

SLIM 8" MOTORS

30HP through 75HP THREE PHASE 2 Pole-3600RPM, Nominal at 60Hz

OVERVIEW

- Asynchronous 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)
- Ideal for Restricted Well Conditions
- 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 Standard Mounting Flanges
- 17-4PH Shaft Ends (40HP & Above)
- Cast Iron End Bells (optional Stainless Steel)
- Rotor of 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
- Horizontal Configuration
- PT 100 Thermal Sensor
- 50HZ or 60HZ
- Shaft Stick up Available in other SS Alloys
- Other Voltages Available



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STANDARD SPECIFICATIONS:

MOUNTING: NEMA 6, 17-4PH Shaft Ends (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: 17

STARTING: VFD Rated

MOTOR DIAMETER: 6.8" (172 mm)

SLIM 8" 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.)
30	22	460	38	3480	83	0.87	10000	35.04	231.49
40	30	460	52	3480	84	0.87	10000	38.58	257.94
50	37	460	61	3480	85	0.89	10000	41.73	279.99
60	45	460	75	3470	85	0.89	10000	44.84	313.06
75	52	460	87	3460	85	0.88	10000	49.21	352.74