



A WILO COMPANY

Marine Bronze Motorpump™

2.5 Suction 2.5 Discharge
4 Pole 50-60 Hz 1450-1750 RPM

Group - 57000
Model - 57122-4

Pump

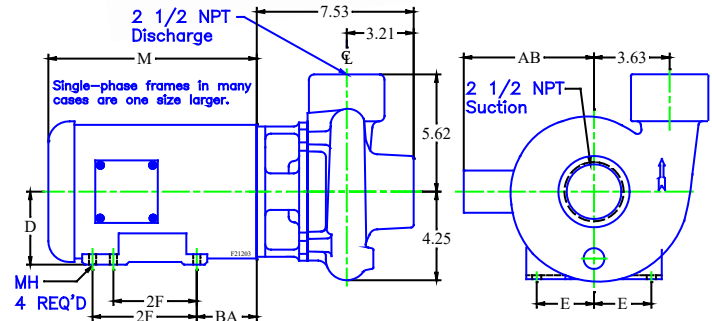
- Heavy-duty marine bronze pump with 954 bronze shaft sleeve for fresh water.
- Heavy-duty marine bronze pump with 954 bronze stub shaft for sea water.
- Precision machined to close tolerances for consistent performance.
- Hardware -
 - External - Type 300 stainless steel
 - Internal - Type 316 stainless steel
- Enclosed impeller for solids to 5/8 inch
- Designed for continuous 24/7 operation.

Shaft Seal

- Rated at 125 PSI
- Buna rubber parts, ceramic stationary element, carbon rotating element, seawater stainless steel spring and metal components

Motor

- Totally enclosed fan cooled IP-44 motors meet marine, European and Coast Guard ignition protected requirements.
- NEMA Premium Efficiency
- Sealed ball bearings
- Single phase motors must be ordered specifically for either 50 Hz or 60 Hz.
- Single-phase capacitor start
 - 50 Hz - 110/220 Volt
 - 60 Hz - 115/230 Volt
- Three-phase - nine lead dual voltage
 - 50 Hz - 190/380 Volt
 - 60 Hz - 230/460 Volt



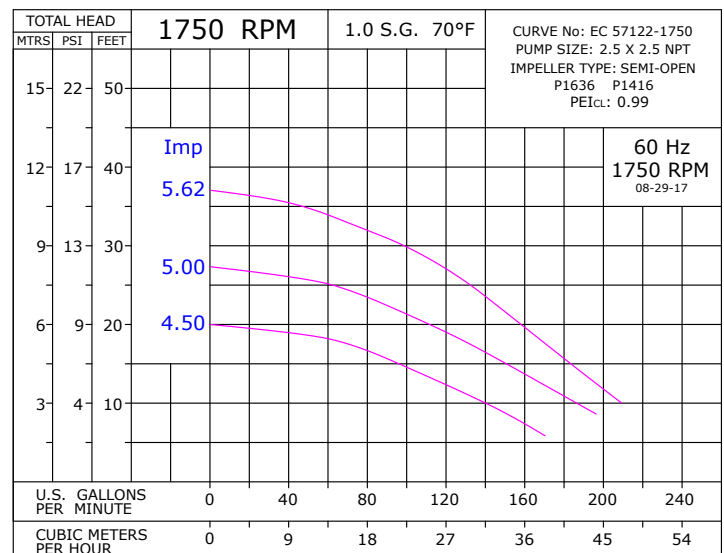
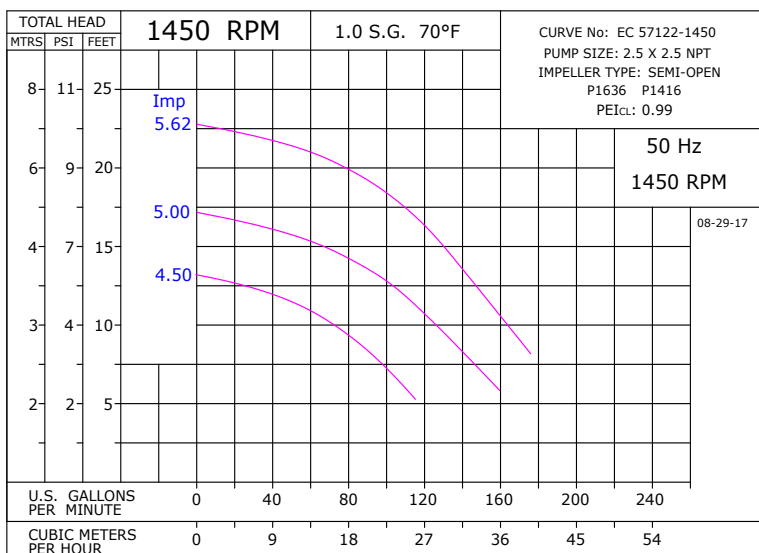
Motor Dimensions

