

# 8" ENCAPSULATED 30 °C SUBMERSIBLE MOTORS

Motors  
Drives  
Controls  
Protection

40 - 200 hp, three-phase 380 - 575 Volts 60 and 50 Hz



## Application Data:

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

## Basic Features:

- Full 3525 rpm design point for superior pump head & flow yield
- Winding encapsulated in anti-tracking resin
- Hermetically-sealed stator area
- Kingsbury-type water lubricated thrust bearing
- FES91 exclusive water based bearing lubrication
- Water Bloc™ removable lead connection
- Double flanged design for ease of handling and pump mounting
- Spline shaft for maximum shaft and coupling contact
- Copper bar rotor provides consistent design performance
- Pressure equalizing diaphragm
- Subtrol heat sensors standard on all 8" encapsulated 30 °C motors

## Options

- 6-Lead (Y-D) Designs
- 316 Stainless Steel Designs
- Sand Fighter™ shaft seal standard on 150-200 hp and is an available option on 40-125 hp. All 316SS motors have Sand Fighter™ shaft seal as standard
- Non-vertical application designs available
- Other voltage and Hz design points available

## Franklin's exclusive SubMonitor™ overload protection options extends motor warranty to 3 years\*

This contractor friendly premium motor protection system protects the motor against overload, underload, overheating and rapid cycling.

\* Contact Factory for warranty details

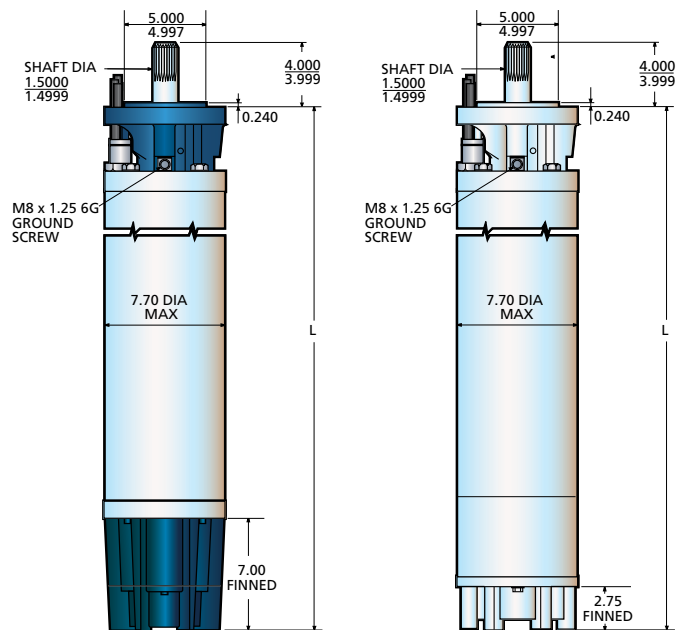


# Availability

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

HP	KW	"L" DIM		SHIPPING WEIGHT	
		INS	CM	LBS	KGS
40	030	36.4	92.5	0,320	145
50	037	39.4	100.0	0,345	157
60	045	42.4	107.7	0,375	170
75	055	47.4	120.4	0,430	195
100	075	54.9	139.4	0,530	240
125	093	68.8	174.8	0,700	318
150	110	77.8	197.6	0,840	381
175	130	85.8	217.9	0,925	420
200	150	94.8	240.8	1,040	473

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



**40 to 100 hp  
Type 2.1**

**125 to 200 hp  
Type 1**

# Construction Materials

Component	Standard Water Well	Corrosion Resistant (316 SS)
Castings	Gray Iron	316 SS
Stator Shell	304 SS	316 SS
Stator Ends	Carbon Steel	316 SS
Shaft Extensions	17-4 SS	17-4 SS
Fasteners	300 Series SS	316 SS
Seal Cover	304 SS & Sintered Bronze	316 SS
Seal	40-125 hp - Carbon/Ceramic Face; 150-200 hp - SandFighter™	SandFighter™
Diaphragm	Nitrile	Nitrile
Diaphragm Plate	304 SS	316 SS
Diaphragm Spring	302 SS	316 SS
Slinger	Nitrile	Nitrile
Lead Wire (or Cable)	RHW	RHW
Lead Sleeve	316 SS	316 SS
Lead Potting	Epoxy	Epoxy
Lead Jam Nut	Brass	316 SS
Filter	Delrin & Polyester	316 SS 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.



**Franklin Electric**

400 East Spring Street, Bluffton, Indiana 46714 • Tel: 260.824.2900 Fax: 260.824.2909 • [www.franklin-electric.com](http://www.franklin-electric.com)