



SERIES 600M 4" SUBMERSIBLE MOTORS

A TOUGH MOTOR FOR DEMANDING APPLICATIONS

APPLICATIONS

Rugged and dependable, Franklin Electric's Series 600M motors are designed specifically to handle the heavy sediment and unique water chemistries often present in fountain applications. Featuring a corrosion-resistant construction to withstand harsh conditions, Series 600M motors offer the same reliable performance found in standard Franklin motors.

Franklin Electric Series 600M motors are available in a variety of ratings to handle most North American installations.

RATINGS

- Single-Phase, 3/4 - 5 hp, 230 V, 60 Hz
- Three-Phase, 3/4 - 5 hp, 230/460/380 V, 60 Hz

FEATURES

- Mechanical seal
- Corrosion-resistant construction
- Stainless steel splined shaft
- Hermetically-sealed windings
- Anti-track, self-healing resin system
- Water-lubricated bearings
- Filter check valve
- Kingsbury-type thrust bearing
- Pressure-equalizing diaphragm
- Removable Water-Bloc™ lead in clamp design
- NEMA pump mounting dimensions
- 3 & 5 hp High Thrust are built using the advanced Power-Dense 24-slot stator to maximize available horsepower per linear inch of motor length
- UL 778 recognized
- CSA C22.2 #108 certified

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.



SERIES 600M 4" SUBMERSIBLE MOTORS

CONSTRUCTION MATERIALS

| Component | Series 600M |
|----------------------|-------------------------------------|
| Top Casting | 303 SS |
| Bottom Casting | 303 SS Over iron, painted cast iron |
| Stator Shell | 316 SS |
| Stator Ends | Low-carbon steel |
| Shaft Extension | 17-4 SS |
| Fasteners | 300 Series SS |
| Seal Cover | Sintered bronze |
| Seal | Mechanical seal SiC/SiC |
| Diaphragm | Nitrile rubber |
| Diaphragm Cup | 316 SS |
| Diaphragm Spring | 316 SS |
| Diaphragm Cover | Gray iron |
| Slinger | Nitrile rubber |
| Lead Wire (or Cable) | XLPE* |
| Lead Potting | Epoxy |
| Lead Screws/Clamp | 316 SS |
| Filter | Delrin and polyester |
| Lead | Water-Bloc™ (clamp style) |

* Removable type, factory-installed in 60 Hz and dual-rated-frequency water well motors. Consult catalog for additional leads. Specifications subject to change without notice. Contact Franklin Electric if current material types are required for bid specifications.

DIMENSIONS & WEIGHT

| HP | KW | PH | "L" Dim Inches | Shipping Weight | |
|--------|------|----|----------------|-----------------|------|
| | | | | LBS | KG |
| 3/4 | 0.55 | 1 | 11.12 | 21 | 9.5 |
| | | 3 | | | |
| 1 | 0.75 | 1 | 12.21 | 24 | 10.9 |
| | | 3 | | | |
| 1.5 | 1.1 | 1 | 14.09 | 28 | 12.7 |
| | | 3 | 12.21 | 24 | 10.9 |
| 2 | 1.5 | 1 | 15.59 | 31 | 14.1 |
| | | 3 | 14.09 | 28 | 12.7 |
| 3 | 2.2 | 1 | 19.04 | 42 | 19.1 |
| | | 3 | 16.04 | 35 | 15.9 |
| 3 (HT) | 2.2 | 1 | 22.5 | 54 | 24.5 |
| | | 3 | 19.5 | 42 | 19 |
| 5 (HT) | 3.7 | 1 | 27.4 | 67 | 30.5 |
| | | 3 | 22.5 | 54 | 24.5 |

SPECIFICATIONS

Single-Phase

| HP | Voltage | HZ | SF Amps | Thrust Rating | Model |
|-----|---------|----|---------|---------------|--------------|
| 3/4 | 230 | 60 | 8.0 | 300 | 214 507 0600 |
| 1 | 230 | 60 | 9.8 | 650 | 214 508 0610 |
| 1.5 | 230 | 60 | 11.5 | 650 | 224 300 0610 |
| 2 | 230 | 60 | 13.2 | 650 | 224 301 0610 |
| | 230 | 60 | 17.0 | 900 | 224 302 0620 |
| 3 | 230 | 60 | 17.0 | 1500 | 224 302 0630 |
| | 230 | 60 | 27.5 | 1500 | 224 303 0630 |

Three-Phase

| HP | Voltage | HZ | SF Amps | Thrust Rating | Model |
|-----|---------|----|---------|---------------|---------------|
| 3/4 | 230 | 60 | 2.5 | 300 | 234 512 0600 |
| | 460 | 60 | 1.9 | 300 | 234 522 0600 |
| 1 | 230 | 60 | 4.7 | 650 | 234 513 0610 |
| | 460 | 60 | 2.4 | 650 | 234 523 0610 |
| 1.5 | 230 | 60 | 5.9 | 650 | 234 514 0610 |
| | 460/380 | 60 | 3.1 | 650 | 234 524 0610 |
| 2 | 230 | 60 | 8.1 | 650 | 234 315 0610 |
| | 460/380 | 60 | 4.1 | 650 | 234 325 0610 |
| 3 | 230 | 60 | 10.9 | 900 | 234 316 0620 |
| | 460/380 | 60 | 5.5 | 900 | 234 326 0620 |
| | 230 | 60 | 10.9 | 1500 | 234 316 0630 |
| 5 | 230 | 60 | 5.5 | 1500 | 234 326 0630 |
| | 460/380 | 60 | 17.4 | 1500 | 234 717 0630G |
| | 460/380 | 60 | 8.6 | 1500 | 2343 270 630 |

