

6" 50 & 60 HP HI-TEMP 50C SUBMERSIBLE MOTORS

Motors
Drives
Controls
Protection

50 & 60 hp, three-phase

Some pumping applications require more – and Franklin's Hi-Temp Motor line delivers just that – more. The Hi-Temp motor was designed and built in response to many requests for a motor that can operate dependably in wells with high temperatures and/or low flow conditions.

The Hi-Temp 50C 6" motor utilizes a new, premium encapsulation process to allow continuous operation in water temperatures of up to 50 °C (provided minimum allowable rates of flow past the motor are maintained).

Franklin's Hi-Temp 50C is the right choice for your demanding, high temperature well applications.

Basic Features:

- Up to 122 °F (50 °C) ambient temperature.
(The "50C" in the name designates a max ambient temperature)
- Wet Well, Reservoir, Low Flow approved in 12" diameter or larger wells with ambient water up to 87 °F (30 °C)
- Hermetically sealed stator
- Innovative high temperature winding encapsulation system
- FES91 Exclusive water soluble bearing lubrication
- Double-flange NEMA mounting for ease of handling and pump mounting
- Stainless steel splined shaft for maximum shaft/coupling contact
- Full 3450 RPM 60 Hz design point for superior pump performance
- SAND FIGHTER™ Sealing System
- Franklin Electric's exclusive Water-Bloc™ lead connection
- 316 SS and Y-Δ designs are available, consult factory.
- Extended warranty available when used with FE SubMonitor overload protection

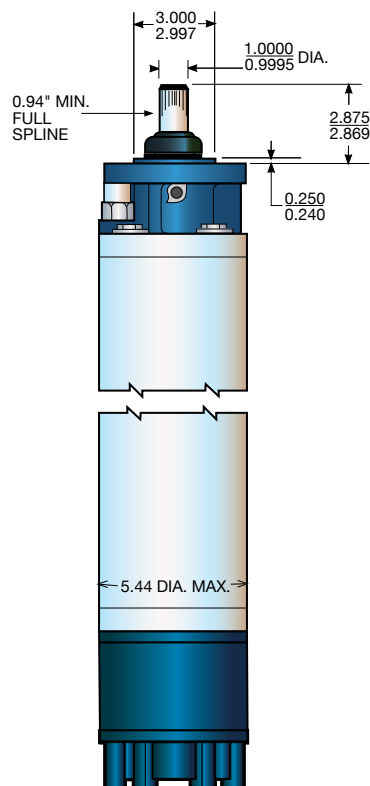


Availability

Three-Phase, 60 Hz - 3450 rpm, 50 Hz - 2875 rpm

HP	KW	DOWNWARD THRUST @ 30 °C	VOLTS	HZ	SERVICE FACTOR
50	37	6000 lbs. 27500 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
60	45	6000 lbs. 27500 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15

Note: For 50 & 60 hp Model Numbers See Hi-Temp 50C Catalog Page



Construction Materials

Hi-Temp 50C Components	Water Well	Stainless Steel
1. Castings	Gray Iron	316 SS
2. Stator Shell	301 SS	316 SS
3. Stator Ends	Low Carbon Steel	316 SS
4. Shaft Extension	17-4 SS	17-4 SS
5. Fasteners	300 & 400 Series SS	316 SS
6. Seal Cover	304 SS & Sintered Bronze	316 SS
7. Seal	Sand Fighter™ Sealing System	Sand Fighter™ Sealing System
8. Diaphragm	Viton Rubber	Viton Rubber
9. Diaphragm Plate	304 SS	316 SS
10. Diaphragm Spring	302 SS	17-7 SST
11. Slinger	Viton Rubber	Viton Rubber
12. Lead Wire (or Cable)	XLPE	XLPE
13. Lead Potting	Epoxy	Epoxy
14. Pipe Plug	316 SS	316 SS

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



Franklin Electric

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