



Franklin's exclusive SubMonitor™ Overload Protection Option extends motor warranty to 3 years*

This contractor friendly premium motor protection system protects the motor against overload, underload, overheating and rapid cycling.

* Contact Franklin Electric for warranty details

6" SAND FIGHTER™ Submersible Motors for sandy wells

3.7 through 45 Kilowatt, 3-phase
380-415 Volts; 50 Hertz

APPLICATIONS

SAND FIGHTER™ motors are built for superior dependability in sandy well applications.

This innovative sealing system utilizes an optimized mechanical seal with silicon-carbide faces in combination with numerous specially developed manufacturing processes.

FEATURES

- Exclusive SAND FIGHTER™ sealing system
- Maximum temperature winding wire NEMA Class 200
- Anti-tracking, self-healing surge resistant resin system
- Hermetically-sealed electrical windings for maximum life
- Field replaceable lead with the Franklin Electric Water-Bloc™
- Double flange design for ease of pump mounting
- Stainless steel shell for corrosion resistance
- Cast iron end frames with epoxy coating for durability
- Stainless steel splined shaft for maximum shaft/coupling contact
- Kingsbury-type steel/carbon thrust bearing – the best for water lubricated motors

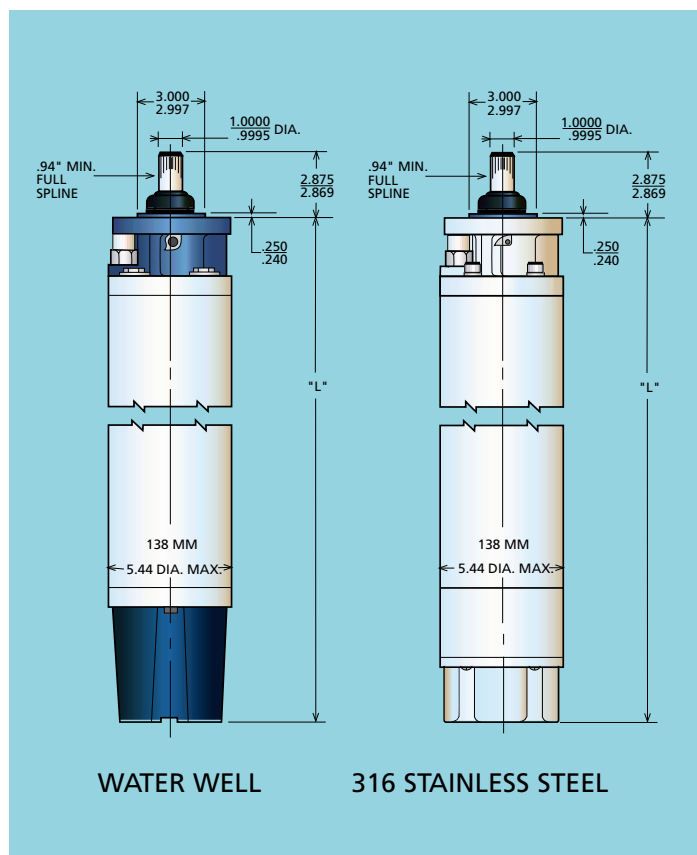
SPECIAL FEATURES

- 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" SAND FIGHTER™ Submersible Motors

DIMENSIONS



AVAILABILITY

HP	kW	Water Well "L" DIM		316 SS "L" DIM		316 SS Shipping Weight
		ins	cm	ins	cm	Kgs
5	3.7	22.9	58.1	22.5	57.1	47
7.5	5.5	24.2	61.4	23.8	60.4	50
10	7.5	25.4	64.6	25.0	63.6	54
15	11.0	28.0	71.1	27.6	70.1	60
20	15.0	30.6	77.6	30.2	76.6	67
25	18.5	33.1	84.2	32.7	83.1	72
30	22.0	35.7	90.7	35.3	89.6	80
40	30.0	40.8	103.7	40.4	102.6	94
50	37.0	55.3	140.5	55.7	141.5	138
60	45.0	61.3	155.7	61.7	156.8	152

60 Hz - Nominal 3,450 RPM
50 Hz - Nominal 2,875 RPM



CONSTRUCTION MATERIALS

Component	Environment Type	
	SAND FIGHTER™ Water Well	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 17-4 SS On 40-60hp	17-4 SS
5. Fasteners	300 & 400 Series SS	316 SS
6. Seal Cover	304 SS & Sintered Bronze	316 SS
7. Seal	SAND FIGHTER™ Seal System	SAND FIGHTER™ Seal System
8. Diaphragm	Nitrile Rubber	Nitrile Rubber
9. Diaphragm Plate	304 SS	316 SS
10. Diaphragm Spring	302 SS	17-7 SS
11. Slinger	Nitrile Rubber	Type 100 Hydrin
12. Lead Wire (or Cable)	Hypalon 75°C	Hypalon 75°C
13. Lead Potting	Epoxy	Epoxy
14. Filter	Delrin & Polyester	316 SS Plug
15. Insulation	Class F	Class F

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



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