

## 8" MOTORS

**40HP through 125HP    THREE PHASE    2 Pole-3600RPM, Nominal at 60Hz**

### OVERVIEW

- Asynchronous 8" 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 8" NEMA Standard 420SS Single
- 17-4PH Shaft Ends
- 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
- Horizontal Configuration
- PT 100 Thermal Sensor
- 50HZ or 60HZ
- Shaft Stick up Available in other SS Alloys
- Other Voltages Available





# KARLINGTON

8-INCH

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**WATER-FILLED REWINDABLE MOTORS**

## 8" MOTORS

**40HP through 125HP    THREE PHASE    2 Pole-3600RPM, Nominal at 60Hz**

### **STANDARD SPECIFICATIONS:**

**MOUNTING:** NEMA MG 1-18/413  
17-4PH Shaft Ends

**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:** 10

**STARTING:** VFD Rated

**MOTOR DIAMETER:** 7.56" (192 mm)

**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.)
40	30	460	51	3450	82	0.90	10000	41.57	279.99
50	37	460	61	3460	84	0.90	10000	43.94	293.21
60	45	460	75	3460	84	0.90	10000	47.28	308.65
75	55	460	90	3450	84	0.91	10000	50.63	335.10
100	75	460	123	3450	84	0.91	10000	54.76	418.88
125	92	460	153	3430	84	0.90	12300	60.47	458.56



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