



6" DR56 SUBMERSIBLE MOTORS

DUAL-RATED 50 & 60 HP, THREE-PHASE

APPLICATIONS

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 6" DR56 motor utilizes a premium encapsulation process to allow for 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 demanding, high-temperature, 6" well applications.

FEATURES

- Up to 50 °C (122 °F) ambient temperature
- Hermetically-sealed stator
- Innovative, high-temperature winding encapsulation system
- Kingsbury-type (10,000 lbs) thrust bearing
- FES91 exclusive water-soluble bearing lubrication
- Double-flange NEMA mounting for ease of handling and pump mounting
- Splined stainless steel shaft for maximum shaft/coupling contact
- Full 60 Hz 3,450 rpm design point for superior pump performance
- Sand Fighter™ sealing system
- Subtrol™ heat sensor standard
- Franklin Electric's exclusive "Water-Bloc™" lead connection
- 316 stainless steel and Y-△ designs available (consult factory for more details)

WARNING: Serious or fatal electrical shock or fire hazard may result from failure to follow the instructions for proper installation and use which accompany this equipment. Do not use motor in swimming areas.



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SPECIFICATIONS

HP	kW	Phase	Description	Volts	HZ	Downward Thrust	Service Factor
50 / 60	37 / 45	3	50 Hz - 2,875 rpm; 60 Hz - 3,450 rpm	380	60	10000 lbs (45000 N)	1.15
				460/380	60/50		1.15/1.0
				575	60		1.15

NOTE: For model numbers, see DR56 catalog page.

CONSTRUCTION MATERIALS

Components	Stainless Steel
1 Castings	316 stainless steel
2 Stator Shell	316 stainless steel
3 Stator Ends	316 stainless steel
4 Shaft Extension	17-4 stainless steel
5 Fasteners	316 stainless steel
6 Seal Cover	316 stainless steel
7 Seal	Sand Fighter™ Sealing System
8 Diaphragm	FKM
9 Diaphragm Plate	316 stainless steel
10 Diaphragm Spring	17-7 stainless steel
11 Slinger	FKM
12 Lead Wire (or Cable)	XLPE
13 Lead Potting	Epoxy
14 Pipe Plug	316 stainless steel

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

