



Your new 6" solution

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.

6" Hi-Temp 90C Submersible Motors for demanding applications

3.7 through 30 Kilowatt, 3-phase

APPLICATIONS

The Hi-Temp 90C 6" motor utilizes a new, premium encapsulation process and new water soluble coolant to allow continuous operation in water temperatures of up to 90°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 90C is the right choice for your demanding, high temperature well applications.

FEATURES

- Up to 90°C (194°F) 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 305mm (12") diameter or larger wells with ambient water up to 30°C (87°F)
- 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
- SAND FIGHTER™ Sealing System
- Franklin Electric's exclusive Water-Bloc™ lead connection
- Wye/Star Delta – consult factory

SPECIAL FEATURES

- 316 Stainless Steel: Special construction option for acid, low pH, and seawater applications. All 316 SS motors include a Subtrol-Plus heat sensor.
- 3-lead & 6-lead (Wye-Delta) configurations for 3-phase

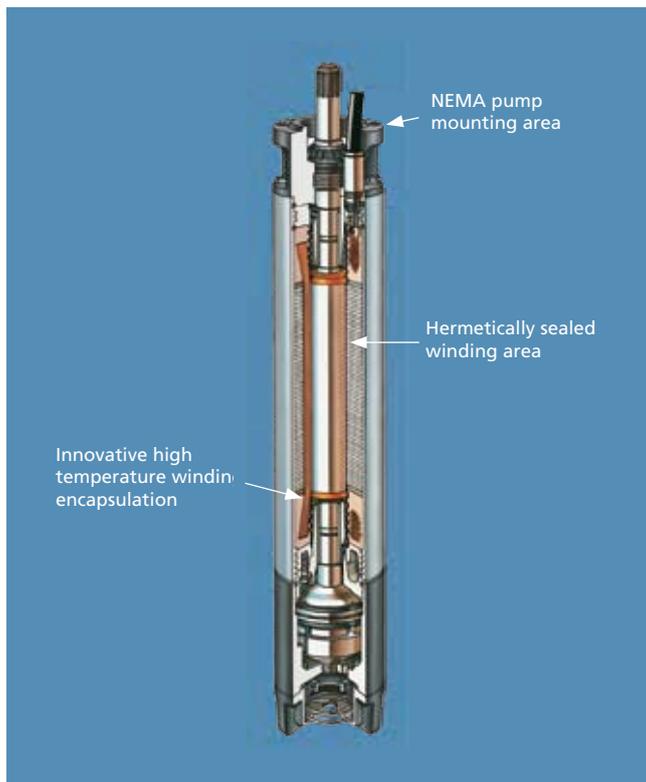


6" Hi-Temp 90C Submersible Motors

AVAILABILITY

3-phase, 60Hz - 3450 RPM, 50Hz - 2875 RPM

HP	kW	Downward Thrust @ 30°C	Volts	Hz	Service Factor
5	3.7	4500 lbs. 20000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
7.5	5.5	4500 lbs. 20000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
10	7.5	4500 lbs. 20000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
15	11	4500 lbs. 20000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
20	15	4500 lbs. 20000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
25	18.5	7500 lbs. 33000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
30	22	7500 lbs. 33000 N	200	60	1.15
			230	60	1.15
			380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15
40	30	7500 lbs. 33000 N	380	60	1.15
			460/380-415	60/50	1.15/1.0
			575	60	1.15



CONSTRUCTION MATERIALS

Hi-Temp 90C Components	Water Well	Stainless Steel (316 SS)
1. Castings	Gray Iron	316 SS
2. Stator Shell	301 SS	316 SS
3. Stator Ends	Low Carbon Steel	316 SS
4. Shaft Extension	303 SS, Except 17-4S.S. On 25-40hp	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	17-7 SST
11. Slinger	Viton	Viton
12. Lead Wire (or Cable)	XLPO	XLPO
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.



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