



## 8" HI-TEMP 75C SUBMERSIBLE MOTORS FOR DEMANDING APPLICATIONS

40 through 150 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 75C 8" motor utilizes a new, premium encapsulation process and new water soluble coolant to allow continuous operation in water temperatures of up to 75°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 75C is the right choice for your demanding, high temperature well applications.

### BASIC FEATURES

- Up to 167°F (75°C) ambient temperature.
- 25% increase in upthrust capability at 30°C
- 25% increase in downthrust capability at 30°C
- Wet Well, Reservoir, Low Flow approved in 14" diameter or larger wells with ambient water up to 87°F (30°C)
- High temperature leads
- Hermetically sealed stator
- Innovative high temperature winding encapsulation system
- FE 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 3525 RPM 60Hz design point for superior pump performance
- SAND FIGHTER™ Sealing System
- Franklin Electric's exclusive Water-Bloc™ lead connection
- 316 SS, Y-Δ and non-vertical designs available - consult factory

## YOUR NEW 8" SOLUTION



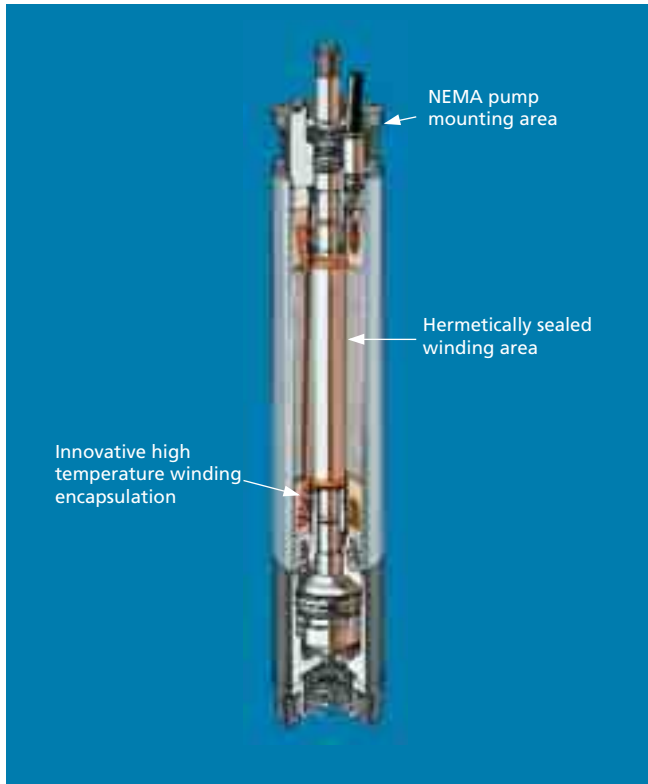
MADE IN THE U.S.A.



**Franklin Electric**

# 8" Hi-Temp 75C Submersible Motors

## AVAILABILITY



Three-Phase, 60 Hz - 3525 RPM, 50 Hz - 2900 RPM

HP	KW	DOWNWARD THRUST @ 30°C	VOLTS	HZ	SERVICE FACTOR
40	30	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
50	37	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
60	45	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
75	55	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
100	75	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
125	93	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15
150	110	12,500 LBS. 55,600 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15

## CONSTRUCTION MATERIALS

Hi-Temp 75C Components	Water Well	Stainless Steel
1. Castings	Gray Iron	316 SS
2. Stator Shell	304 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	Viton
9. Diaphragm Plate	304 SS	316 SS
10. Diaphragm Spring	302 SS	316 SS & 25-6 MO SS
11. Slinger	Viton	Viton
12. Lead Wire ( or Cable )	XLPO	XLPO
13. Lead Potting	Epoxy	Epoxy
14. Pipe Plug	316 SS	316 SS
15. Thrust Bearing	Carbon	Carbon

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



### Franklin Electric

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