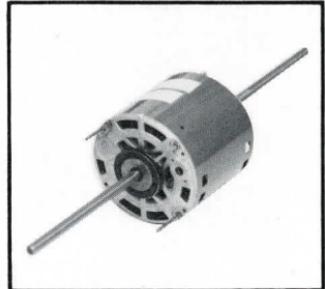
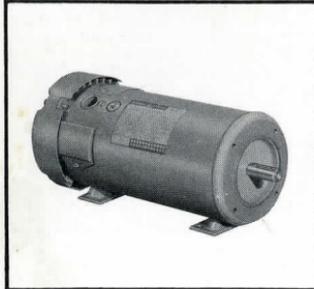
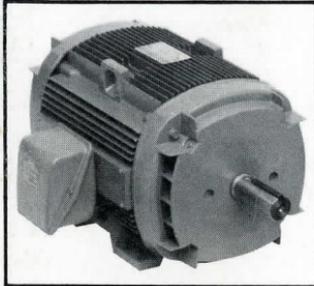




# FIVE-STAR MOTOR CATALOG

1/80 to 250 HP AC & DC

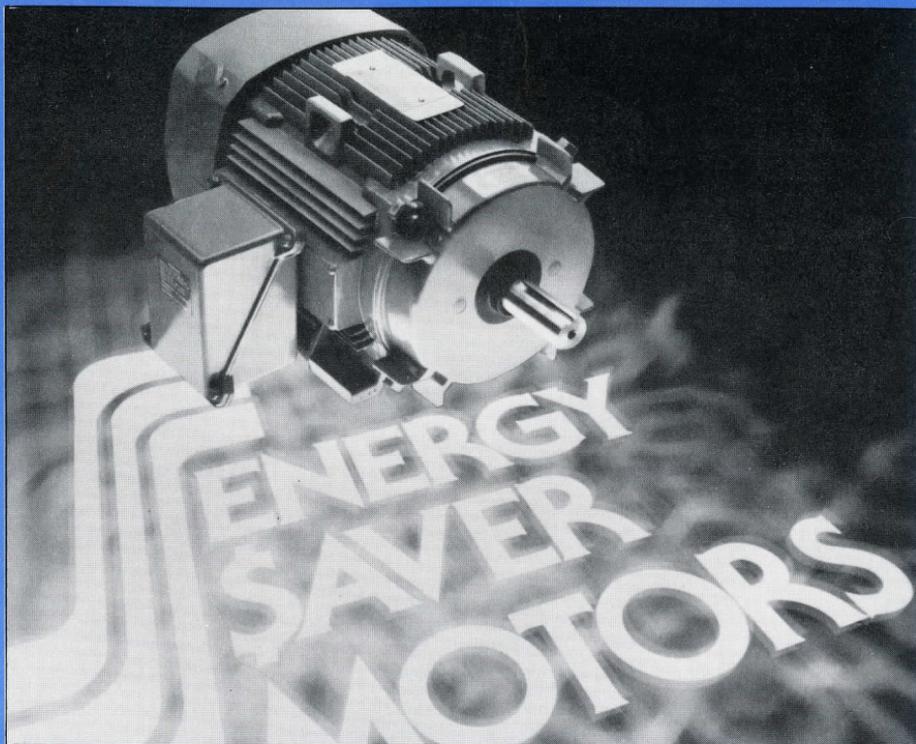
FEATURING ENERGY SAVER™ MOTORS



GENERAL  ELECTRIC

**KJDE CORP.**  
Diehl Syracuse  
4413 James Street  
E. Syracuse, NY 13057

# ENERGY \$AVER™ MOTORS



**USES** — Capitalize on the dollar-saving designed into this motor line. Offering exceptionally efficient service, this broad family of single-phase and three-phase Energy Saver™ motors suit most all moderate or hard-starting jobs. This line of energy-saving motors can be used on a wide range of applications — from fans, blowers and pumps to conveyors, compressors and industrial machinery.

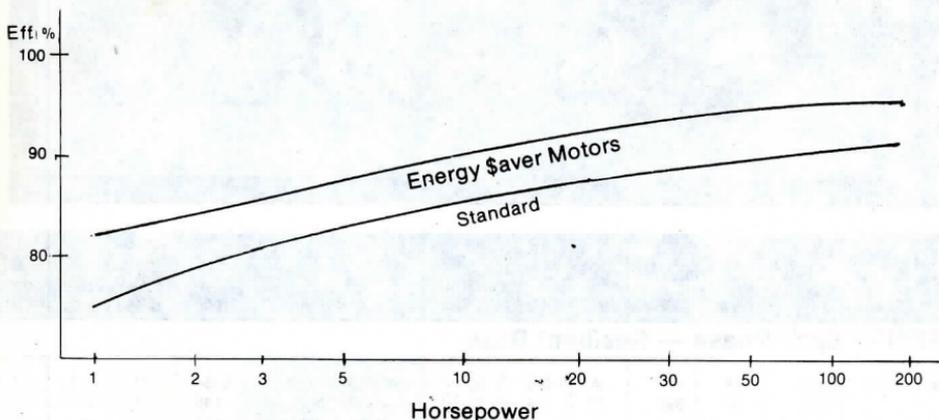
Compared to motors of otherwise equal ratings, General Electric Energy Saver motors have greater efficiency and power factor ratings and cost less to operate. This means they give superior performance and save you money.

Take a good hard look at the General Electric Energy Saver motor and you'll see why they deliver superior energy-efficient performance. Start with their design. The fact is, GE Energy Saver motors have more energy-saving, cost-saving materials. Some examples: thinner steel laminations in the stator and rotor core, more and better grades of steel, more copper in the stator and smaller, more efficient fans. Consider, too, they have what we believe are

the highest efficiency ratings of any motor line available. Since just 1/10 of a point of efficiency improvement can yield thousands of dollars in savings on a plant-wide basis, you can imagine how quickly GE motors pay off. GE uses the new comprehensive, more accurate NEMA standard — IEEE-112, Test Method B — to test its motors' efficiency. Result: you have a truer, more precise picture of the actual savings you'll get.

GE is the only motor manufacturer whose warranty includes the option of giving you money back for your efficiency losses. If any new NEMA 143T frame or larger motor in industrial use fails to meet the minimum guaranteed efficiency value stamped on the motor nameplate within one year from the date of shipment, GE will repair or replace the defective part. Or reimburse you, by an agreed equitable assessed evaluation credit, for the difference in losses between the actual tested efficiency and the minimum guaranteed efficiency. That's how confident GE is that these motors are energy-efficient and better able to keep your operation more productive.

## Efficiency Comparison Standard vs. Energy Saver™ Motors



The efficiency curves above graphically show the typical efficiencies of both the standard and Energy Saver motor designs. High efficiency motors use less electric power. You get the same horsepower output of a conventional design but with lower operating costs because of less wasted power. Energy Saver motors run cooler because of lower electrical losses thus providing longer insulation life resulting in longer motor life.

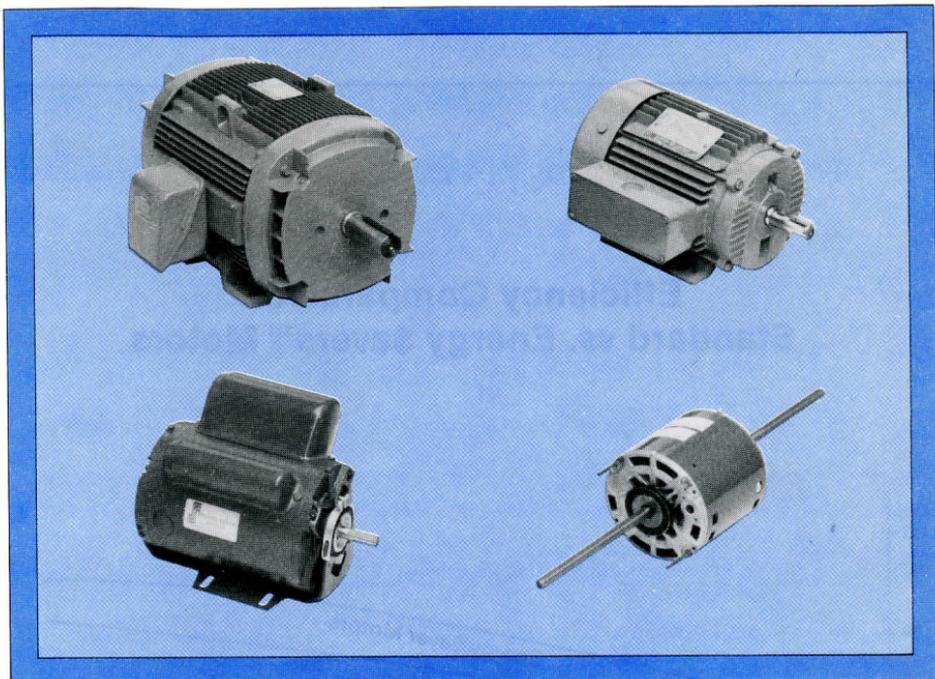
To obtain a clear picture of your potential savings with Energy Saver motors, a computerized motor

efficiency analysis can be customized to your plant's operating procedures. Factoring in all key variables affecting motor efficiency and profitability, the analysis shows real savings such as annual savings, life cycle costs, after-tax cash flow and internal rate of return.

GE Energy Saver motors can help you cut spiraling energy costs, save you money and provide superior long-life performance.

# ENERGY SAVER™ MOTORS

## SINGLE PHASE — OPEN — NEMA SF



HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### OPEN — Split-Phase — Resilient Base

1/4	1725	115	48	Slv.	A	3.9	4790	5KHC3UEA0517T	\$134	15	9.35	(B)
		115	48	Ball	N	3.4	E14D2	5KHC37HN6	146	16	10.40	
1/3	1725	115	48	Slv.	A	4.5	4791	5KHC3UHA0518T	156	17	9.35	(B) (A) (B)
		115	48	Ball	N	4.2	E13D2	5KHC37MN7	168	18	10.40	
		115	56Z	Slv.	A	4.5	4794	5KHC3UHA0550T	161	17	9.35	
1/2	1725	115	56Z	Slv.	A	6.0	4795	5KHC3XQA0519T	218	22	9.95	(A) (B)
		115	56	Ball	N	5.8	E12D2	5KHC43MG5	230	28	10.88	
3/4	1725	115	56	Slv.	A	8.7	4797	5KHC3XPA0535T	283	23	10.33	

### OPEN — Capacitor-Start — Resilient Base

1/4	1725	115/230	48	Slv.	N	3.2	E14D3	5KCR37MN6	180	18	10.40	
1/3	1725	115/230	48	Slv.	N	4.2	E13D3	5KCR37NN7	216	19	10.40	
1/2	1725	115/230	56	Slv.	N	6.4	E12D3	5KCR43MG3	264	28	10.88	
3/4	1725	115/230	56	Slv.	N	8.8	E34D3	5KCR43NG4	329	30	10.88	
1	1725	115/230	56	Ball	N	11.0	E10D3	5KCR47RG8	374	34	11.88	

(A) 1/2" x 1-1/2" shaft with 5/8" shaft adapter.

(B) Extended thru-bolts.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

# ENERGY SAVER™ MOTORS

Three Phase — Open — NEMA SF  
Cast Aluminum Construction

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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## OPEN — Three-Phase — Solid Base

1/2	1725	230/460	56	Ball	1.7	E12D4	5K42JG5522	\$ 266	24	9.98	E
3/4	1725	230/460	56	Ball	2.4	E34D4	5K43MG5802	298	28	10.88	E
	1140	230/460	143T	Ball	2.8	E34D6	5KS143AL301	377	38	11.36	
1	1725	230/460	56	Ball	2.8	E10D4	5K48UG1169	305	41	12.69	E
		230/460	143T	Ball	2.9	E10D2	5KS143AL201	314	42	12.36	
	1140	230/460	145T	Ball	3.8	E10D6	5KS145AL301	406	41	12.36	
1½	3450	230/460	143T	Ball	4.0	E15D2	5KS143AL1	346	31	11.36	
	1725	230/460	145T	Ball	4.4	E15D4	5KS145AL201	348	44	12.36	
	1140	230/460	182T	Ball	4.6	E15D6	5KS182AL301	434	67	13.58	
2	3450	230/460	145T	Ball	5.4	E20D2	5KS145AL1	406	35	12.36	
	1725	230/460	145T	Ball	5.6	E20D4	5KS145AL202	382	44	12.36	
	1140	230/460	184T	Ball	6.2	E20D6	5KS184AL301	468	76	14.58	
3	3450	230/460	145T	Ball	7.4	E30D2	5KS145AL2	446	39	12.36	
	1725	230/460	182T	Ball	8.0	E30D4	5KS182AL201	430	71	13.58	F
5	3450	230/460	182T	Ball	12.2	E50D2	5KS182AL1	509	72	13.58	F
	1725	230/460	184T	Ball	13.0	E50D4	5KS184AL201	478	76	14.58	F
7½	3450	230/460	184T	Ball	17.6	E75D2	5KS184AL1	638	80	14.58	
	1750	230/460	213T	Ball	9.0	E930	5KS213AL205	538	106	17.31	Z λ
10	1750	230/460	215T	Ball	12.0	E931	5KS215AL205	650	119	17.31	Z λ
15	1750	230/460	254T	Ball	18.3	E932	5KS254AL205	864	180	22.31	Z λ
20	1750	230/460	256T	Ball	23.6	E933	5KS256AL205	1055	193	22.31	Z λ
25	1750	230/460	284T	Ball	28.7	E934	5KS284AL205	1226	266	24.94	Z λ
30	1750	230/460	286T	Ball	34.5	E935	5KS286AL205	1425	299	24.94	Z λ
40	1750	230/460	324T	Ball	45.5	E936	5KS324AL205	1772	354	27.56	Z λ
50	1750	230/460	326T	Ball	57.5	E937	5KS326AL205	2066	402	27.56	Z λ
60	1750	230/460	364T	Ball	74.9	E9381	5KS364AL205	2532	470	29.69	Z λ
75	1750	230/460	365T	Ball	90.0	E9391	5KS365AL205	3084	470	29.69	Z λ
100	1750	230/460	404T	Ball	122.0	E9401	5KS404AL205	3933	730	34.06	Z λ
125	1750	460	405T	Ball	148.0	E941	5KS405AL208	4709	730	34.06	Z λ
150	1750	460	444T	Ball	179.0	E942	5KS444AL208	6801	1010	39.81	Z λ
200	1750	460	445T	Ball	234.0	E943	5KS445AL208	8592	1010	39.81	Z λ

λ Full-load amps @460V.

Z GO-7SES Multiplier

E Rolled steel construction with welded base.

F Exceeds NEMA Design B locked rotor amps.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113



# ENERGY SAVER™ MOTORS

Three-Phase — TEFC — 1.15 SF

Cast Aluminum Construction

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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## TEFC — Three Phase — Solid Base

3/4	1140	230/460	143T	Ball	2.8	E34F6	5KS143BL304	\$406	38	11.94	
1	1725	230/460	56	Ball	2.8	E10F1	5K47UG1658	334	41	12.60	E φ
		230/460	143T	Ball	2.9	E10F2	5KS143BL204	343	42	12.94	
	1140	230/460	145T	Ball	3.8	E10F6	5KS145BL304	434	41	12.94	
1½	3450	230/460	143T	Ball	4.0	E15F2	5KS143BL4	374	31	11.94	
	1725	230/460	145T	Ball	4.4	E15F1	5KS145BL207	377	44	12.94	
	1140	230/460	182T	Ball	4.6	E15F6	5KS182BL304	506	67	14.56	
2	3450	230/460	145T	Ball	5.4	E20F2	5KS145BL7	434	35	12.94	
	1725	230/460	145T	Ball	5.6	E20F1	5KS145BL208	410	44	12.94	
	1140	230/460	184T	Ball	6.2	E20F6	5KS184BL304	540	76	14.56	
3	3450	230/460	182T	Ball	7.4	E30F2	5KS182BL4	542	67	14.56	
	1725	230/460	182T	Ball	8.0	E30F1	5KS182BL204	502	71	14.56	F
5	3450	230/460	184T	Ball	11.6	E50F2	5KS184BL4	581	81	15.56	
	1725	230/460	184T	Ball	13.0	E50F1	5KS184BL204	550	76	15.56	F
7½	1750	230/460	213T	Ball	9.0	E960	5KS213BL205	647	127	19.88	☑ λ
10	1750	230/460	215T	Ball	12.0	E961	5KS215BL205	780	140	19.88	☑ λ
15	1750	230/460	254T	Ball	18.3	E962	5KS254BL205	1042	207	25.31	☑ λ
20	1750	230/460	256T	Ball	23.6	E963	5KS256BL205	1268	212	25.31	☑ λ
25	1750	230/460	284T	Ball	28.7	E964	5KS284BL205	1542	288	28.31	☑ λ
30	1750	230/460	286T	Ball	35.4	E965	5KS286BL205	1824	346	28.31	☑ λ
40	1750	230/460	324T	Ball	45.5	E966	5KS324BL205	2340	451	31.75	☑ λ
50	1750	230/460	326T	Ball	57.5	E967	5KS326BL205	2881	481	31.75	☑ λ
60	1750	230/460	364T	Ball	68.3	E968	5KS364BL205	4284	480	33.94	☑ λ
75	1750	230/460	365T	Ball	85.7	E969	5KS365BL205	5520	480	33.94	☑ λ
100	1750	230/460	405T	Ball	108.9	E970	5KS405BL205	6775	750	38.81	☑ λ
125	1750	460	444T	Ball	136.6	E971	5KS444BL208	9531	1030	44.94	☑ λ
150	1750	460	445T	Ball	165.2	E972	5KS445BL208	11123	1030	44.94	☑ λ

φ 1.0 Service factor.

