

6" DR56 SUBMERSIBLE MOTORS

Motors
Drives
Controls
Protection
Accessories

Dual rated for 37 & 45 kW, three-phase

Pumping applications are rapidly changing – and Franklin's DR56 motor was designed and built in response to many requests for a motor that can operate effectively under these evolving application demands.

The DR56 6" motor utilizes our 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 DR56 is the right choice for your demanding, high temperature 6" well applications.

Basic Features:

- Up to 50 °C (122 °F) ambient temperature
- Hermetically sealed stator
- Innovative high temperature winding encapsulation system
- 45,000N (10,000 lb) KINGSBURY-type thrust bearing
- 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
- Subtrol heat sensor standard
- Franklin Electric's exclusive Water-Bloc™ lead connection
- 316 SS and Y-Δ designs are available, consult factory
- Extended warranty available with FE SubMonitor overload protection

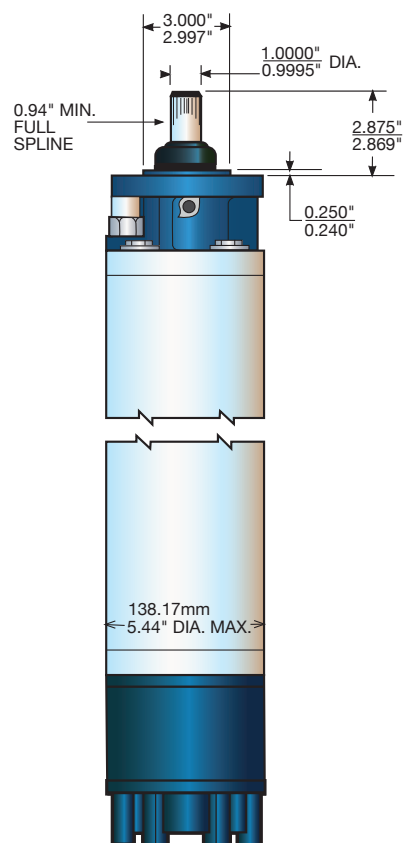


Availability

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

HP	KW	DOWNWARD THRUST	VOLTS	HZ	SERVICE FACTOR
50 & 60	37 & 45	10000 lbs. 45000 N	380	60	1.15
			460/380	60/50	1.15/1.0
			575	60	1.15

Note: For model numbers see DR56 catalog page.



Construction Material

DR56	Sand Fighter	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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