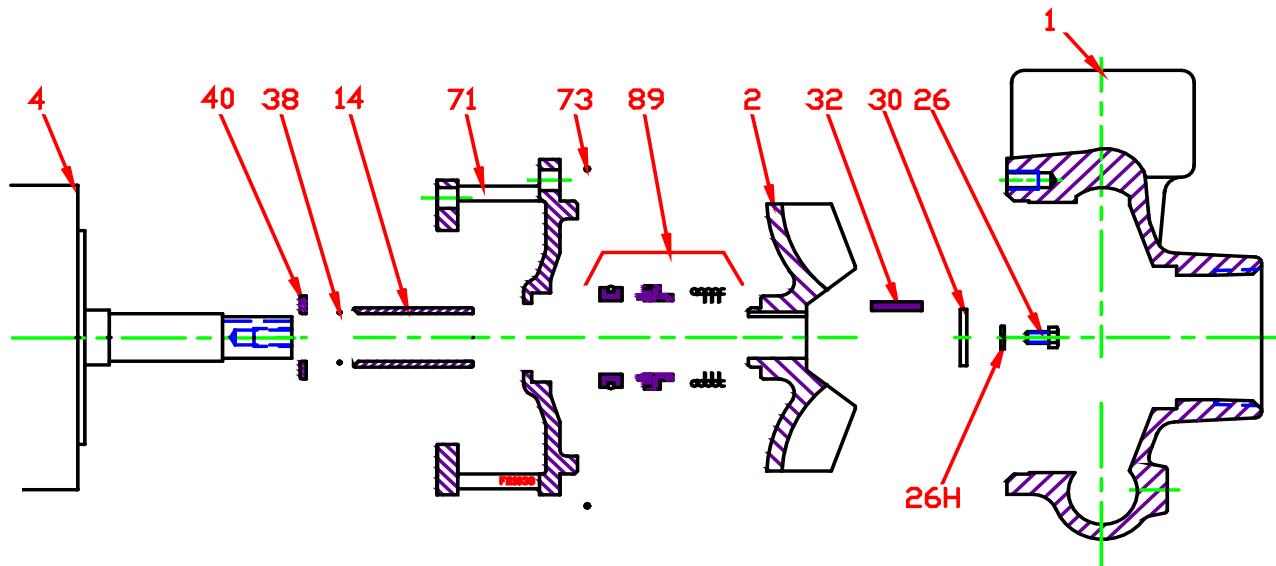
Motor HP 60 Hz	Frame Dimension Table - 1450 - 1750 RPM TEFC Motor							
	Frame	M	D	E	2F	AB	BA	MH
1 1/2	145	12.12	3.50	2.75	5.00	5.25	2.88	.34
1	143	11.12	3.50	2.75	4.00	5.25	2.88	.34
3/4	143	11.12	3.50	2.75	4.00	5.25	2.88	.34

Impeller vs Motor HP

	Frame	HP Ampere Table - 1450 - 1750 RPM TEFC					
		Motor HP		Single Phase		Three Phase	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Imp		Hz	Hz	220 V	230 V	380 V	230 V
562	145	1 1/2	1 1/2	11.0	10.0	3.1	6.4
500	143	1	1	10.1	9.2	2.4	5.0
450	143	3/4	3/4	7.6	6.9	1.5	3.2

Single phase amps for 115V 60 Hz is double 230V amps
Three phase amps for 460V 60 Hz is one half 230V amps
Single phase 50 Hz motors are special order