λ Full-load amps @460V.

☑ GO-TSE Multiplier

E Rolled steel construction with welded base.

F Exceeds NEMA Design B locked rotor amps.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113

# ENERGY SAVER™ MOTORS

Three-Phase — Severe Duty — 1.15 SF  $\Delta$   
Cast Aluminum Construction

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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## Severe Duty — Three Phase — Solid Base

3/4	1140	230/460	143T	Ball	2.8	E34S6	5KS143BS301	\$494	41	11.94	
1	1725	230/460	143T	Ball	2.9	E10S1	5KS143BS201	432	45	12.94	
	1140	230/460	145T	Ball	3.8	E10S6	5KS145BS301	523	44	12.94	
1½	3450	230/460	143T	Ball	4.0	E15S2	5KS143BS1	463	34	11.94	
	1725	230/460	145T	Ball	4.4	E15S1	5KS145BS201	466	47	12.94	
	1140	230/460	182T	Ball	4.6	E15S6	5KS182BS301	646	70	14.56	
2	3450	230/460	145T	Ball	5.4	E20S2	5KS145BS1	523	38	12.94	
	1725	230/460	145T	Ball	5.6	E20S1	5KS145BS202	499	47	12.94	
	1140	230/460	184T	Ball	6.2	E20S6	5KS184BS301	679	79	15.56	
3	3450	230/460	182T	Ball	7.4	E30S2	5KS182BS1	682	70	14.56	
	1725	230/460	182T	Ball	8.0	E30S1	5KS182BS201	641	74	14.56	F
5	3450	230/460	184T	Ball	11.6	E50S2	5KS184BS1	720	84	15.56	
	1725	230/460	184T	Ball	13.0	E50S1	5KS184BS201	689	79	15.56	F
7½	1750	460	213T	Ball	9.0	E901	5KS213SL208	776	127	19.88	G $\lambda$
10	1750	460	215T	Ball	12.0	E902	5KS215SL208	935	140	19.88	G $\lambda$
15	1750	460	254T	Ball	18.3	E903	5KS254SL208	1232	207	25.31	G $\lambda$
20	1750	460	256T	Ball	23.6	E904	5KS256SL208	1535	212	25.31	G $\lambda$
25	1750	460	284T	Ball	28.7	E905	5KS284SL208	1828	288	28.31	G $\lambda$
30	1750	460	286T	Ball	34.5	E906	5KS286SL208	2125	346	28.31	G $\lambda$
40	1750	460	324T	Ball	45.5	E907	5KS324SL208	2823	451	31.75	G $\lambda$
50	1750	460	326T	Ball	57.5	E908	5KS326SL208	3467	481	31.75	G $\lambda$
60	1750	460	364T	Ball	69.9	E909	5KS364SL208	4974	528	33.94	G $\lambda$
75	1750	460	365T	Ball	86.4	E910	5KS365SL208	6305	528	33.94	G $\lambda$
100	1750	460	405T	Ball	115.0	E911	5KS405SL208	7790	825	38.81	G $\lambda$
125	1750	460	444T	Ball	136.6	E912	5KS444SL208	10255	1030	44.94	G $\lambda$
150	1750	460	445T	Ball	165.2	E913	5KS445SL208	11922	1030	44.94	G $\lambda$

$\lambda$  Full-load amps @460V

G GO-7XSD Multiplier

F Exceeds NEMA Design B locked rotor amps.

$\Delta$  Suitable for 40°C ambient 1.15 SF or 65°C ambient 1.0 SF.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE SINGLE AND DOUBLE SHAFT FAN AND BLOWER MOTORS

### 5" and 5-1/2" Diameter — Permanent Split Capacitor, Type KCP — Single and Three Speed — Reversible — Standard and High Voltage

**USES** — General Electric's new line of Energy Saver replacement motors has been specifically designed for heating, ventilating, and air conditioning equipment. This new line will meet your needs for room or central air conditioners, outdoor condenser fans, heat pumps, furnace fans, or any other direct-drive fan and blower applications.

General Electric has redesigned all the standard permanent split capacitor models into Energy Saver motors and eliminated the old Energy Saver motor line. The result is one new standard line of Energy Saver motors.

Now you can carry only one 5" and 5-1/2" diameter replacement line — high efficiency Energy Saver motors. These new motors are up to 15 percent more efficient than previous standard models and they offer the same full coverage at the same price.

When you sell a General Electric Energy Saver replacement motor to your customer, remember the message that's on the distinctive carton and label. It highlights the value of the service you're providing — energy savings. Use the chart below to show how Energy Saver motors can save money compared to standard replacement motors.

Energy Saver™ Motor	Power Cost/ KWH	Annual Savings*		
		Weekly Operating Hours		
		40	80	168
1/3 HP, 6 Pole	4¢	\$ 5	\$ 10	\$ 22
Energy Saver™ Permanent	6¢	8	15	33
Split Capacitor	8¢	10	21	43
Replaces	10¢	13	26	54
Standard Permanent				
Split Capacitor Motor				
1/4 HP, 6 Pole	4¢	\$22	\$ 44	\$ 93
Energy Saver™ Permanent	6¢	33	66	139
Split Capacitor	8¢	44	88	185
Replaces	10¢	55	110	232
Standard Shaded Pole Motor				

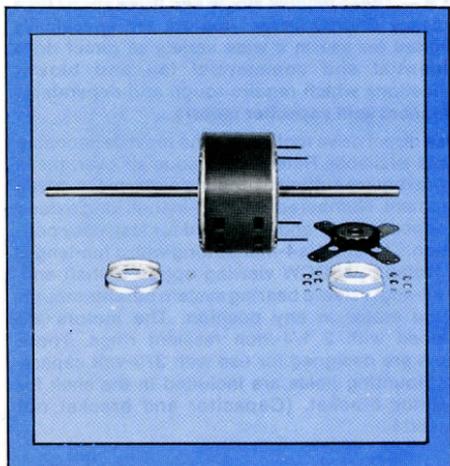
\* Based on estimated nominal fan loadings on high speed.

SAFETY PRECAUTIONS: See page 113

# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE DOUBLE SHAFT FAN AND BLOWER MOTORS

### 5 1/2-Inch Diameter — Permanent Split Capacitor, Type KCP — Three Speed — Open — Set Rotation



**USES** — These high efficiency Energy Saver™ motors have been designed for shaft-mounted fans and blowers in residential and commercial air conditioners, coolers, furnaces, unit heaters and many other similar applications.

These double shaft, direct-drive motors are the most dependable motors available. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Numbered 14-inch leads extend out shell for fast, easy connection. These motors include extended thru-bolts, and length adapter equipped with 2 1/4-inch resilient ring to duplicate the length of the motor being replaced. Split-rings for changing from 2 1/4-inch to 2 1/2-inch resilient rings are supplied in the kit. Rotation is counterclockwise, viewing lead end. The all-angle sleeve bearing system permits mounting the motor in any position. These motors are designed for use with 370-volt capacitors. Mounting holes are included in the shell for capacitor bracket. (Capacitor and bracket not included.)

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @115	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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### Three-Speed — Double Shaft — 60/50 Hertz

1/8	1075	115	Slv.	A	1.8	5	3641	5KCP39CG5824T	\$126	11	B2	
		208-230	Slv.	A	0.8	5	3642	5KCP39CG5825T	128	10	B2	②
1/6	1075	115	Slv.	A	2.4	5	3651	5KCP39DG5826T	130	12	B3	
		208-230	Slv.	A	1.0	5	3652	5KCP39CG5827T	132	11	B3	②
1/4	1625	208-230	Slv.	A	1.2	5	3872	5KCP39EG9049T	135	12	B5	②
		115	Slv.	A	3.7	5	3671	5KCP39GG5828T	138	13	B12	
		208-230	Slv.	A	1.7	5	3672	5KCP39FG5829T	140	12	B12	②
1/3	1625	115	Slv.	A	4.1	5	3881	5KCP39HG9050T	137	14	B1	
		208-230	Slv.	A	1.9	5	3882	5KCP39HG9051T	139	14	B1	②
		115	Slv.	A	5.1	5	3681	5KCP39LG5830T	146	16	B11	
		208-230	Slv.	A	2.5	5	3682	5KCP39JG5831T	148	15	B11	②
1/2	1625	115	Slv.	A	6.4	5	3891	5KCP39MG5312T	146	17	B6	
		208-230	Slv.	A	3.0	5	3892	5KCP39MG5313T	148	17	B6	②
		115	Slv.	A	7.3	10	3691	5KCP39PG5081T	161	19	B7	
		208-230	Slv.	A	3.5	7.5	3692	5KCP39NG5082T	163	19	B7	②
3/4	1625	208-230	Slv.	A	3.9	7.5	3898	5KCP39PGA853T	163	20	B8	②
		208-230	Slv.	A	5.0	7.5	3698	5KCP39PGA854T	187	19	B7	②H

② Full-load amps @230V.

H 60 Hertz.

ROTATION: CCW viewing lead end.

DIMENSIONS: See page 108

SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK

9

# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE SET ROTATION FAN & BLOWER MOTORS

5 1/2-Inch Diameter — Permanent Split Capacitor,  
Type KCP — Single & Three Speed — Open



**USES** — These reliable single and three speed high efficiency Energy Saver™ motors are specifically designed for use in a wide variety of direct drive residential and commercial fan and blower applications which require tough and dependable permanent split capacitor motors.

These direct drive motors are the most dependable motors available. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Numbered leads 12-inches long extend out opposite shaft end endshield for fast, easy connection. The shaft is 4-inches long with a full-length flat. Rotation is CCW viewing opposite shaft end. The all-angle sleeve bearing system permits mounting the motor in any position. The motors are equipped with 2 1/4-inch resilient rings. These motors are designed for use with 370-volt capacitors. Mounting holes are included in the shell for capacitor bracket. (Capacitor and bracket not included.)

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @115	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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### Single Speed — 2 1/4" Resilient Rings — 60/50 Hertz

1/6	1075	115	Slv.	A	2.3	5	3251	5KCP39DG3304T	\$97	9	E3	
		208-230	Slv.	A	0.9	5	3252	5KCP39CG3306T	99	9	E3	②
		208-230	Slv.	A	0.9	5	3254	5KCP39CG3307T	99	9	E3	② K
1/4	1625	115	Slv.	A	3.2	5	3471	5KCP39EG3332T	99	12	E7	
		208-230	Slv.	A	1.4	5	3472	5KCP39DG3334T	101	10	E7	②
	1075	115	Slv.	A	3.5	5	3271	5KCP39FG3312T	104	11	E5	
		208-230	Slv.	A	1.5	5	3272	5KCP39EG3314T	106	10	E5	②
1/3	1625	208-230	Slv.	A	1.5	5	3274	5KCP39EG3315T	106	10	E5	② K
		115	Slv.	A	4.7	5	3481	5KCP39GG3336T	104	12	E10	
		208-230	Slv.	A	2.2	5	3482	5KCP39GG3338T	106	12	E10	②
	1075	115	Slv.	A	5.0	5	3281	5KCP39KG3316T	112	14	E10	
		208-230	Slv.	A	2.4	5	3282	5KCP39JG3318T	114	13	E10	②
208-230	Slv.	A	2.4	5	3284	5KCP39JG3319T	114	13	E10	② K		
1/2	1075	208-230	Slv.	A	3.4	7.5	3292	5KCP39NGD123T	130	18	E13	②

### Three Speed — 2 1/2" Unbonded Rings — 60/50 Hertz

1/4	1075	115	Slv.	A	3.3	5	3976	5KCP39GG7914T	110	12	E4	
1/3	1075	115	Slv.	A	5.1	5	3981	5KCP39LG7552T	118	15	E9	
1/2	1075	115	Slv.	A	6.7	10	3991	5KCP39PG5076T	133	18	E11	

② Full-load amps @230V.

Ⓚ CW viewing opposite shaft end. Not reconnectable.

ROTATION: CCW viewing opposite shaft end. Not reconnectable.

DIMENSIONS: See page 110

SAFETY PRECAUTIONS: See page 113



# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE REVERSIBLE FAN & BLOWER MOTORS

5 1/2-Inch Diameter — Permanent Split Capacitor,  
Type KCP — Three Speed — Open



**USES** — These reliable three speed high efficiency Energy Saver™ motors are specifically designed for use in a wide variety of direct drive residential and commercial fan and blower applications which require tough and dependable permanent split capacitor motors.

These direct-drive motors are the most dependable motors available. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Color-coded leads 26-inches long extend out opposite shaft end endshield for fast, easy connection. The shaft is 4-inches long with a full length flat. Rotation is easily reversed. The all-angle sleeve bearing system permits mounting the motor in any position. The motors are equipped with 2 1/4-inch resilient rings with additional split rings included in the carton for 2 1/2-inch mounting. These motors are designed for use with 370-volt capacitors. Mounting holes are included in the shell for capacitor bracket. (Capacitor and bracket not included.)

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @115	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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### Three Speed — 2 1/4" Resilient Rings — 60/50 Hertz

1/4	1625	115	Siv.	A	2.7	10	3992	5KCP39FGE211T	\$113	11	E7	②
		208-230	Siv.	A	1.2	5	3993	5KCP39FGE212T	115	11	E7	②
	1075	115	Siv.	A	3.7	7.5	3983	5KCP39GG9708T	119	12	E10	Ⓜ
208-230		Siv.	A	1.7	5	3984	5KCP39FG9478T	121	11	E10	②	
1/3	1625	115	Siv.	A	3.9	15	3994	5KCP39HGE213T	118	13	E10	②
		208-230	Siv.	A	1.9	5	3995	5KCP39HGE214T	120	13	E10	②
	1075	115	Siv.	A	4.9	7.5	3985	5KCP39LG9683T	126	15	E10	Ⓜ
208-230		Siv.	A	2.5	5	3986	5KCP39JG9479T	128	14	E10	②	
1/2	1625	115	Siv.	A	6.0	15	3996	5KCP39MGE215T	127	16	E12	②
		208-230	Siv.	A	2.8	7.5	3997	5KCP39LGE216T	129	16	E12	②
	1075	115	Siv.	A	7.3	10	3987	5KCP39PG9710T	142	18	E13	②
208-230		Siv.	A	3.5	7.5	3988	5KCP39NG9709T	144	18	E13	②	
3/4	1625	115	Siv.	A	8.5	15	3998	5KCP39PGE415T	141	18	E14	②
		208-230	Siv.	A	4.0	7.5	3999	5KCP39PGE416T	143	18	E14	②
	1075	115	Siv.	A	9.1	15	3989	5KCP39PGE413T	166	18	E13	Ⓜ
208-230		Siv.	A	4.4	10	3990	5KCP39PGE414T	168	18	E13	②	

② Full-load amps @230V.

