)
- Water detector in motor and oil chamber



Connections

		electrical cable size					
voltage	current			with motor protection and/or water detector			
[V]*	[A]	direct start	star delta start	direct start	star delta start		
208	58.1	2x AWG 8/4	2x AWG 8/4	-	-		
230	52.6	2x AWG 8/4	2x AWG 8/4	-	-		
460	26.3	AWG 8/4	AWG 14/7	AWG 8/4 + AWG 14/4	AWG 14/7 + AWG 14/4		
575	21.0	AWG 10/4	AWG 14/7	AWG 10/4 + AWG 14/4	AWG 14/7 + AWG 14/4		
starting current DOL start : 5.0 x rated current							
starting current YD start : 1.7 x rated current						* other voltages on request	