



## 8" ENCAPSULATED SUBMERSIBLE MOTORS



**40 through 200 horsepower**  
**Three phase 380 to 575 volts**  
**60 and 50 hertz**

### APPLICATION DATA

These motors are built for dependable operation in 8" diameter or larger water wells. Temperature and time rating continuous in 86°F (30°C) water at 1/2 ft./sec. flow past motor. Rotation is electrically reversible.

### BASIC FEATURES

### SPECIAL OPTIONS

- **#316 Stainless Steel Construction**  
For saltwater, leach mining and reverse osmosis, also low pH and other chemical pumping applications.
- **Worldwide Adaptability**  
All standard voltage and hertz ratings are offered. Consult factory for availability. Three lead configuration suitable for reduced voltage auto-transformer starting.
- **Silicon Carbide Rotating Face Seal**  
For applications with sand or other abrasives.

- Double Flange Design
- Stainless Steel Splined Shaft
- Hermetically-Sealed Windings
- Anti-Track Self-Healing Resin System
- Stainless Steel Shell
- Epoxy Coated End Frames
- Filter Check Valve
- Kingsbury-type Water Lubricated Thrust Bearing
- Pressure Equalizing Diaphragm
- 3-Lead & 6-Lead (Wye-Delta) Configurations
- Motor Pre-Filled
- Sand Fighter Slinger
- Removable "Water-Bloc" Lead
- Copper Bar Rotor
- Carbon-Ceramic Rotating Face Seal
- Equipped with a Subtrol-Plus® heat sensor (40-150 Hp)

### SUBTROL-PLUS® OPTION

A field proven and contractor friendly premium motor protection system. It protects the motor against overload, underload, overheating and rapid cycling. It also extends the motor warranty. Motor must be manufactured with a Subtrol-Plus® heat sensor.

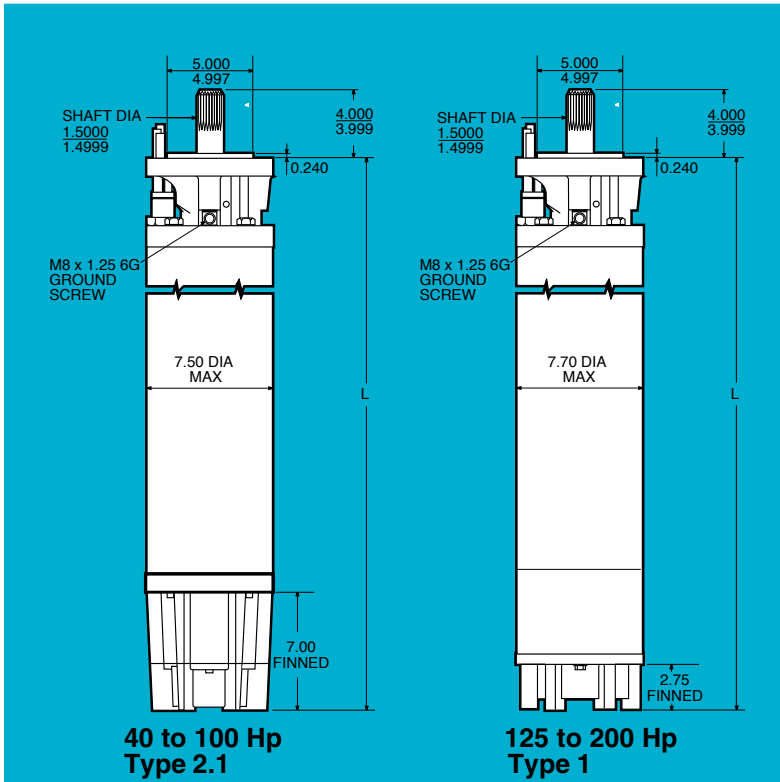


**Franklin Electric**



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## DIMENSIONS



## AVAILABILITY

### 8-Inch Pump Flange (5-inch rabbet & 6-inch bolt circle)

Hp	kW	"L" Dimension		Shipping Weight	
		ins	cm	lbs	kgs
40	30	36.4	92.5	305	138
50	37	39.4	100.0	340	154
60	45	42.4	107.7	380	172
75	55	48.0	121.9	445	202
100	75	55.5	141.0	530	240
125	90	68.8	174.8	700	318
150	110	77.8	197.6	840	381
175	130	85.8	217.9	925	420
200	150	94.8	240.8	1,090	494

60 Hz - Nominal 3,525 RPM  
50 Hz - Nominal 2,900 RPM

## CONSTRUCTION MATERIALS

### Component

	Standard Water Well	Corrosion Resistant (316 S.S.)
1. Castings	Gray Iron	316 S.S.
2. Stator Shell	304 S.S.	316 S.S.
3. Stator Ends	Carbon Steel	316 S.S.
4. Shaft Extension	17-4 S.S.	17-4 S.S.
5. Fasteners	300 Series S.S.	316 S.S.
6. Seal Cover	304 S.S. & Sintered Bronze	316 S.S.
7. Seal	Nitrile Carbon Ceramic Face	Nitrile Carbon Ceramic Face
8. Diaphragm	Type 200 Hydrin	Type 200 Hydrin
9. Diaphragm Plate	304 S.S.	316 S.S.
10. Diaphragm Spring	302 S.S.	316 S.S.
11. Slinger	Type 100 Hydrin	Type 100 Hydrin
12. Lead Wire (or Cable)	RHW	RHW
13. Lead Sleeve	316 S.S.	316 S.S.
14. Lead Potting	Epoxy	Epoxy
15. Lead Jam Nut	SAE CA 3660 Brass	316 S.S.
16. Filter	Delrin & Polyester	316 S.S.Plug

**Note:** All dimensions shown in inches unless otherwise noted.  
Specifications subject to change without notice. Contact F.E. if current material types are required for bid specifications.



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