Ⓜ 60 Hertz.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 110

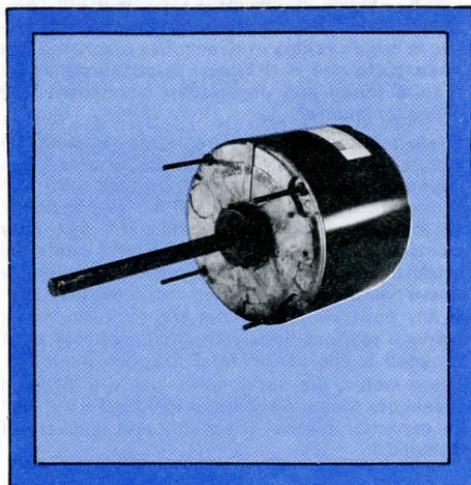
**SAFETY PRECAUTIONS:** See page 113



# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE OUTDOOR CONDENSER AND HEAT PUMP FAN MOTORS

### 5 1/2-Inch Diameter — Permanent Split Capacitor, Type KCP — Single & Two Speed — Reversible



**USES** — These high efficiency Energy Saver™ motors have been specially designed for replacement of outdoor condenser and heat pump fan motors. They're suitable for varied vertical and horizontal residential and commercial uses.

These direct-drive motors are the most dependable motors available. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Vertical shaft-up models are totally enclosed, except for the opposite shaft-end endshield. Vertical shaft-down models are totally enclosed and non-ventilated to protect inner parts from entry of foreign materials, offering longer motor life. Numbered 26-inch leads extend out opposite shaft-end endshield for fast, easy connection. Motors include a 6-inch shaft with 2 full flats 90° apart. Rotation is easily reversed, except where noted. The all-angle sleeve and ball bearing systems permit vertical or horizontal mounting. These motors are designed for use with 370-volt capacitors. Mounting holes are included in the shell for capacitor bracket. (Capacitor and bracket not included.)

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @230V	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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#### Single Speed — Vertical Shaft Up — 60 Hertz

1/6	825	208-230	Ball	A	0.9	5	3200	5KCP39GGC132T	\$147	12	A2	
1/4	825	208-230	Ball	A	1.5	7.5	3040	5KCP39KGC133T	167	14	A6	
1/3	825	115	Ball	A	5.0	15	3049	5KCP39PGC094T	184	19	A14	ⓐ
1/2	825	208-230	Ball	A	2.2	10	3026	5KCP39PGC070T	186	19	A14	
		208-230	Ball	A	2.9	10	3033	5KCP39PGC071T	224	19	A11	ⓑ
		208-230	Ball	A	2.9	10	3039	5KCP39PGC131T	224	19	A11	ⓓ

#### Two Speed — Vertical Shaft Up — 60/50 Hertz

1/6	1075	208-230	Slv.	A	0.9	5	3027	5KCP39DGA768T	114	11	A1	
1/4	1075	208-230	Slv.	A	1.5	5	3028	5KCP39GGA769T	122	13	A4	
		208-230	Ball	A	1.5	5	3046	5KCP39GGC124T	138	13	A4	
1/3	1075	208-230	Slv.	A	2.1	7.5	3029	5KCP39LGA770T	130	16	A9	
		208-230	Ball	A	2.1	7.5	3031	5KCP39LGC003T	146	16	A9	
1/2	1075	208-230	Slv.	A	3.2	10	3030	5KCP39NGA771T	145	18	A13	
		208-230	Ball	A	3.2	10	3032	5KCP39NGC004T	161	18	A13	
3/4	1075	208-230	Ball	A	3.9	15	3048	5KCP39PGC199T	185	19	A13	

#### Single Speed — Vertical Shaft Down — 60/50 Hertz

1/4	1075	208-230	Slv.	A	1.5	5	3084	5KCP39HGE930T	123	13	A3	ⓐ
1/3	1075	208-230	Slv.	A	2.1	7.5	3085	5KCP39MGE931T	131	16	A7	ⓑ
1/2	1075	208-230	Slv.	A	3.1	10	3086	5KCP39PGE932T	146	18	A10	ⓓ

ⓐ Full-load amps @115V.

ⓑ No capacitor mounting holes in shell. Drain hole in shaft end endshield. Extended thru-bolts and flat face endshield on lead end.

ⓓ CCW viewing opposite shaft end. Not reconnectable.

ⓔ CW viewing opposite shaft end. Not reconnectable.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection except where noted.

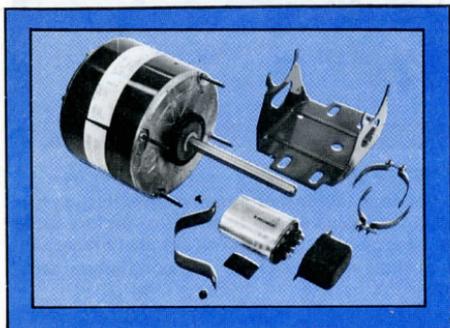
**DIMENSIONS:** See page 108

**SAFETY PRECAUTIONS:** See page 113

# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE UNIT HEATER FAN MOTORS

5 1/2-Inch Diameter — Permanent Split Capacitor,  
Type KCP — Single Speed — Totally Enclosed —  
Reversible



**USES** — These high efficiency Energy Saver™ motors are specifically designed for replacement of unit heater drives and other applications requiring a totally enclosed motor.

These direct-drive motors are the most dependable motors available. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Numbered line leads 60-inches long extend out the opposite shaft end endshield for fast, easy connections. Motors include a 5-inch shaft with a full length flat. Rotation is easily reversed. Ball bearings will permit mounting in any position. These motors include a 370-volt capacitor and mounting kit.

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L Amps @115	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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### Single Speed — Totally Enclosed Air Over — 60/50 Hertz

1/6	1075	115	Ball	A	2.2	5	3206	5KCP39EGC336T	\$144	12	C1	
1/4	1075	115	Ball	A	3.3	10	3208	5KCP39JGC337T	152	16	C2	
		208-230	Ball	A	1.4	7.5	3210	5KCP39HGC338T	154	16	C2	②
1/3	1075	115	Ball	A	4.9	10	3212	5KCP39NGC339T	167	20	C3	
		208-230	Ball	A	2.0	10	3214	5KCP39MGC340T	169	19	C3	②

② Full-load amps @230V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 109

**SAFETY PRECAUTIONS:** See page 113

# ENERGY SAVER™ MOTORS

## FAN AND BLOWER REPLACEMENT MOTORS

Single and Three Phase — Open — 1.0 SF



**USES:** These high efficiency Energy Saver™ motors offer high flexibility, making them adaptable for a wide variety of replacement needs. They're ideally suited for shaft-mounted fan and blowers in commercial and industrial air conditioners, coolers, furnaces, condensing units and many similar air mov-

ing applications.

You get dependable motor operation with such features as all-angle sleeve bearings or factory lubricated precision ball bearings and automatic reset thermal protection. All ratings are continuous duty, air-over.

HP	RPM	Volts	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single Speed — Permanent-Split Capacitor, Type KCP

1/3	825	115	Ball	A	4.2	P169	5KCP49QG1065S	\$246	26	13.67	©
		230	Ball	A	1.9	P170	5KCP49QG158S	246	26	13.56	
		230	Ball	A	1.9	P171	5KCP49QG159S	250	26	16.06	
		208-230	Ball	A	1.9	P172	5KCP49QG1066S	246	26	13.67	
1/2	825	115	Ball	A	6.2	P173	5KCP49QG1067S	264	30	14.48	©
		230	Ball	A	2.7	P174	5KCP49QG162S	304	30	19.26	
		208-230	Ball	A	2.7	P175	5KCP49QG1068S	264	30	14.48	
		208-230	Ball	A	2.5	P176	5KCP49QG1069S	252	26	13.67	
3/4	1075	200-230	Slv.	A	3.8	P177	5KCP49QG165S	304	32	22.80	
		230	Slv.	A	3.8	P178	5KCP49QG166S	320	32	24.93	
		208-230/460	Ball	A	3.8	P179	5KCP49QG1070S	264	32	17.04	
1	825	208-230	Ball	A	6.3	P180	5KCP49QG1073S	296	43	17.68	
		208-230/460	Ball	A	5.0	P181	5KCP49QG1074S	286	39	17.04	

### Two Speed — Permanent-Split Capacitor, Type KCP — CCW Only

1/3	1075	208-230	Slv.	A	2.4	3091	5KCP39KGD368T	153	18	22.00	Ⓜ
1/2	1075	208-230	Slv.	A	3.8	3092	5KCP39NGD369T	169	20	23.00	

### Three Speed — Permanent-Split Capacitor, Type KCP

3/4	1075	115	Ball	A	7.8	P182	5KCP49QG1071S	276	32	17.04	©
		208-230	Ball	A	3.8	P183	5KCP49QG1072S	276	32	17.04	
1	1075	115	Ball	A	10.8	P184	5KCP49QG1075S	300	39	17.04	©
		208-230	Ball	A	5.0	P185	5KCP49QG1076S	300	39	17.04	

### Single Speed — Three-Phase, Type K

1/2	1140	208-230/460	Ball	A	1.9	K578	5K49QG2723S	306	28	15.10	
3/4	1140	208-230/460	Ball	A	2.8	K378	5K49QG2724S	340	28	15.10	
1	1140	208-230/460	Ball	A	3.4	K379	5K49QG2725S	356	35	16.10	
1½	1140	208-230/460	Ball	A	4.8	K380	5K49QG2726S	390	44	17.47	

© Full-load amps @115V. Ⓜ 60/50 Hertz

**ROTATION:** Shaft rotation easily reversed by electrical reconnection, unless otherwise noted.

**DIMENSIONS:** See next page.

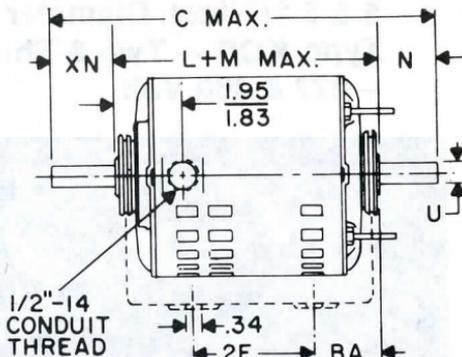
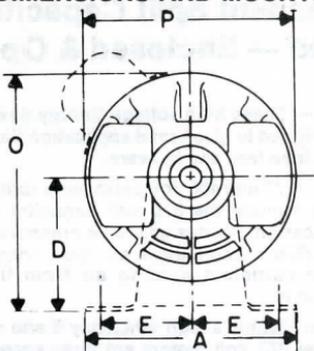
**SAFETY PRECAUTIONS:** See page 113

# ENERGY SAVER™ MOTORS

## FAN AND BLOWER REPLACEMENT MOTORS

Single and Three Phase — Open — 1.0 SF

### DIMENSIONS AND MOUNTING DATA



Stock No.	C	D	E	2F	O	U	BA	P	A	N	XN	L + M	Mounting	370V Run Capacitor Req'd.
3091	22.00	3.0	2.12	2.76	5.83	0.50	2.50	5.61	5.62	6.50	9.10	6.46	Base mtd.; 1.5" ext'd thru bolts; full flats both ends; (4) 14" leads; conduit box & special crossover oiler kits shipped with motors.	5 mfd
3092	23.00	3.0	2.12	2.76	5.83	0.50	2.50	5.61	5.62	8.00	8.60	6.46		5 mfd
P170	13.56	—	—	—	—	0.62	—	6.42	—	3.50	—	9.94	2 1/2" resilient rings, no base; 3" lg. keyway; cast-in terminal box — TE endshield lead end	7.5 mfd
P171	16.06	3.50	2.44	3.00	6.74	0.62	2.75	6.42	6.50	6.00	—	9.94	Base mtd.; full flat & keyway 90° apart; cast-in terminal box	7.5 mfd
P174	19.26	—	—	—	—	0.62	—	6.42	—	6.00	2.39	10.75	0.62" ext'd. thru bolts; no base; 2 full flats on "N" shaft 90° apart; 1 full flat on "XN" shaft; cast-in terminal box; TE endshield lead end.	10 mfd
P177	22.80	3.50	2.44	3.00	6.74	0.62	2.75	6.42	6.50	3.25	8.12	11.31	Base mtd.; 2" lg. flat on "N" shaft; 4.75" lg. flat on "XN" shaft; base reversed; cast-in terminal box	10 mfd
P178	24.93	3.50	2.44	3.00	6.74	.062	2.75	6.42	6.50	6.75	6.75	11.31	Base mtd.; full flat & keyway 90° apart both ends; cast-in terminal box	10 mfd
P172	13.67	—	—	—	—	0.62	—	6.42	—	4.00	—	9.56	2 1/2" resilient rings; 1.50" ext'd. thru bolts; 4 leads, 50" long; cap. mtg. holes on shell; int. & ext. water slinger; full keyway & full flat 90° apart	7.5mfd
P169	13.67	—	—	—	—	0.62	—	6.42	—	4.00	—	9.56		10 mfd
P179	17.04	—	—	—	—	0.62	—	6.42	—	6.00	—	10.93		10 mfd
P183	17.04	—	—	—	—	0.62	—	6.42	—	6.00	—	10.93		12.5 mfd
P180	17.68	—	—	—	—	0.62	—	6.42	—	6.00	—	11.57		12.5 mfd
P181	17.04	—	—	—	—	0.62	—	6.42	—	6.00	—	10.93		12.5 mfd
P185	17.04	—	—	—	—	0.62	—	6.42	—	6.00	—	10.93		12.5 mfd
P173	14.48	—	—	—	—	0.62	—	6.42	—	4.00	—	10.37		15 mfd
P175	14.48	—	—	—	—	0.62	—	6.42	—	4.00	—	10.37		10 mfd
P176	13.67	—	—	—	—	0.62	—	6.42	—	4.00	—	9.56	10 mfd	
P182	17.04	—	—	—	—	0.62	—	6.42	—	6.00	—	10.93	20 mfd	
P184	17.04	—	—	—	—	0.62	—	6.42	—	6.00	—	10.93	15 mfd	
K578	15.10	—	—	—	—	0.62	—	6.42	—	6.00	—	8.94	No resilient rings — no base — no ext'd. thru bolts — 26" long leads — int. & ext. water slinger — full keyway & full flat 90° apart — double sealed bearings; TE endshield shaft end.	
K378	15.10	—	—	—	—	0.62	—	6.42	—	6.00	—	8.94		
K379	16.10	—	—	—	—	0.62	—	6.42	—	6.00	—	9.94		
K380	17.47	—	—	—	—	0.62	—	6.42	—	6.00	—	11.31		

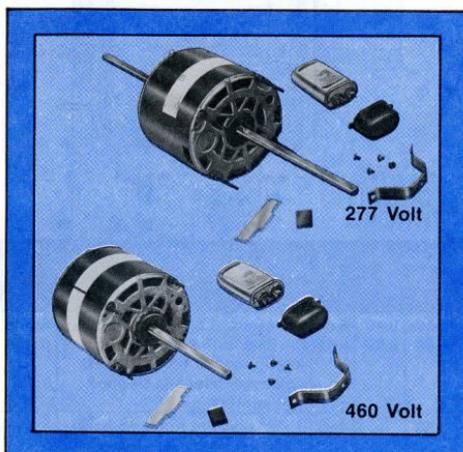
SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK

# ENERGY SAVER™ MOTORS

## DIRECT-DRIVE HIGH VOLTAGE FAN AND BLOWER MOTORS

### 5 & 5 1/2-Inch Diameter — Permanent Split Capacitor, Type KCP — Two & Three Speed — Enclosed & Open —277 & 460 Volt



**USES** — These high voltage Energy Saver motors are designed to give broad application flexibility for direct-drive fans and blowers.

Both the 277 and 460 Volt permanent split capacitor motors include the 370 volt capacitor kit in the motor carton. All designs have numbered 26-inch leads. Rated continuous air over, these motors require sufficient cooling air from the driven equipment.

General Electric's high efficiency 5 and 5 1/2-inch diameter 277 Volt motors are three speed designs with enclosed construction (except lead end end-shield open). They feature sleeve bearings, counter-clockwise rotation viewing lead end, double shaft extensions with full flats, and 1.5-inch extended thru-bolts on lead end. General Electric's high efficiency 5 1/2-inch diameter 460 Volt motors are two speed designs with closed shell-construction with open endshields. They feature ball bearings, 6" long single shaft with two full flats, serrated end caps, 3/4-inch extended thru bolts on shaft end, and are electrically reversible.

