

# 4" HIGH THRUST SUBMERSIBLE MOTORS

## Three-Phase 11 kW

### Application Data

These motors are built for superior dependability in 4" diameter or larger water wells. Temperature and time rating continuous in 30 °C (86 °F) water at 0.24cm/s (1/4 ft/sec) flow past motor. Rotation: three-phase, electrically reversible.

### Basic Features:

- Three-phase voltages  
460/380-415 V 60/50 Hz
- Corrosion-resistant construction
- Stainless steel splined shaft
- Hermetically-sealed windings
- Anti-track self-healing resin system
- Water lubrication
- Filter check valve
- 15,000 N (3,500 lbs) Kingsbury-type thrust bearing
- Pressure equalizing diaphragm
- Center bearing construction
- Removable Water-Bloc™ lead installed (supplied with 3 metre standard lead length)
- NEMA pump mounting dimensions
- Hardened radial bearing journals
- Sand Fighter mechanical seal system

### Special Features:

- **Center bearing system:** Similar to the 6" Franklin Electric motors
- **Thrust bearing:** 15,000 N (3,500 lbs); Superior protection
- **World wide adaptability:** All standard voltage and Hertz ratings are offered (contact Franklin Electric for availability)

### Application Type:

- Designed to withstand the depths and extreme duties of dewatering applications found in energy recovery applications.
- Excellent product for geothermal standing column applications.

**WARNING:** 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.

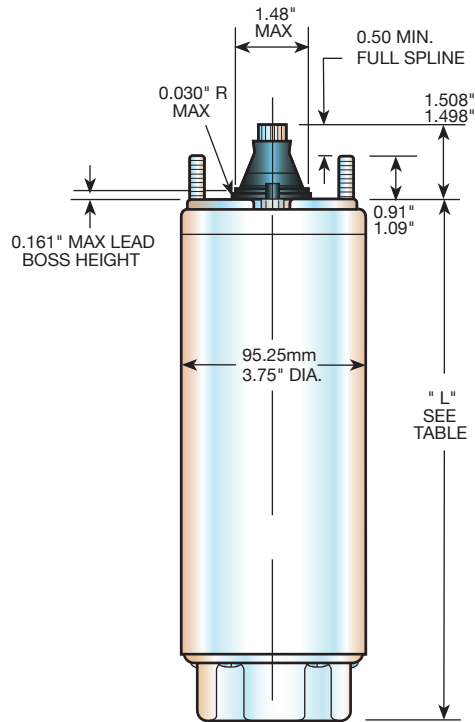


# Dimensions

## Three-Phase

HP	KW	"L" DIM		SHIPPING WEIGHT	
		INS	MM	LBS	KGS
15	11.2	49.01	124.48	115	52.3

60 Hz - 3,450 rpm  
50 Hz - 2,875 rpm



## AIM Manual Data

- **Cable lengths:** To be consistent with past practice of maintaining a 5% voltage drop, cable lengths for this motor should be 10% less than what is shown for a 11 kW at 415 V motor in the existing published tables.
- **Fuses/circuit breakers Amps:**
  - Standard fuse = 70A (typical), 80A (max per NEC)
  - Time-delay fuse = 30A (typical), 45A (max per NEC)
  - Circuit breaker = 60A (typical & max per NEC)
- **Adjustable relays:**
  - Set = 24.6A, max = 26.5A
- **Winding resistance:** 1.35 Ohms
- **SF Amps:** 26.5A

Removable type leads installed. Consult our Submersible Service Hotline at 1300 FRANKLIN (1300 372 655 AU only) for information regarding replacement leads.

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



## Franklin Electric

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