

4" SUPER STAINLESS SUBMERSIBLE MOTORS

**1/3 through 1 1/2 Hp - 2-wire: 1/3 through 2 Hp - 3-wire:
Single phase 115, 230 volt - 60 Hz; 220 volt - 50 Hz: Three phase
200, 230, 380, 460, 575 volt - 60 Hz; 220, 380 volt - 50 Hz**

APPLICATION DATA

These motors are built for dependable operation in 4" diameter or larger water wells. Continuous rating in 86°F (30°C) water. Rotation: Single phase, CCW facing shaft end; three phase electrically reversible.

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

BASIC FEATURES

- Corrosion-Resistant All Stainless Steel Exterior Construction
- Stainless Steel Splined Shaft
- Hermetically-Sealed Windings
- Anti-Track Self-Healing Resin System
- Water Lubrication
- Filter Check Valve
- Kingsbury-Type Thrust Bearing
- Pressure Equalizing Diaphragm
- Built-In Lightning Arrestors (all single-phase; 200 and 230 volt 3-phase)
- Removable "Water-Bloc" Lead Installed In North American 60 Hz Water Well Motors. Consult Factory For Additional Leads.
- UL 778 Recognized (North American Voltages)
- CSA Certified
- ANSI/NSF 61 Certified
- NEMA Mounting Dimensions

SPECIAL FEATURES

- Bottom end bell materials and sealing methods improve corrosion resistance in aggressive water conditions.
- No flow inducer sleeve required in water up to 86°F (30°C).
- Two-wire motors are split phase designs with integral starting components and do not require a control box. They feature FRANKLIN'S patented 2-wire BIAC starting switch which provides automatic torque reversal to aid starting in adverse environments and prevents extreme fast cycling (e.g. due to water logged tank).
- Three-wire motors 1/3 - 1 Hp use FRANKLIN'S exclusive 3-wire QD (Quick-Disconnect) Control Box with the patented QD Relay. This relay provides the ultimate in operational life.

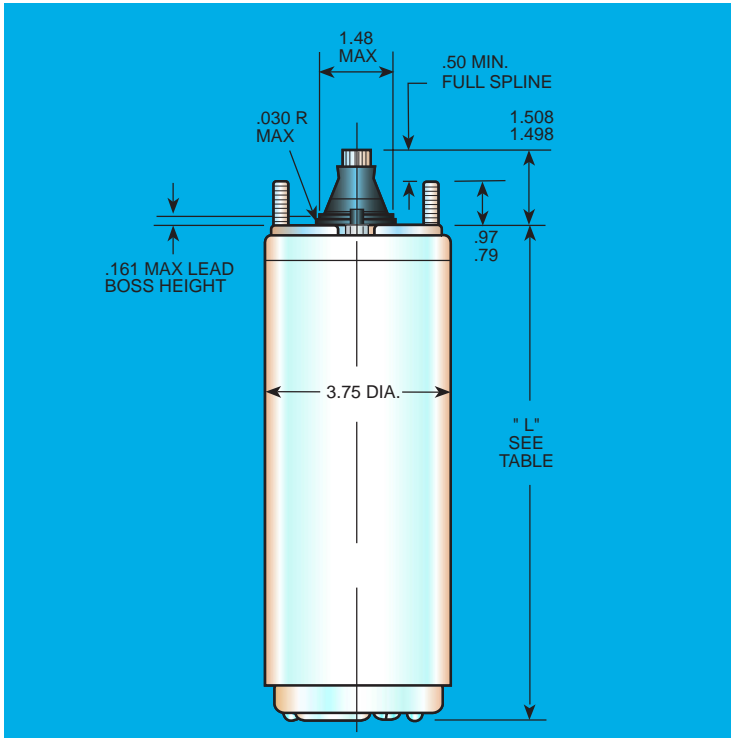
WARNINGS: Serious or fatal electrical shock or fire hazard may result from failure to follow the instructions for proper installation and use which accompany this equipment. Do not use motor in swimming areas.



Franklin Electric

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DIMENSIONS



CONSTRUCTION MATERIALS

Component	Standard Water Well
Castings	304S.S. Over Iron
Stator Shell	301S.S.
Shaft Extension	17-4S.S. or 303S.S.
Fasteners	305S.S. or 302S.S.
Seal Cover	Acetal
Seal	Nitrile Rubber Lip
Diaphragm	Nitrile Rubber
Diaphragm Cover	301S.S.
Slinger	Nitrile Rubber
Lead Wire (or Cable)	XLPE ①
Lead Potting	Epoxy
Lead Jam Nut	303S.S.

① Removable type installed in North American 60 Hz rated water well motors. Consult factory for additional leads.

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

AVAILABILITY — Single Phase (Consult Factory For Three Phase)

2-Wire, Split Phase, 60Hz, 3450 RPM

Hp	kW	volts	"L" Dimension		Shipping Weight
			ins	lbs	
1/3	.25	115 or 230	8.78	16	7.2
1/2	.37	115 or 230	9.53	18	8.1
3/4	.55	230	10.66	21	9.5
1	.75	230	11.75	24	10.9
1 1/2	1.1	230	15.12	32	14.5

3-Wire, Capacitor Start, 60Hz, 3450 RPM ②

Hp	kW	volts	"L" Dimension		Shipping Weight
			ins	lbs	
1/3	.25	115 or 230	8.78	16	7.2
1/2	.37	115 or 230	9.53	18	8.1
3/4	.55	230	10.66	21	9.5
1	.75	230	11.75	24	10.9
1 1/2	1.1	230	13.62	29	13.1
2	1.5	230	15.12	32	14.5

2-Wire, Split Phase, 50Hz, 2875 RPM

Hp	kW	volts	"L" Dimension		Shipping Weight
			ins	lbs	
1/2	.37	220	9.53	18	8.1
3/4	.55	220	10.66	21	9.5
1	.75	220	11.75	24	10.9
1 1/2	1.1	230	15.12	32	14.5

3-Wire, Capacitor Start, 50Hz, 2875 RPM ②

Hp	kW	volts	"L" Dimension		Shipping Weight
			ins	lbs	
1/3	.25	220	8.78	16	7.2
1/2	.37	220	9.53	18	8.1
3/4	.55	220	10.66	21	9.5
1	.75	220	11.75	24	10.9
1 1/2	1.1	220	13.62	29	13.1
2	1.5	220	15.12	32	14.5

② Franklin Electric control box required.



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400 E. Spring Street, Bluffton, Indiana 46714
Tel: 219 824 2900 Fax: 219 824 2909
www.franklin-electric.com