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps	Run Cap. Size (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	Dim. Ref.	Foot-Notes
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#### Three Speed — 277 Volt — 5" Diameter — 60 Hertz

1/15	1075	277	Slv.	A	0.35	3	2965	5KCP29BK9309T	\$158	10	D10	B H J
1/6	1625	277	Slv.	A	0.69	5	2967	5KCP29DK9311T	165	11	D11	B H J
1/6	1075	277	Slv.	A	0.76	5	2966	5KCP29EK9310T	166	10	D11	B H J

#### Three Speed — 277 Volt — 5 1/2" Diameter — 60 Hertz

1/6	1075	277	Slv.	A	0.78	5	3657	5KCP39CGF109T	168	12	D4	G H J
1/4	1075	277	Slv.	A	1.3	5	3677	5KCP39GGF110T	176	15	D5	G H J
1/3	1075	277	Slv.	A	1.9	7.5	3687	5KCP39KGF111T	191	16	D6	G H J
1/3	1625	277	Slv.	A	1.5	7.5	3887	5KCP39KGF113T	183	17	D6	G H J
1/2	1075	277	Slv.	A	2.8	10	3697	5KCP39PGF112T	213	20	D7	G H J

#### Two speed — 460 Volt — 5 1/2" Diameter — 60 Hertz

1/4	1625	460	Ball	A	0.76	5	3470	5KCP39GGC521T	179	14	A5	
1/3	1075	460	Ball	A	1.1	7.5	3280	5KCP39KGC519T	200	15	A8	
1/2	1625	460	Ball	A	1.6	7.5	3490	5KCP39NGC522T	201	20	A12	
3/4	1075	460	Ball	A	2.1	15	3290	5KCP39PGC520T	249	20	A12	

G For resilient ring mounting, order accessory kit 161L131AB1. \$14.00 list.

H Lead end endshield open.

J CCW viewing lead end. Not reconnectable.

B Length adapter kit included.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See pages 108 and 109

**SAFETY PRECAUTIONS:** See page 113



# SINGLE-PHASE MOTORS

## Open — Split-phase, Types KH and XB — 1.0 SF



Resilient Base

**USES** — These special service motors are ideally suited for use on summer cooling fans, evaporative coolers, small drill presses, jig saws, grinders, and many similar moderate starting load devices, including industrial fans and blowers.

Built for dependable performance, these open, drip-proof motors feature quiet, strong, all-angle sleeve bearings. You can mount the motor in any position. Ball bearing motors are available to take heavier loads. The terminal board is large and easy to get to, making hookup fast and simple. Motors are designed for continuous operation. These special service motors should be used where the maximum load will not exceed nameplate rating for any length of time. Optional resilient or solid base and optional auto reset thermal protection are available.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base

1/6	1725	115	48	Slv.	N	4.0	4324	5XBF00B	\$ 94	12	8.13	
		115	48	Slv.	A	4.0	4348	5XBF007	100	12	8.13	
		115	48	Ball	N	4.0	H227	5KH32CN16	110	12	8.94	
1/4	1725	115	48	Slv.	N	5.5	4351	5XBG00A	98	13	8.33	
		115	48	Slv.	A	5.5	4361	5XBG000	104	13	8.33	
		115	48	Ball	N	5.4	H228	5KH32EN17	114	13	8.94	
1/3	1725	115	56Z	Slv.	N	5.5	4357	5XBG01C	102	13	8.33	(A)
		115	48	Slv.	N	6.4	4368	5XBH00C	108	15	8.63	
		115	48	Slv.	A	6.4	4380	5XBH001	114	15	8.63	
1/2	1725	115	48	Ball	N	6.8	H229	5KH35HN9	124	15	9.57	
		115	48Z	Slv.	N	6.4	4376	5XBH01U	114	15	10.14	(B)
		230	48	Slv.	N	3.2	4373	5XBH00W	116	15	8.63	(2)
		230	48	Slv.	A	3.2	4307	5XBH027	122	15	8.63	(2)
		115	56Z	Slv.	N	6.4	4372	5XBH00V	112	15	8.63	(A)
1/2	1725	115	56	Slv.	N	7.7	4421	5KH3UMA0801	138	19	9.73	
		115	56	Ball	N	8.6	H230	5KH36LN7	154	17	10.32	
		115	56Z	Slv.	N	8.4	4388	5XBK00M	144	19	11.60	(7)

### Resilient Base

1/6	1725	115	48	Slv.	N	4.0	4320	5XBF00A	98	12	8.13	
		115	48	Slv.	A	4.0	4312	5XBF003	104	12	8.13	
1/4	1725	115	48	Slv.	N	5.5	4352	5XBG00B	102	13	8.33	
		115	48	Slv.	A	5.5	4301	5XBG001	108	13	8.33	
		230	48	Slv.	N	2.8	4353	5XBG00D	110	13	8.33	(2)
		115	56Z	Slv.	N	5.5	4359	5XBG01E	106	13	8.33	(A)
1/3	1725	115	56Z	Slv.	A	5.5	4364	5XBG037	112	13	8.33	(A)
		115	48	Slv.	N	6.4	4369	5XBH00D	112	15	8.63	
		115	48	Slv.	A	6.4	4310	5XBH002	118	15	8.63	
1/2	1725	230	48	Slv.	N	3.2	4371	5XBH00R	120	15	8.63	(2)
		230	48	Slv.	A	3.2	4311	5XBH003	126	15	8.63	(2)
		115	56Z	Slv.	N	6.4	4377	5XBH01V	116	15	8.63	(A)
		115	56Z	Slv.	A	6.4	4381	5XBH016	122	15	8.63	(A)
		115	56	Slv.	N	7.7	4386	5XBK00D	142	19	9.71	
3/4	1725	115	56	Slv.	A	7.7	4601	5XBK003	148	19	9.71	
		230	56	Slv.	N	3.8	4387	5XBK00G	150	19	9.71	(2)
		230	56	Slv.	A	3.8	4602	5XBK006	156	19	9.71	(2)
3/4	1725	115	56	Slv.	N	11.0	4422	5KH3WQA0802	176	21	10.03	(X)
		115	56	Slv.	A	11.0	4338	5KH3WQA0613T	182	21	10.03	(X)

(2) Full-load amps @230V

(X) External cooling air required.

(A) Motor has 1/2" dia. shaft 1 1/2" long, 5/8" shaft adapter supplied.

(B) Double shaft extensions 1 1/2" long by 1/2" dia. with flat each end.

(7) Double shaft extensions 1 7/8" long by 5/8" dia. with keyway each end.

**ROTATION:** Shaft Rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# SINGLE-PHASE MOTORS

## Open — Capacitor-start, Type KC — 1.0 SF



**Resilient  
Base**



**Solid  
Base**

**USES** — These special-service motors provide dependable, economical power for hundreds of everyday uses. Typical applications include machinery, pumps, evaporative coolers, milking machines, attic fans, saws, jointers, tools, fans, blowers, and many other moderate load applications.

Rely on these special service motors for your hard-to-start applications. Ideal for use where load will not exceed name plate rating for any length of time. Either sleeve-bearing or ball-bearing designs allow any position mounting. The sleeve-bearing design

is especially quiet and is ideal for moderately heavy loads. Use ball-bearing designs for heavy thrust loads. Optional auto reset and manual thermal protection designs are available.

You'll find wiring is simple and fast because of quick-connect wiring tabs, large and easily accessible terminal board and threaded conduit hole. Change rotation easily, too, by simply reversing two plug-in leads. On dual-voltage motors, links will allow fast voltage change. These open dripproof motors are designed for continuous operation.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base

1/4	1725	115	48	Slv.	N	5.2	C100	5KC33FN9	\$130	14	8.94		
1/3	1725	115	48	Slv.	N	6.6	C102	5KC35JN9	138	16	9.57		
		48	Slv.	A	6.6	C423	5KC35JN9X	144	16	9.57			
		115/230	48	Slv.	N	6.6	C103	5KC35JN30	146	16	9.57		
		48	Slv.	A	6.6	C104	5KC35JN30X	154	16	9.57			
		115/230	56	Ball	M	6.6	C105	5KC35JN27Y	180	16	9.89		
1/2	3450	115/230	48	Slv.	N	8.0	C106	5KC36JN90	124	16	10.00		
		115/230	56	Slv.	N	8.0	C447	5KC36JN131	128	17	10.32		
		1725	115/230	48	Slv.	A	8.6	C107	5KC36MN21X	184	19	10.00	
		115/230	56	Slv.	N	8.6	C109	5KC36MN6	180	19	10.32		
		115/230	56	Slv.	A	8.6	C424	5KC36MN6X	188	19	10.32		
		115/230	56	Ball	M	8.6	C110	5KC36MN28Y	210	19	10.32		
3/4	3450	115/230	48	Slv.	N	11.2	C111	5KC37LN91	140	19	10.40		
		115/230	56	Slv.	N	11.2	C448	5KC37LN131	144	19	10.72		
		1725	115	56	Slv.	N	11.6	C112	5KC38RN15	208	24	11.32	
		115/230	56	Slv.	N	11.6	C115	5KC38RN7	216	24	11.32		
		115/230	56	Slv.	A	11.6	C425	5KC38RN7X	224	24	11.32		
		115/230	56	Ball	N	11.6	C116	5KC38RN17	232	24	11.32		
		115/230	56	Ball	M	11.6	C117	5KC38RN17U	246	24	11.32		
1	3450	115/230	56	Ball	N	13.4	C118	5KC37NN90	202	20	10.72		
		1725	115/230	56	Slv.	N	14.2	C119	5KC45PG804	290	32	11.36	
		115/230	56	Slv.	A	14.2	C120	5KC45PG804X	298	32	11.36		

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

Continued on next page



# SINGLE-PHASE MOTORS

## Open — Capacitor-start, Type KC — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Resilient Base</b>												
1/3	1725	115	48	Slv.	N	6.6	C127	5KC35JN4	\$142	16	9.57	
		115/230	48	Slv.	N	6.6	C128	5KC35JN23	150	16	9.57	
		115/230	48	Slv.	A	6.6	C129	5KC35JN23X	158	16	9.57	
1/2	1725	115/230	56	Slv.	N	6.6	C132	5KC35JN26	154	16	9.89	
		115/230	48	Slv.	A	8.6	C133	5KC36MN27X	188	19	10.00	
		115/230	56	Slv.	N	8.6	C135	5KC36MN4	184	19	10.32	
3/4	1725	115/230	56	Slv.	A	8.6	C136	5KC36MN4X	192	19	10.32	
		115/230	56	Slv.	N	11.6	C137	5KC38RN4	220	24	11.32	
		115/230	56	Slv.	A	11.6	C138	5KC38RN4X	228	24	11.32	
1	1725	115/230	56	Slv.	N	14.2	C139	5KC45PG805	294	32	11.36	
		115/230	56	Slv.	A	14.2	C140	5KC45PG805X	302	32	11.36	

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*

### QUIET, ALL-ANGLE SLEEVE BEARINGS

Large babbitt-lined sleeve bearings are precision machined to extremely close tolerances for accurate alignment, quiet operation, and long, dependable opera-



tion. The high accuracy of alignment helps insure that the shaft is supported by a maximum bearing surface, thus reducing bearing wear to a minimum.

Wide-angle bearing oil grooves distribute the lubricant evenly over the entire bearing surface, eliminating the possibility of 'dry spots' and metal contact. This even, continuous distribution of freshly filtered oil cleans as it lubricates, washing away any abrasive foreign particles.

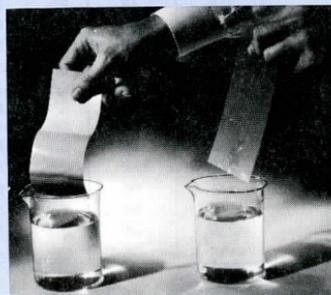
The General Electric all-angle sleeve bearing motor offers users the opportunity to use standard sleeve-bearing motors for non-horizontal mounting where more costly special motors have formerly been required.

### POLYESTER INSULATION RESISTS MOISTURE

Polyester film is an extremely tough, amazingly water-resistant modern synthetic.

The remarkable physical, electrical, thermal, and chemical characteristics of this material make it ideal for motor insulation.

The moisture resistance of polyester film is tested to be 35 times greater than that of the ordinary paper insulation used in motors of less advanced design. It will absorb less than one-half of one per cent moisture when submerged.



**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



# SINGLE-PHASE MOTORS

## Open — Split-phase, Type KH and XB — NEMA SF

**USES** — These general-purpose motors are specially suited for such uses as residential and commercial central air conditioning fans and blowers, office machines, centrifugal pumps, reducers, coolers, tools, and many similar applications where the starting load is moderate or where load is applied after motor has reached operating speed.

These precision built motors have all-angle high load-carrying sleeve bearings or heavy-duty precision ball bearings and solid or resilient mountings. These NEMA service factor designs are advantageous where maximum loading is unknown, and, you get the same dependable, long-life operation and unique features offered by General Electric's broad line of motors.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base

1/8	3450	115	48	Slv.	N	2.6	H106	5KH32BN113	\$ 98	12	8.94	
	1725	115	48	Slv.	N	3.0	4341	5XBF00D	94	12	8.13	
		115	48	Slv.	A	3.0	4347	5XBF006	100	12	8.13	
1/6	1725	115	48	Slv.	N	3.6	4342	5XBF00F	94	12	8.13	
		115	48	Slv.	A	3.6	4349	5XBF008	100	12	8.13	
	1140	115	48	Ball	N	4.0	H238	5KH32DN15	110	12	8.94	
		230	48	Slv.	A	1.8	4313	5XBF023	108	12	8.13	②
		115	48	Slv.	N	4.0	H108	5KH37PN38	160	20	10.40	
1/4	1725	115	48	Slv.	N	4.9	4354	5XBG00F	102	13	8.33	
		115	48	Slv.	A	4.9	4362	5XBG016	108	13	8.33	
	230	115	48	Ball	N	5.6	H239	5KH33FN6	118	13	9.19	
		115	48	Slv.	N	2.5	4356	5XBG01B	110	13	8.33	②
1/3	3450	115	48	Slv.	N	5.6	H109	5KH35FN123	104	15	9.57	
		115	48	Slv.	N	5.5	4378	5XBH02A	120	15	8.63	
	1725	115	48	Ball	N	6.6	H240	5KH35JN8	136	15	9.57	
		230	48	Slv.	A	5.8	4382	5XBH024	126	15	8.63	
1/2	1725	115	48	Slv.	A	2.8	4384	5XBH048	134	15	8.63	②
		115	56	Ball	N	8.8	H241	5KH36MN6	188	18	10.32	

### Resilient Base

1/8	3450	115	48	Slv.	N	2.6	H111	5KH32BN114	102	12	8.94	
	1725	115	48	Slv.	N	3.0	4339	5XBF00C	98	12	8.13	
		115	48	Slv.	A	3.0	4346	5XBF000	104	12	8.13	
1/6	1725	115	48	Slv.	N	3.6	4304	5XBF00E	98	12	8.13	
		115	48	Slv.	A	3.6	4314	5XBF004	104	12	8.13	
	1140	230	48	Slv.	N	1.8	4345	5XBF00T	106	12	8.13	②
		230	48	Slv.	A	1.8	4321	5XBF018	112	12	8.13	②
		115	48	Slv.	N	4.0	H112	5KH37PN39	164	20	10.40	
1/4	1725	115	48	Slv.	A	4.0	H113	5KH37PN39X	170	20	10.40	
		115	48	Slv.	N	4.9	4355	5XBG00G	106	13	8.33	
	230	115	48	Slv.	A	4.9	4305	5XBG015	112	13	8.33	
		115	48	Slv.	N	2.5	4360	5XBG01G	114	13	8.33	②
1/3	3450	115	48	Slv.	A	2.5	4306	5XBG019	120	13	8.33	②
		115	48	Slv.	N	5.6	H114	5KH35FN124	108	15	9.57	
	1725	115	48	Slv.	A	5.6	H115	5KH35FN124X	114	15	9.57	
		115	48	Slv.	N	5.5	4370	5XBH00H	124	15	8.63	
		115	48	Slv.	A	5.5	4308	5XBH006	130	15	8.63	
		230	48	Slv.	N	2.8	4374	5XBH01A	132	15	8.63	②
1/2	1725	230	48	Slv.	A	2.8	4309	5XBH017	138	15	8.63	②
		115	56	Slv.	N	7.3	4390	5XBL00B	176	21	10.01	
3/4	1725	115	56	Slv.	A	7.3	4392	5XBL000	182	21	10.01	
		230	56	Slv.	A	3.7	4393	5XBL004	190	21	9.63	②
		115	56	Slv.	A	12.0	H272	5KH38RN57X	236	22	11.32	⑧

② Full-load amps @230V.

