



6-INCH

6

WATER-FILLED REWINDABLE MOTORS
TOTALLY ENCAPSULATED MOTORS

6" MOTORS

5.5HP through 60HP THREE PHASE 2 Pole-3600RPM, Nominal at 60Hz

OVERVIEW

- Asynchronous 6" Electric Motor with Squirrel Cage Rotor
- Ideal for use in Clear Water or Water with Limited Sand Content
- Municipal, Industrial & Agricultural Applications
- High Quality Castings and Components

ADVANTAGES & BENEFITS

- Inverter Duty Rated (Variable Speed Drives)
- Availability in various HP, Voltage, Frequency, Temperature and Construction Configurations
- Mechanical Seal Protection against Sand & Debris
- One Year Standard Product Warranty
- High Tolerance 6" NEMA Mounting Flanges
- 17-4PH Shaft Ends (40HP & Above)
- Cast Iron End Bells (optional Stainless Steel)
- Rotor Copper Bar Construction
- Copper Windings 86° F (30° C)
- 10' Power Cable
- Ceramic Carbide Mechanical Seal, IP 68 Protection
- Stainless Steel AISI 304 Casing
- Kingsbury Thrust Bearing

OPTIONS

- SS304, SS316, Bronze
- High Temperature Windings 122° F (50° C)
- Wye-Delta (6 Lead) Configuration
- PT 100 Thermal Sensor
- 50HZ or 60HZ
- Shaft Stick up Available in other SS Alloys
- Other Voltages Available



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6" MOTORS

5.5HP through 60HP THREE PHASE 2 Pole-3600RPM, Nominal at 60Hz

STANDARD SPECIFICATIONS:

MOUNTING: NEMA MG 1-18/413

17-4PH Shaft End on 40HP & Above

VOLTAGE: +/- 10% Variation from Rated

ROTATION: Clockwise or Counter Clockwise

THRUST BEARING: Self-Aligning Kingsbury-type NEMA MG1 18.411

TEMPERATURE: 86° F (30° C)

MOTOR LEAD: 10' Length

COOLING: IC 40, 1 ft./second Flow Rate

SERVICE FACTOR: 60Hz=1.15

PROTECTION: IP68

STARTS PER HOUR: 15

STARTING: VFD Rated

MOTOR DIAMETER: 5.59" (142 mm)

6" THREE PHASE 60 Hz MOTOR CHARACTERISTICS*

Power HP / kW		V	F.L. Amps	F.L. RPM	F.L. Eff. (%)	F.L. Pwr. Factor	Thrust (lbs.)	L. (in.)	Weight (lbs.)
5.5	4	460	8.4	3350	70	0.85	4500	25.55	97.00
7.5	5.5	460	11.3	3360	72	0.85	4500	26.69	103.62
10	7.5	460	14.2	3380	78	0.85	4500	29.84	116.84
15	11	460	19.6	3400	81	0.87	4500	33.50	134.48
20	15	460	27.3	3440	80	0.86	4500	38.31	158.73
25	19	460	34.5	3450	80	0.84	4500	39.61	176.37
30	22	460	40.1	3460	81	0.85	4500	43.54	189.6
40	30	460	53.4	3480	82	0.86	6000	49.09	229.28
50	37	460	66.6	3490	81	0.86	6000	53.03	244.71
60	45	460	83.7	3490	82	0.81	6000	53.03	250.70