



## YOUR NEW 6" SOLUTION



**MADE IN THE U.S.A.**

## 6" 50 & 60 HP HI-TEMP 50C SUBMERSIBLE MOTORS FOR DEMANDING WATER WELL APPLICATIONS

50 & 60 horsepower three-phase

### APPLICATION DATA

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 and new water soluble coolant to allow continuous operation in water temperatures of up to 50°C (provided minimum allowable rates of flow past the motor are maintained). In addition, this design is capable of handling thrust loads 25% higher than a standard motor without using oil.

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

### BASIC FEATURES

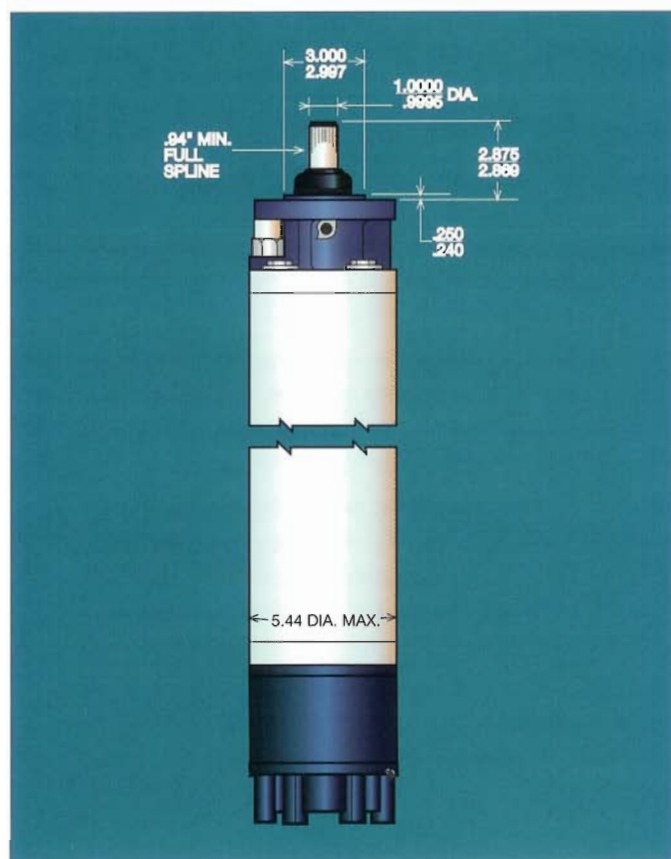
- Up to 122°F (50°C) ambient temperature.  
(The "50C" in the name designates a max ambient temperature)
- 100% increase in upthrust capability at 30°C
- 25% increase in downthrust capability at 30°C
- Wet Well, Reservoir, Low Flow approved in 12" diameter or larger wells with ambient water up to 87°F (30°C)
- Hermetically sealed stator
- Innovative high temperature winding encapsulation system
- FES92 Exclusive water soluble, high temperature 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 60Hz design point for superior pump performance
- SAND FIGHTER™ Sealing System
- Franklin Electric's exclusive Water-Bloc™ lead connection
- 316 SS and Y-Δ consult factory
- Extended warranty available when used with FE Submonitor overload protection



**Franklin Electric**

# 6" Hi-temp 50C Submersible Motors

## DIMENSIONS



50 & 60 Hp are available in Hi-Temp 50C Design

## AVAILABILITY

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

HP	KW	DOWNWARD THRUST @ 30°C	VOLTS	HZ	SERVICE FACTOR
50	37	7500 lbs. 33000 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
60	45	7500 lbs. 33000 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15

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

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



**Franklin Electric**

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