⑧ Extended-through bolts

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# SINGLE-PHASE MOTORS

Open — Capacitor-start, Type KC — NEMA SF



**Cast Aluminum  
Frame  
Frames 143T-184T**



**Resilient Base  
48-56 Frame**

**USES —** These general-purpose motors are ideally suited for such uses as pumps, air compressors, commercial refrigeration compressors, conveyors, tools, appliances, blowers, and many commercial and industrial devices.

These motors are built for highly dependable operation on hard-to-start jobs. NEMA Service Factors of 1.15 to 1.35 are ideal when maximum load is uncer-

tain. All position mounting flexibility with husky, quiet, all-angle sleeve bearings or precision pre-lubricated ball bearings.

It's easy to quickly change the voltage and shaft rotation in a roomy connection box. Motors can run continuously. Optional auto reset or manual thermal protection is available.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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## Solid Base

1/4	1725	115	48	Slv.	N	5.2	C142	5KC35JN11	\$138	16	9.57			
		115	48	Slv.	A	5.2	C143	5KC35JN11X	144	16	9.57			
		115	48	Ball	N	5.2	C146	5KC35JN13	154	16	9.57			
		115/230	48	Slv.	N	5.2	C144	5KC35JN8	146	16	9.57			
		115/230	48	Slv.	A	5.2	C145	5KC35JN8X	154	16	9.57			
	1425	115/230	48	Ball	N	5.2	C147	5KC35JN10	162	16	9.57			
		115/230	48	Ball	A	5.2	C148	5KC35JN10X	170	16	9.57			
		110/220	48	Slv.	N	5.9	C431	5KC36LN18	170	18	10.00	①		
		1/3	3450	115/230	48	Slv.	N	6.8	C151	5KC35FN50	124	15	9.57	A
			115/230	48	Slv.	A	6.8	C152	5KC35FN50X	132	15	9.57	A	
1/2	1725	115/230	48	Slv.	N	6.6	C153	5KC36LN30	176	18	10.00			
		115/230	48	Slv.	A	6.6	C154	5KC36LN30X	184	18	10.00			
		115	56	Slv.	N	6.6	C155	5KC36LN8	172	18	10.32			
		115	56	Slv.	A	6.6	C427	5KC36LN8X	178	18	10.32			
		115/230	56	Slv.	N	6.6	C156	5KC36LN5	180	18	10.32			
	1425	115/230	56	Slv.	A	6.6	C157	5KC36LN5X	188	18	10.32			
		115/230	56	Ball	N	6.6	C158	5KC36LN7	196	18	10.32			
		115/230	56	Ball	A	6.6	C159	5KC36LN7X	204	18	10.32			
		110/220	56	Slv.	N	7.4	C450	5KC37NN8	204	20	10.72	①		
		110/220	56	Slv.	A	7.4	C451	5KC37NN8T	212	20	10.72	①		
1/2	3450	115/230	56	Slv.	N	7.4	C161	5KC48PG6	284	33	12.69			
		115/230	48	Slv.	N	7.6	C162	5KC36JN266	140	15	10.00	A		
		115/230	48	Slv.	A	7.6	C163	5KC36JN266X	148	15	10.00	A		
		110/220	48	Slv.	N	7.8	C459	5KC37MN96	164	20	10.40	①A		
		115/230	48	Ball	N	8.6	C164	5KC37NN15	228	19	10.40			
	2850	115/230	56	Slv.	N	8.6	C165	5KC37NN5	216	20	10.72			
		115/230	56	Slv.	A	8.6	C166	5KC37NN5X	224	20	10.72			
		115/230	56	Ball	N	8.6	C167	5KC37NN6	232	20	10.72			
		115/230	56	Ball	A	8.6	C168	5KC37NN6X	240	20	10.72			
		115/230	56	Ball	M	8.6	C169	5KC37NN6Y	246	20	10.72			

① Full Load Amps @110V-50 Hertz A Moderate starting torque.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

Continued on next page



# SINGLE-PHASE MOTORS

## Open — Capacitor-start, Type KC — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base

1/2	1425	110/220	56	Slv.	N	9.2	C432	5KC38SN13	\$240	25	11.32	①
		110/220	56	Slv.	A	9.2	C452	5KC38SN13T	248	25	11.32	①
	1140	115/230	56	Slv.	N	9.4	C170	5KC49UG35	360	40	13.25	
3/4	3450	115/230	56	Slv.	N	10.2	C171	5KC37NN73	186	21	10.72	A
		115/230	56	Slv.	A	10.2	C172	5KC37NN73X	194	21	10.72	A
	1725	115/230	56	Slv.	N	12.0	C173	5KC39UN2	270	28	11.85	
		115/230	56	Slv.	A	12.0	C174	5KC39UN2X	278	28	11.85	
		115/230	56	Ball	N	12.0	C175	5KC39UN3	286	28	11.85	
		115/230	56	Ball	A	12.0	C176	5KC39UN3X	294	28	11.85	
1	1425	110/220	56	Slv.	N	12.0	C177	5KC39UN3U	300	28	11.85	
	1140	115/230	56	Slv.	N	12.0	C453	5KC47SG1232	294	35	11.88	①
		115/230	56	Ball	N	12.6	C178	5KC49WG524	480	44	13.83	④
	3450	115/230	56	Slv.	N	12.4	C179	5KC38RN60	218	24	11.32	A
		115/230	56	Slv.	A	12.4	C180	5KC38RN60X	226	24	11.32	A
	1725	115/230	56	Ball	N	13.8	C181	5KC47RG735	308	34	11.88	
1 1/2		115/230	56	Ball	A	13.8	C182	5KC47RG735X	316	34	11.88	
		115/230	143T	Ball	N	13.8	C188	5KC47RG6000	316	34	14.26	
	1425	110/220	56	Ball	N	12.0	C434	5KC48UG279	340	40	12.69	①
	1140	115/230	56H	Ball	N	12.6	C183	5KC49QG511	548	50	14.90	④
	3450	115/230	56	Ball	N	16.8	C184	5KC47PG749	306	32	11.88	A
	1725	115/230	56H	Ball	N	18.6	C185	5KC49WG527	360	46	13.83	④
2		115/230	56H	Ball	A	18.6	C186	5KC49WG527X	368	46	13.83	④
		115/230	145T	Ball	N	18.5	C191	5KC49WG6002	368	46	12.25	④
	3450	115/230	56	Ball	N	21.2	C187	5KC49TG548	378	40	13.25	A
		115/230	145T	Ball	N	21.2	C192	5KC49TG6003	386	40	13.62	A
	1725	115/230	145T	Ball	N	22.0	C193	5KC49QG6006	462	55	15.34	④
		115/230	145T	Ball	A	22.0	C381	5KC49QG6006X	470	55	15.34	④
3		115/230	182T	Ball	N	24.0	C197	5KC182AL202	482	57	14.56	①
	3450	115/230	145T	Ball	N	28.8	C194	5KC49ZG6007	618	51	14.84	④A
		115/230	182T	Ball	N	31.2	C479	5KC182AL2	638	57	14.56	①
5	1725	115/230	184T	Ball	N	34.0	C198	5KC184AL202	608	67	15.56	①
		230	184T	Ball	N	23.0	C199	5KC184AL292	920	82	15.56	② ③

### Resilient Base

1/6	1725	115/230	48	Slv.	A	4.0	C428	5KC33FN7X	150	14	9.19	
	1425	110/220	48	Slv.	A	4.2	C455	5KC35HN22T	174	15	9.57	①
1/4	1725	115	48	Slv.	N	5.2	C200	5KC35JN12	142	16	9.57	
		115	48	Slv.	A	5.2	C201	5KC35JN12X	148	16	9.57	
		115/230	48	Slv.	N	5.2	C202	5KC35JN7	150	16	9.57	
		115/230	48	Slv.	A	5.2	C203	5KC35JN7X	158	16	9.57	
		115/230	56	Slv.	A	5.2	C204	5KC35JN29X	162	17	9.89	
	1425	110/220	48	Slv.	N	5.9	C437	5KC36LN19	174	18	10.00	①
1/3		110/220	48	Slv.	A	5.9	C460	5KC36LN19T	182	18	10.00	①
	1140	115	56	Slv.	N	5.8	C205	5KC43MG19	244	25	10.88	
		115/230	56	Slv.	A	5.8	C206	5KC43MG58X	260	26	10.88	
	3450	115/230	48	Slv.	N	6.8	C207	5KC35FN51	128	15	9.57	A
	115/230	48	Slv.	A	6.8	C208	5KC35FN51X	136	15	9.57	A	

① Full-load Amps @110V-50 Hertz

② Cast aluminum construction with feet

③ Full-load amps @230V

④ Two mounted capacitors

A Moderate starting torque

ROTATION: Shaft rotation easily reversed by electrical reconnection

DIMENSIONS: See page 106

Continued on next page

SAFETY PRECAUTIONS: See page 113



# SINGLE-PHASE MOTORS

## Open — Capacitor-start, Type KC — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes		
1/3	1725	115	48	Slv.	A	6.6	C429	5KC36LN31X	\$178	17	10.00			
		115/230	48	Slv.	N	6.6	C209	5KC36LN26	180	18	10.00			
		115/230	48	Slv.	A	6.6	C210	5KC36LN26X	188	18	10.00			
		115	56	Slv.	A	6.6	C212	5KC36LN9X	182	18	10.32			
		115/230	56	Slv.	N	6.6	C213	5KC36LN3	184	18	10.32			
		115/230	56	Slv.	A	6.6	C214	5KC36LN3X	192	18	10.32			
	1425	110/220	115/230	56	Ball	N	6.6	C215	5KC36LN1	200	18	10.32		
			115/230	56	Ball	A	6.6	C216	5KC36LN1X	208	18	10.32		
			110/220	56	Slv.	N	7.4	C456	5KC37NN14	208	20	10.72		
			110/220	56	Slv.	A	7.4	C457	5KC37NN14T	216	20	10.72	①	
			1140	115/230	56	Slv.	N	8.6	C217	5KC48PG2	288	33	12.69	
			115/230	56	Slv.	A	8.6	C218	5KC48PG2X	296	33	12.69		
1/2	3450	115/230	48	Slv.	N	7.6	C219	5KC36JN267	144	15	10.00			
		115/230	48	Slv.	A	7.6	C220	5KC36JN267X	152	15	10.00	A		
		1725	115/230	56	Slv.	N	8.6	C221	5KC37NN3	220	20	10.72		
		115/230	56	Slv.	A	8.6	C222	5KC37NN3X	228	20	10.72			
		115/230	56	Ball	A	8.6	C223	5KC37NN1X	244	20	10.72			
		1425	110/220	56	Slv.	N	9.2	C438	5KC38SN14	244	24	11.32	①	
	1140	115/230	110/220	56	Slv.	A	9.2	C439	5KC38SN14T	252	24	11.32	①	
			115/230	56	Slv.	N	9.4	C224	5KC49UG36	364	40	13.25		
			115/230	56	Slv.	A	9.4	C225	5KC49UG36X	372	40	13.25		
			3450	115/230	56	Slv.	N	10.2	C226	5KC37NN82	190	21	10.72	A
			115/230	56	Slv.	A	10.2	C227	5KC37NN82X	198	21	10.72	A	
			1725	115/230	56	Slv.	N	12.0	C228	5KC39UN1	274	28	11.85	
3/4	1725	115/230	56	Slv.	A	12.0	C229	5KC39UN1X	282	28	11.85			
		115/230	56	Ball	N	12.0	C230	5KC39UN6	290	28	11.85			
		115/230	56	Ball	A	12.0	C231	5KC39UN6X	298	28	11.85			
		1425	110/220	56	Slv.	A	12.0	C458	5KC47SG1113X	306	34	11.88	①	
		1140	115/230	56	Ball	N	12.6	C232	5KC49WG523	484	43	13.83		
		3450	115/230	56	Slv.	N	12.4	C233	5KC38RN68	222	24	11.32	A	
	1	1725	115/230	56	Slv.	A	12.4	C234	5KC38RN68X	230	24	11.32	A	
			115/230	56	Ball	N	13.8	C235	5KC47RG723	320	33	11.88		
			115/230	56	Ball	A	13.8	C236	5KC47RG723X	328	33	11.88		
			1425	110/220	56	Ball	A	12.0	C480	5KC48UG280T	352	40	12.69	①
			3450	115/230	56	Ball	N	16.8	C484	5KC47PG748	312	32	11.88	A
			115/230	56	Ball	A	16.8	C237	5KC47PG748X	318	32	11.88	A	
1 1/2	1725	115/230	56H	Ball	N	18.6	C238	5KC49WG507	404	44	13.83			
		115/230	56H	Ball	A	18.6	C239	5KC49WG507X	412	44	13.83			
2	3450	115/230	56	Ball	A	21.2	C240	5KC49TG549X	390	40	13.25	A		

① Full Load Amps @110V-50 Hertz

A Moderate starting torque.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113

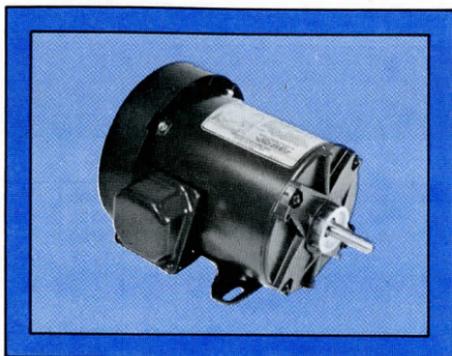
IN WAREHOUSE STOCK

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# SINGLE-PHASE MOTORS

## TEFC — Split-phase, Type KH — 1.0 SF



**USES** — Specially designed for dependable operation in dirty and dusty areas. These totally enclosed motors are ideal for use on pumps, machinery, fans, blowers, tools, conveyors, and for many other applications requiring moderate starting torque.

These motors are kept cool with an outboard fan to give you long, dependable life. Strong ball bearings will take heavy loads. Motors are designed for ten years of normal operation without relubricating. With a roomy connection box, wiring is easy. Motors are designed for continuous duty. Optional auto reset thermal protection is available.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base

1/6	1725	115	48	Ball	N	4.0	H116	5KH32EN66	\$134	17	9.92	
		115	48	Ball	A	4.0	H117	5KH32EN66X	140	17	9.92	
		1140	115	48	Ball	N	4.0	H118	5KH36PN105	188	22	10.98
		115	48	Ball	A	4.0	H119	5KH36PN105X	194	22	10.98	
1/4	1725	115	48	Ball	N	5.4	H120	5KH32GN54	142	17	9.92	
		115	48	Ball	A	5.4	H121	5KH32GN54X	148	17	9.92	
		115	48	Ball	M	5.4	H242	5KH32GN54Y	154	17	9.92	
		230	48	Ball	N	2.7	H122	5KH32GN68	150	17	9.92	②
		230	48	Ball	A	2.7	H243	5KH32GN68X	156	17	9.92	②
		1425	220	48	Ball	N	2.7	H273	5KH33KN39	174	18	10.17
1/3	3450	115	48	Ball	N	5.6	H123	5KH33FN85	144	16	10.17	
		115	48	Ball	A	5.6	H124	5KH33FN85X	150	16	10.17	

■ Full-load amps @ 220V- 50 Hertz

② Full-load amps @ 230V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*

### ATTRACTIVE FINISH

In the selection of a finish, 53 different baking enamels were tested for attractiveness, adhesion, flexibility, and resistance to abrasion, oil, lacquer, high humidity, and ability to withstand heat-cold shock.