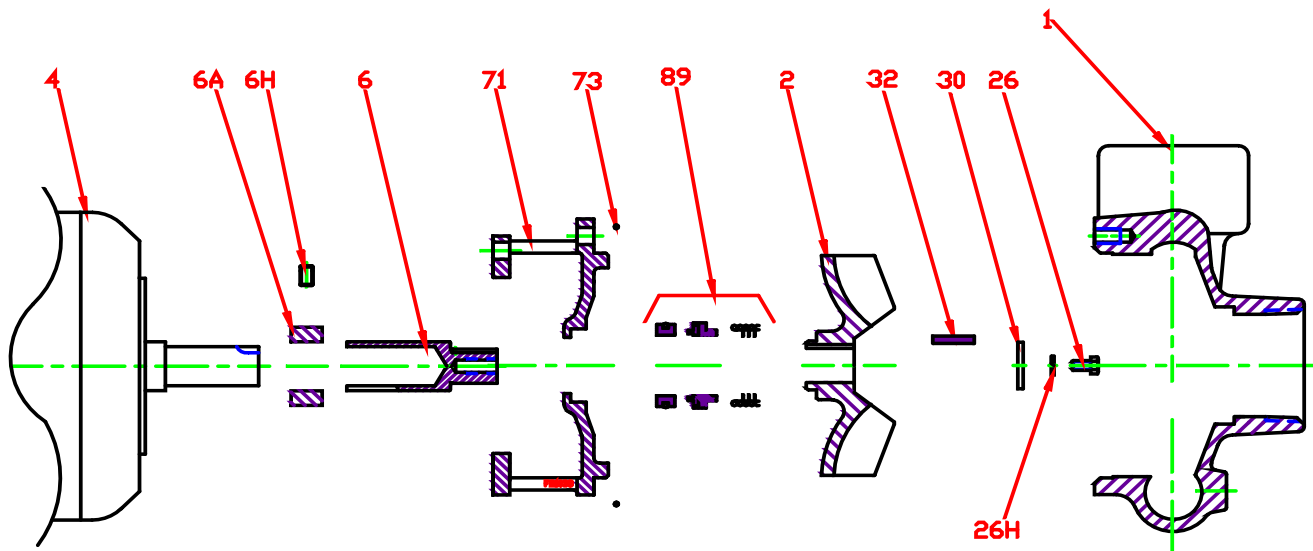
Key No.	Part Name	Part Number
1	Case, Bronze, 2.5 x 2.5 NPT	130.000.274
2	Impeller, Bronze, 7/8" Key, Semi-open, 4.50"	137.000.530.450
	Impeller, Bronze, 7/8" Key, Semi-open, 5.00"	137.000.530.500
	Impeller, Bronze, 7/8" Key, Semi-open, 5.63"	137.000.530.563
4	Motor Chart, JM140/180, Stainless Shaft	See Chart
14	Shaft Sleeve, Bronze 954	189.001.215
26	Cap Screw, Stainless, Retainer	105.000.233
26H	Lock Washer, Stainless, Retainer	104.000.130
30	Washer, Stainless, Retainer	205.030.101
32	Key, Stainless	102.000.102
38	O-ring, Shaft, Buna	116.000.117
40	Flinger, Bronze	189.001.216
71	Adapter, Bronze, JM140/180	189.001.127
73*	Gasket, Case, Buna	116.000.146
89*	Seal, 1-1/4", Type 21, BN-CARB/CM	101.00.104
KIT	Repair Kit, 1-1/4" BN-CARB/CM Seal	189.001.118

* Denotes components included in seal and gasket kit.

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Key No.	Part Name	Part Number
1	Case, Bronze, 2.5 x 2.5 NPT	130.000.274
2	Impeller, Bronze, 7/8" Key, Semi-open, 4.50"	137.000.530.450
	Impeller, Bronze, 7/8" Key, Semi-open, 5.00"	137.000.530.500
	Impeller, Bronze, 7/8" Key, Semi-open, 5.63"	137.000.530.563
4~	Motor Chart, JM140/180, Carbon Steel Shaft	See Chart
6	Shaft, Bronze 954	189.001.160
6A	Collar, Bronze	189.001.129
6H	Set Screw, Stainless	189.001.161
26	Cap Screw, Stainless, Retainer	105.000.233
26H	Lock Washer, Stainless, Retainer	104.000.130
30	Washer, Stainless, Retainer	205.030.101
32	Key, Stainless	102.000.102
71	Adapter, Bronze, JM140/180	189.001.127
73*	Gasket, Case, Buna	116.000.146
89*	Seal, 1-1/4", Type 21, BN-CARB/CM	101.00.104
KIT	Repair Kit, 1-1/4" BN-CARB/CM Seal	189.001.118

* Denotes components included in seal and gasket kit.

~ Motor shaft requires modification; contact factory.

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