



## 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 Wye-Delta designs available (consult factory for more details)



# 6" DR56 SUBMERSIBLE MOTORS

## 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		Water Well	Stainless Steel
1	Castings	Gray iron	316 stainless steel
2	Stator Shell	300 stainless steel	316 stainless steel
3	Stator Ends	Low-carbon steel	316 stainless steel
4	Shaft Extension	17-4 stainless steel	17-4 stainless steel
5	Fasteners	300 & 400 Series stainless steel	316 stainless steel
6	Seal Cover	304 stainless steel / sintered bronze	316 stainless steel
7	Seal	Sand Fighter™ sealing system	Sand Fighter™ Sealing System
8	Diaphragm	FKM	FKM
9	Diaphragm Plate	304 stainless steel	316 stainless steel
10	Diaphragm Spring	302 stainless steel	17-7 stainless steel
11	Slinger	FKM	FKM
12	Lead Wire (or Cable)	XLPE	XLPE
13	Lead Potting	Epoxy	Epoxy
14	Pipe Plug	316 stainless steel	316 stainless steel

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