The resultant finish is a specially formulated, highly protective, baked-on

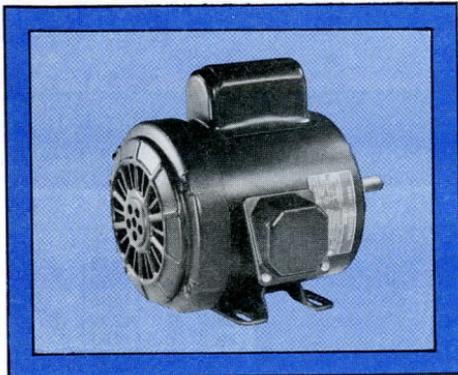
enamel applied over a phosphatized surface. The carefully selected attractive blue-gray color harmonizes nicely with colors of most machines and also provides an excellent base for repainting.

The finish is sprayed on after assembly to insure complete protection and reduce the chance of marring.

**SAFETY PRECAUTIONS:** See page 113

# GE SINGLE-PHASE MOTORS

## TEFC — Capacitor-start, Type KC — 1.0 SF



**USES** — These totally enclosed, fan-cooled motors have been specially designed for dependable operation in dirty or dusty areas, including such uses as pumps, machinery, tools, fans, blowers, air compressors, conveyors, farm jobs, and many other hard-to-start general purpose uses.

Totally enclosed fan-cooled designs provide protection and long life when used in adverse atmospheres. Strong ball bearings will stand up to heavy loads. And, the lubrication will allow ten years of normal operation. Quiet, all-angle sleeve bearings are available on some models to handle moderately heavy loads. Wiring is easy with a roomy connection box. Voltage and rotation can be quickly changed. The motor is kept cool with air forced over the surfaces by an outboard fan. Outboard fans are protected by a heavy steel cover. Motors can run continuously.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Welded Base

1/6	850	115/230	56	Ball	N	5.6	C248	5KC43PG631	\$374	31	11.60	
1/4	1725	115	48	Ball	N	5.4	C241	5KC32GN8	178	17	9.92	
		115	56	Ball	N	5.4	C249	5KC32GN18	182	17	10.30	
		115/230	48	Ball	N	5.4	C242	5KC32GN9	186	17	9.92	
		115/230	48	Ball	A	5.4	C243	5KC32GN9X	194	17	9.92	
		115/230	56	Ball	N	5.4	C250	5KC32GN19	190	17	10.30	
1/3	3450	115/230	56	Ball	A	5.4	C251	5KC32GN19X	198	17	10.30	
		1425	48	Ball	N	5.4	C462	5KC33KN19	210	18	10.17	①
		1140	56	Ball	N	5.8	C252	5KC43MG633	288	28	11.60	
		115/230	48	Ball	N	5.6	C244	5KC33FN33	164	18	10.17	A
		115/230	56	Ball	N	5.6	C253	5KC33FN34	168	18	10.55	A
		115/230	56	Ball	N	6.0	C254	5KC35MN43	220	20	10.93	
		115/230	56	Ball	A	6.0	C255	5KC35MN43X	228	20	10.93	
1/2	3450	115/230	56	Ball	M	6.0	C256	5KC35MN43Y	234	20	10.93	
		1425	56	Ball	N	6.4	C440	5KC36NN56	244	21	11.36	①
		1140	56	Ball	N	8.6	C257	5KC43PG634	324	31	11.60	
		115/230	48	Ball	N	7.4	C441	5KC36LN85	180	20	10.98	A
		115/230	48	Ball	A	7.4	C245	5KC36LN85X	188	20	10.98	A
1/2	3450	115/230	56	Ball	N	7.4	C258	5KC36LN138	184	20	11.36	A
		115/230	56	Ball	A	7.4	C259	5KC36LN138X	192	20	11.36	A

① Full-load amps @110V-50 Hertz.

A Moderate starting torque

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

Continued on next page

*General Electric Motors offer many quality features...*

### BONDING TREATMENT MAKES STATOR RIGID

Upon completion of the stator-winding manufacturing operation, the entire assembly is thoroughly dipped in a bath of protective polyester varnish. The assembly is then baked in high temperature ovens to bond stator core and windings into a strong, solid unit. This improved stator

treatment gives the motor's power package a strong rigidity which resists movement of conductors even under the severe vibration encountered on such applications as paint mixers. The treatment also offers excellent protection against the harm-producing effects of heat, moisture, abrasion, and deterioration.

**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



# SINGLE-PHASE MOTORS

## TEFC — Capacitor-start, Type KC — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Welded Base</b>												
1/2	1725	115/230	48	Ball	N	8.2	C260	5KC37RN35	\$252	23	11.38	
		115/230	56	Ball	N	8.2	C261	5KC37RN24	256	24	11.76	
		115/230	56	Ball	A	8.2	C262	5KC37RN24X	264	24	11.76	
		115/230	56	Ball	M	8.2	C263	5KC37RN24U	270	24	11.76	
	1425	110/220	56	Ball	N	8.4	C442	5KC38UN23	280	27	12.36	①
	1140	115/230	56	Ball	N	9.4	C264	5KC47UG383	400	40	12.60	
		115/230	56	Ball	A	9.4	C485	5KC47UG383X	408	40	12.60	
3/4	3450	115/230	56	Ball	N	11.2	C265	5KC37NN322	226	18	11.76	A
		115/230	56	Ball	A	11.2	C266	5KC37NN322X	234	18	11.76	A
		115/230	56	Ball	M	11.2	C267	5KC37NN322Y	240	18	11.76	A
	1725	115/230	56	Ball	N	11.6	C268	5KC45RG1183	310	34	12.08	
		115/230	56	Ball	A	11.6	C269	5KC45RG1183X	318	34	12.08	
	1425	110/220	56	Ball	N	12.0	C469	5KC45SG444	334	36	12.08	①
		115/230	56	Ball	N	10.6	C271	5KC48WG311	504	42	13.41	
1	3450	115/230	56	Ball	N	12.0	C272	5KC45NG441	258	30	12.08	A
		115/230	56	Ball	A	12.0	C273	5KC45NG441X	266	30	12.08	A
		115/230	56	Ball	M	12.0	C274	5KC45NG441Y	272	30	12.08	A
	1725	115/230	56	Ball	N	13.2	C275	5KC47UG694	332	40	12.60	
		115/230	56	Ball	A	13.2	C276	5KC47UG694X	340	40	12.60	
		115/230	56	Ball	M	13.2	C277	5KC47UG694Y	346	40	12.60	
		115/230	143T	Ball	N	13.2	C295	5KC47UG6003	340	40	12.97	
1 1/2	3450	115/230	56	Ball	N	16.4	C278	5KC48SG275	330	37	13.41	A
		115/230	56	Ball	A	16.4	C279	5KC48SG275X	338	37	13.41	A
		115/230	56	Ball	M	16.4	C280	5KC48SG275U	344	37	13.41	A
	1725	115/230	56H	Ball	N	14.8	C281	5KC49ZG522	384	48	13.91	④
		115/230	56H	Ball	A	14.8	C282	5KC49ZG522X	392	48	13.91	④
		115/230	56H	Ball	M	14.8	C283	5KC49ZG522U	398	48	13.91	④
		115/230	145T	Ball	N	14.8	C297	5KC49ZG6004	392	49	14.85	④
2	3450	115/230	56	Ball	M	17.8	C284	5KC49TG1031U	416	41	13.91	④
	1725	115/230	182T	Ball	N	24.8	C300	5KC182BL201	542	57	14.56	①
3	1725	115/230	184T	Ball	N	34.0	C301	5KC184BL201	668	69	15.56	①
5	1725	230	184T	Ball	N	23.0	C472	5KC184BL2006	980	83	15.56	②①
<b>Resilent Base</b>												
1/4	1725	115	48	Slv.	A	5.4	C246	5KC32GN12X	172	17	9.92	
		115/230	48	Slv.	N	5.4	C247	5KC32GN13	174	17	9.92	
1/3	1725	115/230	56	Slv.	N	6.0	C286	5KC35MN44	208	21	10.93	
1/2	1725	115/230	56	Slv.	N	8.2	C288	5KC37RN33	244	25	11.76	
		115/230	56	Slv.	A	8.2	C443	5KC37RN33X	252	25	11.76	
		115/230	56	Ball	A	8.2	C289	5KC37RN34X	268	25	11.76	
3/4	1725	115/230	56	Slv.	A	11.6	C463	5KC45RG1184X	306	36	12.55	
1	1725	115/230	56	Ball	N	13.2	C291	5KC47UG696	344	43	13.07	
		115/230	56	Ball	A	13.2	C292	5KC47UG696X	352	43	13.07	

④ Two mounted capacitors.

① Full-load amps @ 110V - 50 Hertz.

② Full-load amps @230V

① Cast Aluminum Construction with feet.

A Moderate starting torque

ROTATION: Shaft rotation easily reversed by electrical reconnection.

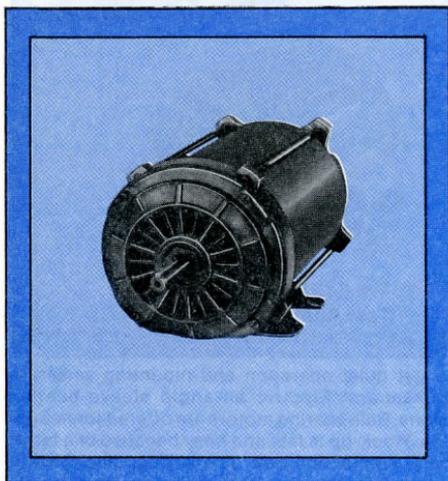
DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113



# SINGLE-PHASE MOTORS

## Explosion Proof — TEFC — 1.0 SF



**USES** — These explosion-proof motors are especially designed for general use and fan duty in hazardous locations (Class I, Group D and Class II, Groups E, F and G atmospheres). They're ideal for such locations as dry-cleaning and dyeing plants, paint and varnish factories, alcohol and acetone plants, gasoline refineries, flour and feed mills, grain elevators, starch, sugar, coke or coal plants, and other places requiring motors that meet the National Electric Code and to be UL listed for hazardous locations. For NEC definition of Classes and Groups, see "Installation and Maintenance of Motors" section of this catalog.

These motors feature strong ball bearings protected by a high-quality grease that resists moisture. The base is rigidly welded to the motor shell for extra strength. Long, 24-inch leads are easy to connect for either rotation. Motors are designed for continuous operation and are UL listed.

Additional information on explosive atmospheres is described on page 113.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Split-phase, Type KH

1/12	1725	115	48	Ball	A	1.9	H125	5KH39EN23X	\$278	15	9.40	★
1/8	1140	115	48	Ball	A	3.0	H126	5KH35NN111X	314	22	10.76	★
1/6	1725	115	48	Ball	A	3.2	H127	5KH32LN164X	278	19	10.13	★
	1140	115	56	Ball	A	4.1	H128	5KH37SN30X	368	24	11.97	★
1/4	1725	115	48	Ball	A	4.4	H129	5KH35PN202X	286	22	10.76	★

### Capacitor-Start, Type KC

1/4	1725	115/230	48	Ball	A	4.2	C303	5KC35PN96X	330	18	10.76	★
	1140	115	56	Ball	A	5.8	C304	5KC45MG1380X	440	30	13.59	
		115/230	56	Ball	A	5.8	C506	5KC45MG1381X	448	30	13.59	
1/3	1725	115/230	56	Ball	A	6.2	C305	5KC43HG2322X	380	26	13.11	①
	1425	110/220	56	Ball	A	6.2	C470	5KC43JG2323X	404	28	13.11	
	1140	115/230	56	Ball	A	7.4	C306	5KC47PG1211X	484	34	14.11	
1/2	3450	115/230	56	Ball	A	7.6	C307	5KC49FG1101X	360	24	11.84	①
	1725	115/230	56	Ball	A	7.8	C308	5KC45MG1382X	416	30	13.59	
	1425	110/220	56	Ball	A	8.4	C471	5KC45NG1378X	440	32	13.59	
	1140	115/230	56	Ball	A	9.4	C309	5KC48UG711X	560	41	14.92	
3/4	1725	115/230	56	Ball	A	10.8	C311	5KC47PG1247X	470	35	14.11	
1	1725	115/230	56	Ball	A	13.2	C312	5KC48UG741X	500	42	14.92	

★ Motor has nonventilated enclosure. All other motors are totally enclosed, fan-cooled.

① Full Load Amps @ 110V-50Hz

**CAUTION:** These motors have an internal over-temperature circuit-interrupting device. If the device trips, it will automatically reset after the motor cools. If this automatic restarting could cause a hazard, use a motor or control circuit with a manual reset device.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

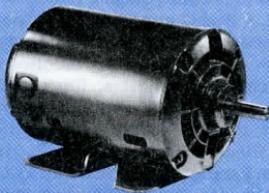
**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK



# THREE-PHASE MOTORS

## Open — Type K — NEMA SF



**NEMA 56 to 145T Frame,  
Rolled Steel Shell**



**NEMA 182T to 445T Frame,  
Cast Aluminum Frame**

**USES** — These motors are well suited for dependable service on moderate to hard-to-start jobs and where high overload capacity is needed. Typical uses are pumps, compressors, fans, blowers, conveyors, machine tools, farm equipment, saws, lathes, and other applications where three-phase (poly-phase) power is available.

You get quiet operation and mounting versatility with General Electric all-angle sleeve-bearing designs. Ball-bearing motors are offered for heavier loads. Hook-up is fast and easy because of a large, roomy, connection box. The strong, steel base is rigidly secured to the stator housing. Models with cast-aluminum construction have integrally cast feet.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/4	1725	200	48	Slv.	N	1.6	K382	5K33GN46	\$152	13	9.19	§
		200	48	Ball	N	1.6	K383	5K33GN48	168	13	9.19	§
	1140	230/460	48	Slv.	N	1.4	K100	5K33GN1	152	13	9.19	D
		230/460	48	Slv.	A	1.4	K101	5K33GN1X	192	14	9.19	D
		230/460	48	Ball	N	1.4	K111	5K33GN2	168	14	9.19	D
		230/460	56	Ball	N	1.5	K112	5K35KN5	252	17	9.89	
1/3	3450	230/460	48	Slv.	N	1.7	K102	5K35FN1	132	14	9.57	D
		230/460	48	Ball	N	1.7	K113	5K35FN2	148	14	9.57	D
	1725	230/460	48	Ball	N	1.6	K527	5K35JN198	192	15	9.57	D
		230/460	56	Slv.	N	1.6	K103	5K35JN265	180	15	9.89	D
		230/460	56	Slv.	A	1.6	K104	5K35JN265X	220	15	9.89	D
	1140	230/460	56	Ball	N	1.6	K114	5K35JN259	196	15	9.89	D
230/460		56	Ball	N	1.7	K385	5K37PN49	268	21	10.72		
1/2	3450	230/460	48	Ball	N	2.0	K115	5K36JN2	160	16	10.00	D
		200	56	Slv.	N	2.5	K314	5K36MN50	206	17	10.32	§
	1725	200	56	Ball	N	2.5	K313	5K36MN52	222	17	10.32	§
		230/460	56	Slv.	N	2.2	K106	5K36MN3	206	17	10.32	D
	230/460	56	Slv.	A	2.2	K386	5K36MN3X	246	17	10.32	D	
		56	Ball	N	2.2	K116	5K36MN4	222	17	10.32	D	
	575	56	Slv.	N	0.8	K315	5K36MN51	206	17	10.32	▲	
		56	Ball	N	0.8	K387	5K36MN53	222	17	10.32	▲	
	1425	220/380	56	Slv.	N	2.3	K388	5K37PN54	230	20	10.72	■
		220/380	56	Ball	N	2.3	K318	5K37PN55	246	20	10.72	■
1140	230/460	56	Ball	N	2.6	K117	5K43MG2812	296	26	10.88		
3/4	3450	230/460	56	Slv.	N	2.6	K108	5K37MN3	184	18	10.72	D
		230/460	56	Ball	N	2.6	K118	5K37MN4	200	18	10.72	D
	1725	200	56	Slv.	N	3.4	K316	5K37PN44	232	20	10.72	§
		200	56	Ball	N	3.4	K391	5K37PN65	248	20	10.72	§
	230/460	56	Slv.	N	2.8	K109	5K37PN1	232	20	10.72	D	
		56	Ball	N	2.8	K119	5K37PN2	248	20	10.72	D	
	575	56	Ball	N	1.2	K392	5K37PN57	248	20	10.72	▲	
		230/460	56	Ball	N	3.2	K120	5K45PG952	306	28	11.36	
	1140	230/460	56	Ball	N	3.2	K514	5K45PG8001	314	31	11.73	
		230/460	143T	Ball	N	3.2	K402	5K49Z48129	454	50	14.26	

▲ Full-load amps @575V.  
 ■ Full-load amps @220V-50 Hertz.  
 § Full-load amps @200V.

