



4" High Thrust Submersible Motors

- Single Phase:**
- 2.2 to 3.7 kW
 - 230 Volts, 50 Hertz
- Three Phase:**
- 2.2 to 7.5 kW
 - 380-415 Volts, 50 Hertz (230V, 50Hz)

APPLICATIONS

These motors are built for dependable operation in 4" diameter or larger water wells. Temperature and time rating continuous in 30°C (86°F) water at 7.6cm/sec (1/4 ft/sec) flow past motor. Rotation: single phase, CCW facing shaft end; three phase, electrically and mechanically reversible.

For further information, refer to Franklin Electric's "Submersible Motors: Application, Installation, Maintenance Manual".

FEATURES

- Corrosion-Resistant Construction
- Stainless Steel Splined Shaft
- Hermetically-Sealed Windings
- Anti-Track Self-Healing Resin System
- Water Lubrication
- Filter Check Valve (Water Well)
- Kingsbury-type Thrust Bearing
- Pressure Equalizing Diaphragm
- Sand Fighter Slinger
- Built-In Lightning Arrestors (single phase)
- Removable "Water-Bloc" Lead Installed
- NEMA Mounting Dimensions

CONTROL BOXES

- 1 ph, 230V, 3 Wire
- Franklin's single phase submersible Control Boxes are suitable for outdoor mounting IP23
- Start and run winding overloads protect the motor from failure due to abnormal operating conditions.

SPECIAL FEATURES

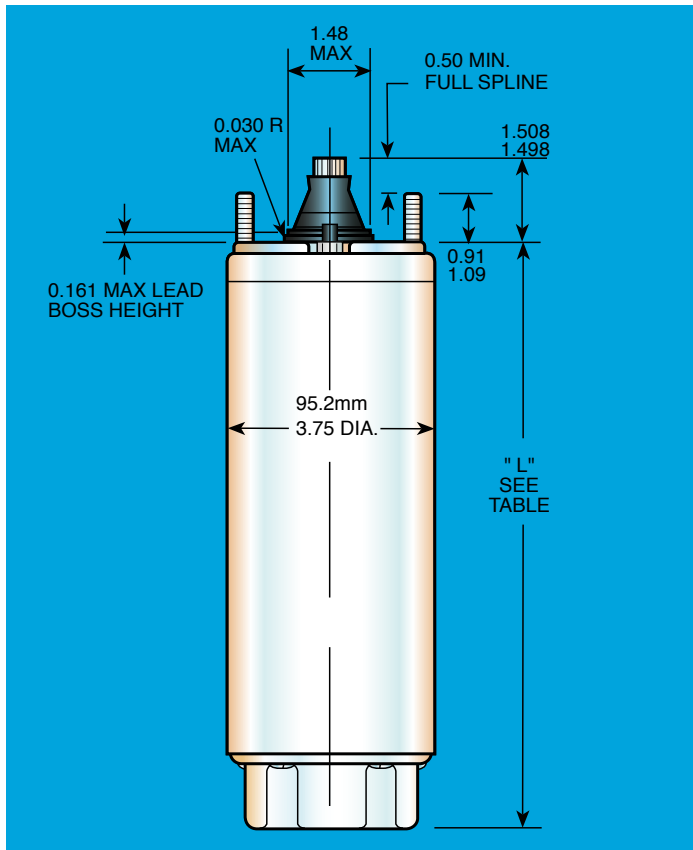
- **316 Stainless Steel:** Special construction option for acid, low pH, and seawater applications.
- **Hi Temp 75C:** Special construction for secondary oil recovery wells, geothermal, or other applications with high ambient temperatures. Consult Factory for construction details.

WARNINGS: Serious or fatal electrical shock or fire hazard may result from failure to follow the instructions for proper installation and use which accompany this equipment. Do not use motor in swimming areas.



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DIMENSIONS



AVAILABILITY

Single Phase Capacitor start, capacitor run
(Control Box required)²

HP	kW	"L" Dimension mm	Shipping Weight kgs
3	2.2	564	25.0
5	3.7	716	31.8

Three Phase (Special control required)

HP	kW	"L" Dimension mm	Shipping Weight kgs
3	2.2	487	19.1
4	3	422	24
5	3.7	564	25.0
5.5	4	583	22
7 1/2	5.5	716	31.8
10	7.5	1115	34.1

Specifications subject to change without notice. Contact Franklin Electric if material types are required for bid specifications.

CONSTRUCTION MATERIALS

Component	Environment Type	
	Standard Water Well	316 SS
1. Castings	303 SS Over Iron	316 SS
2. Stator Shell	301 SS	316 SS
3. Stator Ends	Low Carbon Steel	316 SS
4. Shaft Extension	17-4 SS on 5-10 Hp; 303 SS on 3 Hp	17-4 SS-All
5. Fasteners	300 Series SS	316 SS
6. Seal Cover	Acetal	316 SS
7. Seal	Nitrile Rubber Lip Seal	Viton, Carbon, Ceramic Face Seal
8. Diaphragm	Nitrile Rubber	Type 200 Hydrin
9. Diaphragm Plate	304 SS	304 SS
10. Diaphragm Spring	302 SS	302 SS
11. Diaphragm Cover	304 SS	316 SS
12. Slinger	Nitrile Rubber	Nitrile Rubber
13. Lead Wire (or Cable) ¹	KTW/VDE FLAT 3 wte ¹	KTW/VDE FLAT 3 wte ¹
14. Lead Potting	Epoxy	Epoxy
15. Lead Jam Nut	303 SS	316 SS
16. Filter	Delrin & Polyester	316 SS Plug

1. Leads – All High Thrust motors 2.2 to 7.5 kW – 2.5M leads

2. Franklin Electric Control Box required for warranty cover
Single Phase products comply with IEC/CSIPR14



Franklin Electric

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