



Application

These motors are built for dependable operation in vertical 8" diameter or larger water wells.

Basic Features

- Full 3525 RPM 60 Hz Design Point for Superior Pump Head & Flow Yield
- Maximum Temperature Winding Wire NEMA Class 200
- Double Flange Design for Ease of Handling and Pump Mounting
- Splined Shaft for Maximum Shaft and Coupling Contact
- Resin Encapsulated Windings
- Hermetically-sealed Stator
- Copper Bar Rotor Provides Consistent Design Performance
- Carbon Ceramic Rotating Face Seal
- Kingsbury-type Water-lubricated Thrust Bearing
- Pressure-equalizing Diaphragm
- Water Bloc Lead Connection
- 3-Lead & 6-Lead (Wye-delta) Configurations
- Pre-filled with Temperature-resistant Fill Solution
- Sand Fighting Slinger
- Equipped with Subtrol Heat Sensor
- Worldwide Availability

Special Options

- Sand Fighter Models with special Silicon Carbide based sealing system available for applications with sand or other abrasives.
- 316 SS Construction Models available. All 316 SS models include Sand Fighter sealing system and Subtrol heat sensor for use with SubMonitor protective devices.
- SubMonitor Motor Protection — A field proven and contractor friendly premium motor protection system. It protects the motor against overload, underload, overheating, and rapid cycling. The use of SubMonitor can also extend the motor warranty. See SubMonitor literature for details.

NOTE: Motor must be manufactured with Subtrol heat sensor.

Standard 8-Inch Three-phase Motor Specifications

Hz	Hp Range	kW Range	Poles	RPM	Max. Ambient Temp.	Duty Rating
60	40 - 200	30 - 150	2	3525	86°F / 30°C	Continuous at 0.5 ft/sec flow past motor
50	40 - 200	30 - 150	2	2900	86°F / 30°C	Continuous at 0.5 ft/sec flow past motor

Standard 8-Inch Construction Materials

Component	Construction Type		
	Standard Water Well	Sand Fighter™	Corrosion Resistant(316 SS)
Castings	Gray Iron	Gray Iron	316 SS
Stator Shell	304 SS	304 SS	316 SS
Stator Ends	Carbon Steel	Carbon Steel	316 SS
Shaft Extension	17-4 SS	17-4 SS	17-4 SS
Fasteners	300 Series SS	300 Series SS	316 SS
Seal Cover	304 SS & Sintered Bronze	304 SS & Sintered Bronze	316 SS
Seal	Carbon Ceramic Face	Sand Fighter™ SiC/SiC Seal System	Sand Fighter™ SiC/SiC Seal System
Diaphragm	Type 200 Hydrin	Type 200 Hydrin	Type 200 Hydrin
Diaphragm Plate	304 SS	304 SS	316 SS
Diaphragm Spring	302 SS	302 SS	316 SS
Slinger	Type 100 Hydrin	Type 100 Hydrin	Type 100 Hydrin
Lead Wire (or Cable)	XLPE 125°C	XLPE 125°C	XLPE 125°C
Lead Sleeve	316 SS	316 SS	316 SS
Lead Potting	Epoxy	Epoxy	Epoxy
Filter	Delrin & Polyester	Delrin & Polyester	316 SS Plug

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