D Nameplated for use on 208-230/460V.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113

28 **IN WAREHOUSE STOCK**

Continued on next page



# THREE-PHASE MOTORS

## Open — Type K — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes	
1	3450	230/460	56	Slv.	N	3.2	K110	5K38PN1	\$212	22	11.32	D	
		230/460	56	Ball	N	3.2	K121	5K38PN2	228	22	11.32	D	
	1725	200	56	Ball	N	3.7	K317	5K38SN56	254	25	11.32	\$	
		200	143T	Ball	N	4.0	K560	5K43MG8048	262	26	11.25	\$	
	1425	230/460	56	Ball	N	3.2	K122	5K38SN3	254	25	11.32	D	
		230/460	56	Ball	A	3.2	K123	5K38SN3X	294	25	11.32	D	
	1140	230/460	143T	Ball	N	3.6	K127	5K43MG8049	262	26	11.25	D	
		575	143T	Ball	N	1.5	K561	5K43MG8008	262	26	11.25	▲	
	850	220/380	143T	Ball	N	3.5	K404	5K45PG8044	286	32	11.73	■	
		200	145T	Ball	N	4.4	K562	5K45SG8000	338	35	12.25	\$	
	710	230/460	56H	Ball	N	3.8	K393	5K47SG703	330	32	11.88		
		230/460	145T	Ball	N	3.8	K128	5K47SG8001	338	34	12.25		
	1½	3450	230/460	56	Ball	N	4.4	K124	5K39RN34	280	24	11.85	
			230/460	143T	Ball	N	4.7	K129	5K45KG8010	288	27	11.73	
1725		200	145T	Ball	N	6.4	K394	5K45PG8003	290	32	11.73	\$	
		230/460	56H	Ball	N	5.6	K125	5K45PG973	282	32	11.36	D	
1425		230/460	145T	Ball	N	5.6	K130	5K45PG8004	290	32	11.73	D	
		575	145T	Ball	N	2.4	K563	5K45PG8005	290	30	11.73	▲	
1140		220/380	145T	Ball	N	4.8	K408	5K49SG8060	314	36	13.62	■	
		200	182T	Ball	N	6.0	K409	5K182AL3022	362	42	13.58	□ □	
850		230/460	182T	Ball	N	5.2	K144	5K182AL313	362	42	13.58	□ □	
		230/460	56	Ball	N	6.0	K126	5K48NG648	330	32	12.69	D	
2		3450	230/460	145T	Ball	N	6.0	K132	5K48NG8001	338	32	13.06	D
			200	145T	Ball	N	7.5	K565	5K49UG8000	318	39	14.26	\$
		1725	230/460	145T	Ball	N	6.6	K133	5K49UG8001	318	40	14.26	D
			575	145T	Ball	N	2.9	K566	5K49UG8002	318	39	14.26	▲
	1425	220/380	145T	Ball	N	6.4	K319	5K49UG8127	342	41	14.26	■	
		230/460	184T	Ball	N	6.6	K145	5K184AL313	390	47	14.58	□	
	3	3450	200	145T	Ball	N	9.7	K399	5K49TG8003	372	39	13.62	\$
			230/460	145T	Ball	N	8.4	K134	5K49TG8004	372	39	13.62	
		1725	230/460	145T	Ball	A	8.4	K401	5K49TG8004X	412	39	13.62	
			200	182T	Ball	N	10.6	K290	5K182AL2449	358	51	13.58	\$ □
		1425	230/460	145T	Ball	N	9.2	K135	5K49ZG8010	338	51	14.84	+
			230/460	182T	Ball	N	8.6	K140	5K182AL214	358	51	13.58	□ □
		850	575	182T	Ball	N	3.4	K411	5K182AL223	358	51	13.58	▲ □ □
			220/380	182T	Ball	N	9.2	K320	5K182AL222	418	52	13.58	■ □ □

† Outboard fan.

§ Full-load amps @200V.

▲ Full-load amps @575V.

■ Full-load amps @220V-50 Hertz.

□ Cast aluminum construction with feet.

D Nameplated for use on 208-230/460 volts.

ROTATION: Shaft rotation easily reversed by electrical connection.

DIMENSIONS: See page 106

Continued on next page

SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK



# THREE-PHASE MOTORS

## Open — Type K — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes	
5	3450	200	182T	Ball	N	16.4	K412	5K182AL1048	\$ 424	57	13.58	§ □	
		230/460	145T	Ball	N	13.0	K136	5K49ZG8013	404	52	14.84	† φ	
	1725	230/460	182T	Ball	N	13.4	K149	5K182AL5	424	57	13.58	□	
		200	184T	Ball	N	16.3	K291	5K184AL2337	398	62	14.58	§ □	
		230/460	184T	Ball	N	14.2	K141	5K184AL217	398	62	14.58	□	
		575	184T	Ball	N	5.7	K413	5K184AL225	398	62	14.58	▲ □	
7½	3450	220/380	184T	Ball	N	14.4	K414	5K184AL272	458	67	14.58	■ □	
		200	184T	Ball	N	21.6	K415	5K184AL1023	532	69	14.58	§ □	
	1750	230/460	184T	Ball	N	18.8	K150	5K184AL6	532	69	14.58	□	
		230/460	213T	Ball	N	10.3	S101	5K213AL205	408	76	17.31	λ L □	
	10	3550	230/460	213T	Ball	N	11.9	S102	5K213AL105	505	76	17.31	λ L □
			230/460	215T	Ball	N	13.6	S103	5K215AL205	516	85	17.31	λ L □
15	3550	230/460	215T	Ball	N	18.5	S104	5K215AL105	668	85	17.31	λ L □	
		230/460	254T	Ball	N	20.3	S105	5K254AL205	677	129	22.31	λ L □	
20	3550	230/460	254T	Ball	N	27.1	S106	5K254AL105	806	129	22.31	λ L □	
		230/460	256T	Ball	N	25.8	S108	5K256AL205	843	149	22.31	λ L □	
25	3550	230/460	256T	Ball	N	31.3	S109	5K256AL105	983	149	22.31	λ L □	
		230/460	284T	Ball	N	30.0	S110	5K284AL205	993	205	24.94	λ L □	
30	3550	230/460	284TS	Ball	N	37.2	S111	5K284AL115	1117	205	23.31	λ L □	
		230/460	286T	Ball	N	37.4	S112	5K286AL205	1160	230	24.94	λ L □	
40	3550	230/460	286TS	Ball	N	47.8	S113	5K286AL115	1520	230	23.31	λ L □	
		230/460	324T	Ball	N	50.4	S114	5K324AL205	1446	295	27.56	λ L □	
50	3550	230/460	324TS	Ball	N	61.1	S115	5K324AL115	1874	295	26.06	λ L □	
		230/460	326T	Ball	N	61.8	S116	5K326AL205	1688	335	27.56	λ L □	
60	3550	230/460	326TS	Ball	N	70.7	S117	5K326AL115	2245	335	26.06	λ L □	
		230/460	364T	Ball	N	74.9	S1181	5K364AL205	2125	547	29.69	λ L □	
75	3550	230/460	364TS	Ball	N	89.4	S1191	5K364AL115	2911	517	27.56	λ L □	
		230/460	365T	Ball	N	90.0	S1201	5K365AL205	2703	517	29.69	λ L □	
100	3550	230/460	365TS	Ball	N	114.0	S1211	5K365AL115	4002	517	27.56	λ L □	
		230/460	404T	Ball	N	122.0	S1221	5K404AL205	3483	803	34.06	λ L □	
125	3550	460	404TS	Ball	N	145.0	S1231	5K404AL118	4923	803	31.06	λ L □	
		460	405T	Ball	N	148.0	S1241	5K405AL208	4006	803	34.06	λ L □	
150	3550	460	405TS	Ball	N	173.0	S125	5K405AL118	6367	803	31.06	λ L □	
		460	444T	Ball	N	179.0	S126	5K444AL208	5760	1111	39.81	λ L □	
200	3550	460	444TS	Ball	N	223.0	S127	5K444AL118	8372	1111	36.06	λ L □	
		460	445T	Ball	N	234.0	S128	5K445AL208	7022	1111	39.81	λ L □	
250	3550	460	445TS	Ball	N	287.0	S129	5K445AL118	10032	1111	36.06	λ L □ φ	
		460	445T	Ball	N	296.0	S130	5K445AL209	8863	1111	39.81	λ L □ φ	

§ Full-load amps @200V.

□ Cast aluminum construction with feet.

† Outboard fan.

φ 1.0 service factor.

λ Full-load amps @460V.

▲ Full-load amps @575V.

■ Full-load amps @220V-50 hertz.

L GO-7ST Multiplier

ROTATION: Shaft rotation easily reversed by electrical reconnection.

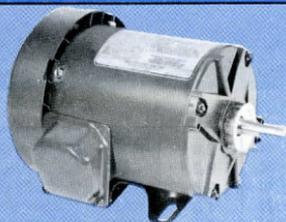
DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113

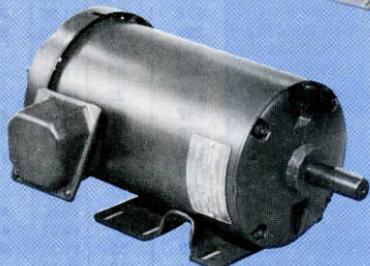


# THREE-PHASE MOTORS

## TEFC — Type K — 1.0 SF



**NEMA 48 Frame  
Rolled Steel Shell**



**NEMA 56, 143T, 145T Frame,  
Rolled Steel Shell**



**NEMA 182T to 445T Frame,  
Cast Aluminum Frame**

**USES** — These motors are ideal for machine tool and general uses where dust and dirt are prevalent. These polyphase motors have operating characteristics which enable them to operate any device which may be powered by equivalent rated single-phase motors. Some ideal uses are pumps, compressors, fans, blowers, conveyors, farm machinery, saws, and machine tools.

Highly effective cooling of the motor is afforded by an outboard fan. Easy access to motor leads makes connection fast. Heavy-duty ball bearings stand up to large loads from any direction. Bearings are also lubricated with a special grease for many years of normal operation without relubrication keeping maintenance at a minimum. Most fractional horsepower ratings combine a rugged rolled steel shell with a welded-on base while the integral ratings utilize a cast aluminum shell with cast-on feet.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @ 230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base

1/4	1725	200	48	Ball	N	1.6	K417	5K32GN52	\$192	16	9.92	§	
		230/460	48	Ball	N	1.4	K151	5K32GN30	192	16	9.92		
		230/460	56	Ball	N	1.4	K439	5K32GN117	196	16	10.30		
		575	48	Ball	N	0.6	K418	5K32GN53	192	16	9.92	▲	
1/3	1140	230/460	56	Ball	N	1.3	K321	5K35MN75	276	20	10.93		
		230/460	48	Ball	N	1.7	K153	5K33FN30	172	16	10.17		
		230/460	56	Ball	N	1.5	K154	5K33KN31	220	18	10.55		
		1425	220/380	56	Ball	N	1.7	K419	5K35MN87	244	19	10.93	■
1/2	1140	230/460	56	Ball	N	1.7	K155	5K36PN30	292	22	11.36		
		3450	230/460	48	Ball	N	2.0	K156	5K35JN30	184	18	10.55	
	1725	230/460	56	Ball	N	2.0	K157	5K35JN31	188	18	10.93		
		200	56	Ball	N	2.5	K420	5K35MN77	246	19	10.93	§	
	1425	230/460	56	Ball	N	2.4	K158	5K42HG2572	246	21	10.70		
			575	56	Ball	N	0.9	K426	5K35MN85	246	19	10.93	▲
			220/380	56	Ball	N	2.3	K322	5K36PN68	270	21	11.36	■
			1140	230/460	56	Ball	N	2.6	K159	5K43MG2814	320	26	11.60

§ Full-load amps @ 200V    ■ Full-load amps @ 220V - 50 Hertz  
▲ Full-load amps @ 575V

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

Continued on next page

**IN WAREHOUSE STOCK**



# THREE-PHASE MOTORS

## TEFC — Type K — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
3/4	3450	230/460	56	Ball	N	2.6	K160	5K37NN30	\$22-	21	11.76	
		200	56	Ball	N	3.2	K324	5K36PN249	272	21	11.36	§
		230/460	56	Ball	N	2.8	K161	5K36PN250	272	21	11.36	
	1425	220/380	56	Ball	N	1.3	K421	5K36PN251	272	21	11.36	▲
		230/460	56	Ball	N	2.8	K323	5K43MG2823	296	26	11.60	■
		230/460	56	Ball	N	3.2	K162	5K43PG2503	330	30	11.60	
1	3450	230/460	143T	Ball	N	3.2	K515	5K43PG8025	338	32	11.97	
		230/460	56	Ball	N	3.0	K163	5K38RN30	252	26	12.36	
		230/460	56	Ball	N	1.2	K532	5K38RN63	252	26	12.36	▲
	1725	200	56	Ball	N	4.1	K423	5K43MG5454	278	27	11.60	§
		200	143T	Ball	N	4.0	K571	5K43PG8050	286	27	11.97	§
		230/460	56	Ball	N	3.6	K164	5K43MG5455	278	27	11.60	
1 1/2	3450	230/460	143T	Ball	N	3.6	K171	5K43PG8051	286	27	11.97	
		230/460	56	Ball	N	1.5	K424	5K43MG5456	278	27	11.60	▲
		230/460	143T	Ball	N	1.5	K425	5K43MG8052	286	27	11.97	▲
	1425	220/380	143T	Ball	N	3.5	K430	5K43PG8065	310	32	11.97	■
		230/460	56H	Ball	N	3.6	K165	5K47UG704	354	38	12.60	
		230/460	145T	Ball	N	3.6	K173	5K47UG8004	362	39	12.97	
2	3450	230/460	56	Ball	N	4.8	K166	5K43KG2510	304	26	11.60	
		230/460	143T	Ball	N	4.8	K174	5K43KG8034	312	28	11.97	
		230/460	143T	Ball	N	5.6	K572	5K45SG8006	314	35	12.45	§
	1725	230/460	56H	Ball	N	4.8	K167	5K45SG1069	306	35	12.08	
		230/460	145T	Ball	N	4.8	K176	5K45SG8007	314	35	12.45	
		230/460	145T	Ball	N	2.0	K573	5K45SG8008	314	35	12.45	▲
3	3450	220/380	145T	Ball	N	4.9	K433	5K47UG8073	338	41	12.97	■
		230/460	182T	Ball	N	5.2	K188	5K182BL315	422	42	14.56	□
		230/460	56	Ball	N	5.2	K168	5K47SG753	354	36	12.60	
	1725	230/460	145T	Ball	N	5.2	K177	5K47SG8007	362	38	12.97	
		230/460	145T	Ball	N	7.5	K574	5K47UG8009	342	39	12.97	§
		230/460	145T	Ball	N	6.6	K179	5K47UG8010	342	39	12.97	
5	3450	230/460	145T	Ball	N	2.9	K575	5K47UG8011	342	39	12.97	▲
		220/380	145T	Ball	N	5.9	K434	5K49ZG8128	366	50	14.34	■
		230/460	184T	Ball	N	6.6	K189	5K184BL315	450	47	15.56	□
	1725	230/460	145T	Ball	N	8.0	K180	5K49ZG8016	372	49	14.85	
		230/460	182T	Ball	N	9.4	K192	5K182BL7	392	49	14.56	□
		230/460	182T	Ball	N	10.6	K293	5K182BL2448	418	51	14.56	§ □
7 1/2	3450	230/460	182T	Ball	N	8.6	K184	5K182BL218	418	51	14.56	□
		230/460	182T	Ball	N	3.4	K295	5K182BL224	418	51	14.56	▲ □
		230/460	182T	Ball	N	9.2	K435	5K182BL225	478	55	14.56	■ □
	1425	220/380	182T	Ball	N	13.8	K193	5K184BL8	484	59	15.56	□
		230/460	184T	Ball	N	5.8	K436	5K184BL9	484	59	15.56	▲ □
		230/460	184T	Ball	N	16.3	K437	5K184BL2442	458	62	15.56	§ □
10	3450	230/460	184T	Ball	N	14.2	K185	5K184BL220	458	62	15.56	□
		230/460	184T	Ball	N	5.7	K296	5K184BL226	458	62	15.56	▲ □
		230/460	184T	Ball	N	14.4	K438	5K184BL228	518	68	15.56	■ □
	1725	220/380	213T	Ball	N	9.9	S301	5K213BL105	494	85	19.88	λ □ L
		230/460	213T	Ball	N	9.8	S302	5K213BL205	494	85	19.88	λ □ L
		230/460	215T	Ball	N	12.2	S303	5K215BL105	592	93	19.88	λ □ L
15	3450	230/460	215T	Ball	N	13.7	S304	5K215BL205	614	93	19.88	λ □ L
		230/460	254T	Ball	N	18.0	S305	5K254BL105	800	134	25.31	λ □ L
		230/460	254T	Ball	N	18.0	S306	5K254BL205	811	134	25.31	λ □ L

▲ Full-load amps @575V      λ Full-load amps @460V  
 ■ Full-load amps @220V — 50 Hertz      L GO-7ST Multiplier  
 § Full-load amps @200V

Continued on next page

□ Cast aluminum construction with feet

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113



# THREE-PHASE MOTORS

## TEFC — Type K — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Solid Base</b>												
20	3550	230/460	256T	Ball	N	24.6	S307	5K256BL105	\$1079	157	25.31	Λ L □
	1750	230/460	256T	Ball	N	24.5	S308	5K256BL205	1025	157	25.31	Λ L □
25	3550	230/460	284TS	Ball	N	29.8	S309	5K284BL115	1325	220	26.94	Λ L □
	1750	230/460	284T	Ball	N	31.2	S310	5K284BL205	1230	220	28.31	Λ L □
30	3550	230/460	286TS	Ball	N	34.9	S311	5K286BL115	1461	250	26.94	Λ L □
	1750	230/460	286T	Ball	N	36.0	S312	5K286BL205	1494	250	28.31	Λ L □
40	3550	230/460	324TS	Ball	N	49.3	S313	5K324BL115	1917	330	30.25	Λ L □
	1750	230/460	324T	Ball	N	49.0	S314	5K324BL205	1932	330	31.75	Λ L □
50	3550	230/460	326TS	Ball	N	61.5	S315	5K326BL115	2658	385	30.25	Λ L □
	1750	230/460	326T	Ball	N	60.6	S316	5K326BL205	2487	385	31.75	Λ L □
60	3550	230/460	364TS	Ball	N	70.5	S3171	5K364BL115	3891	528	31.81	Λ L □
	1750	230/460	364T	Ball	N	73.9	S3181	5K364BL205	3734	528	33.94	Λ L □
75	3550	230/460	365TS	Ball	N	84.8	S3191	5K365BL115	4633	528	31.81	Λ L □
	1750	230/460	365T	Ball	N	89.5	S3201	5K365BL205	4773	528	33.94	Λ L □
100	3550	230/460	405TS	Ball	N	113.0	S3211	5K405BL115	6251	825	35.81	Λ L □
	1750	230/460	405T	Ball	N	117.0	S3221	5K405BL205	5756	825	38.81	Λ L □
125	3550	460	444TS	Ball	N	145.0	S323	5K444BL118	8714	1133	41.19	Λ L □
	1750	460	444T	Ball	N	152.0	S324	5K444BL208	7425	1133	44.94	Λ L □
150	3550	460	445TS	Ball	N	170.0	S325	5K445BL118	10437	1133	41.19	Λ L □
	1750	460	445T	Ball	N	176.0	S326	5K445BL208	9031	1133	44.94	Λ L □
200	3550	460	445TS	Ball	N	225.0	S327	5K445BL119	13042	1133	41.19	Λ L □
	1750	460	445T	Ball	N	232.0	S328	5K445BL209	10927	1133	44.94	Λ L □
250	3550	460	445TS	Ball	N	275.0	S329	5K445BL120	16178	1133	41.19	Λ L □
	1750	460	445T	Ball	N	286.0	S330	5K445BL210	13448	1133	44.94	Λ L □

□ Cast aluminum construction with feet

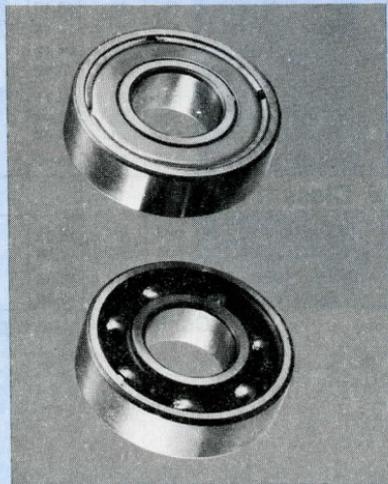
Λ Full-load amps @460V.

L GO-7ST Multiplier

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*



### RUGGED, PRECISION-MADE BALL BEARINGS

For those applications where heavy axial and radial thrust loads are encountered, motors of ball-bearing construction have been made available.

The rugged, precision-made, single-shielded ball bearings used in these motors are generous in size and easily capable of withstanding the thrusts and shocks encountered on heavy-duty industrial applications. Bearings are pre-loaded with spring washers to take end play out of the bearing and contribute to quieter operation. Carefully selected for high quality, these bearings are strong, and smooth running. They are firmly supported in the motor end shield by a steel sleeve insert.



# THREE-PHASE MOTORS

## Explosion-proof — TEFC — Type K — 1.0 SF



NEMA 48 through 145T



NEMA 182T through 445T Frame

**USES** — These explosion-proof motors are specially designed for general and fan-duty use in hazardous locations as noted. For NEC definition of classes and groups, see "Installation and Maintenance of Motors" section of this catalog. These motors are ideal for such locations as dry-cleaning and dyeing plants, paint and varnish factories, alcohol and acetone plants, gasoline refineries, hospitals and laboratories, flour and feed mills, grain elevators, starch, sugar, coke or coal plants, and other places requiring motors UL listed for hazardous locations.

These motors feature strong precision ball bearings lubricated with a high-quality grease that resists moisture. Leads are easy to connect for either rotation. Motors can run continuously.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Welded Base — Rolled Steel Shell — Class I (D) & Class II (E,F,G)

1/4	1725	230/460	48	Ball	A	1.2	K199	5K32GN39X	\$408	18	10.13	★
1/3	1725	230/460	56	Ball	A	1.2	K200	5K32NN41X	436	20	10.51	★
	1140	230/460	56	Ball	A	1.9	K201	5K42HG5119X	508	25	12.21	
1/2	1725	200	56	Ball	A	2.7	K533	5K42HG3998X	462	24	12.21	§
	1140	230/460	56	Ball	A	2.2	K203	5K42HG5074X	462	24	12.21	
3/4	1140	230/460	56	Ball	A	2.6	K204	5K49MG2067X	536	28	12.59	
	1725	200	56	Ball	A	3.6	K534	5K42KG5152X	488	27	12.21	§
	1140	230/460	56	Ball	A	3.0	K206	5K42KG5118X	488	26	12.21	
1	1140	230/460	56	Ball	A	3.2	K207	5K45SG1786X	546	37	13.59	
	3450	230/460	56	Ball	A	3.7	K208	5K42JG5149X	468	27	12.21	
	1725	230/460	56	Ball	A	3.1	K209	5K43PG5281X	494	33	13.11	
	1140	230/460	143T	Ball	A	3.6	K579	5K43PG8094EX	502	38	13.49	⑦
1 1/2	1140	230/460	56	Ball	A	3.6	K535	5K47UG1389X	570	40	14.11	⑦
	1140	230/460	145T	Ball	T	3.6	K298	5K47UG8076EV	578	46	14.49	
	1140	230/460	145T	Ball	T	4.2	K299	5K43PG8093EV	528	38	13.49	
	1725	230/460	56H	Ball	A	5.6	K536	5K43PG5292X	522	33	13.11	⑦
2	1140	230/460	145T	Ball	T	5.6	K211	5K43PG8095EV	530	38	13.49	
	3450	230/460	145T	Ball	T	5.2	K301	5K45SG8053EV	578	41	13.97	
	1725	230/460	145T	Ball	T	6.6	K212	5K47UG8077EV	558	46	14.49	

### Footed — Cast Iron Frame — Class I (D) & Class II (F,G)

3	3450	230/460	184T	Ball	T	8.6	K303	5K184CK1400P	692	101	15.56	
	1725	230/460	182T	Ball	T	9.2	K213	5K182CK265P	658	95	14.56	
5	3450	230/460	184T	Ball	T	13.8	K304	5K184CK20P	724	112	15.56	
	1725	230/460	184T	Ball	T	14.2	K214	5K184CK235P	698	115	15.56	

Continued on next page

§ Full-load amps @200V

★ Totally enclosed, non-ventilated

⑦ Class I, Group D; Class II, Groups E & F

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# THREE-PHASE MOTORS

## Explosion-proof — TEFC — Type K — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @460V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Footed — Cast Iron Frame — Class I (D) & Class II (F,G)

7½	1725	230/460	213T	Ball	T	10.3	S501	5K213CN2249P	\$ 727	197	18.06	⑨
10	1725	230/460	215T	Ball	T	13.6	S502	5K215CN2035P	847	232	19.56	⑨
15	1725	230/460	254T	Ball	T	20.3	S503	5K254CN205P	1085	302	21.81	⑨
20	1725	230/460	256T	Ball	T	25.8	S504	5K256CN205P	1299	352	23.56	⑨
25	1725	230/460	284T	Ball	T	31.0	S505	5K284CN205P	1652	430	24.56	⑨
30	1725	230/460	286T	Ball	T	37.4	S506	5K286CN205P	1916	483	26.06	⑨
40	1750	230/460	324T	Ball	T	50.4	S507	5K324CN205P	2550	605	27.19	⑨
50	1750	230/460	326T	Ball	T	61.8	S508	5K326CN205P	3105	682	28.69	⑨

### Footed — Cast Iron Frame — Class I (D) Only

7½	1750	230/460	213T	Ball	N	10.3	S550	5K213CN20277	640	197	18.06	⑨
10	1750	230/460	215T	Ball	N	13.6	S551	5K215CN20067	760	232	19.56	⑨
15	1750	230/460	254T	Ball	N	20.3	S552	5K254CN6683	997	302	21.81	⑨
20	1750	230/460	256T	Ball	N	25.8	S553	5K256CN6284	1211	352	23.56	⑨
25	1750	230/460	284T	Ball	N	31.0	S554	5K284CN2995	1513	430	24.56	⑨
30	1750	230/460	286T	Ball	N	37.4	S555	5K286CN6174	1777	483	26.06	⑨
40	1750	230/460	324T	Ball	N	50.4	S560	5K324CN6149	2348	605	27.19	⑨
50	1750	230/460	326T	Ball	N	61.8	S561	5K326CN2949	2903	682	28.69	⑨
60	1750	460	364T	Ball	N	74.9	S5621	5K364CN2561	4310	857	33.06	⑨
75	1750	460	365T	Ball	N	90.8	S5631	5K365CN2425	5349	990	34.06	⑨
100	1750	460	405T	Ball	N	122.0	S564	5K405CN2370	6528	1236	38.69	⑨
125	1750	460	444T	Ball	N	148.0	S565	5K444CN2457	8488	1650	42.63	⑨
150	1750	460	445T	Ball	N	179.0	S566	5K445CN2503	10094	1900	44.63	⑨

⑨ GO-7MN Multiplier

**CAUTION:** Motors in Frames 48 and 56 [Class I (D) and Class II (E,F,G)] have an internal over-temperature circuit interrupting device. If the device trips, it will automatically reset after the motor cools. If this automatic restarting could cause a hazard, use a motor or control circuit with a manual reset device.

Motors in Frames 145T-326T [Class I (D) and Class II (F,G)] have thermostats with leads brought out which, when properly wired to the external control circuit, will limit maximum frame temperature in accordance with Underwriters' Laboratories and The National Electrical Code.

Motors in Frames 213T-445T [Class I (D) only] are not equipped with an over-temperature device. Properly applied the maximum frame temperature will conform to Underwriters' Laboratories and the National Electrical Code specifications. Use of a motor control circuit with a manual reset device for motor overload protection is recommended.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK

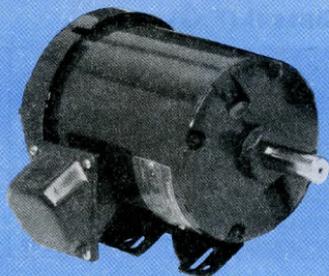
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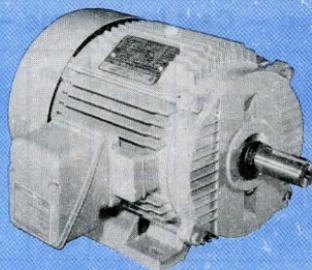
# SEVERE-DUTY MOTORS

## Single and Three Phase — TENV and TEFC — 1.15 SF

**Rolled Steel Shell**



**Cast Aluminum**



**USES:** These motors meet your needs under abnormal conditions. Typical applications involve motors for dairy and food-processing equipment, installations associated with plating equipment, mining equipment (not requiring explosion-proof construction), tropical applications, pumps or other devices located in unusually humid, wet salty, acidic, alkali or dirty locations. (Motors are not suitable for explosive and combustible-dust atmospheres — use explosion-proof construction.)

Certain environments such as are found in the process industries are so harsh that standard dripproof and enclosed motors are not recommended. For these applications, General Electric severe-duty motors are more than equal to the challenge. These motors are totally enclosed, with tight rabbet fits between the frame and endshields. This means windings, bearings, air gap and other internal parts are protected from corrosion.

Foreign material is kept out by a durable neoprene slinger on the motor shaft which throws off water or any contaminant before it reaches the bearing. And

the shaft slinger gets plenty of help from extra-long, close-running fits between the endshield and shaft. A gasket locks dust and moisture out of the conduit box, while a lead seal gasket between the box and the frame completely isolates the interior of the motor.

On rolled-steel shell ratings, a special sealing compound is used between the endshields and the motor stator. Every precaution has been taken to assure optimum motor performance in the most extreme environmental conditions. Other key features include rugged endshields, stainless-steel nameplate, a strong steel base and ball bearings that are factory lubricated for years of maintenance-free operation.

Epoxy-coating of rolled steel and aluminum motors provides additional protection against corrosion.

Cast-iron severe duty motors with alkyd enamel finish are also available for meeting certain chemical requirements in specific operations and geographical regions.

HP	RPM	Volts	NEMA Frame	Brg.	Ins.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Capacitor Start — TEFC — Rolled Steel Shell — Welded Base

1/4	1725	115/230	56	Ball	A	4.2	C389	5KC43MG1348	\$276	32	10.88	* $\phi$
1/3	1725	115/230	56	Ball	A	5.2	C390	5KC48SG188	294	39	12.69	* $\phi$
1/2	1725	115/230	56	Ball	A	7.8	C391	5KC43MG1350	330	33	11.62	$\phi$

$\phi$  1.0 service factor

\* Totally enclosed, non-ventilated.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

Continued on next page



# SEVERE-DUTY MOTORS

## Single and Three Phase — TENV and TEFC — 1.15 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Ins.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	"C" Dim.	Foot-Notes
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### Three Phase — TEFC — Cast Aluminum Frame — Foot Mounted

1/3	1725	230/460	56	Ball	B	1.5	K264	5K42FG2832	\$294	25	9.98	* E φ
1/2	1725	230/460	56	Ball	B	1.9	K265	5K43HG3012	320	27	10.88	* E φ
3/4	1725	230/460	56	Ball	B	2.2	K266	5K47SG817	346	38	11.88	* E φ
	1140	230/460	143T	Ball	B	3.0	K347	5K43PG8067	412	37	11.97	Δ E
1	1725	230/460	143T	Ball	B	3.6	K348	5K43PG8066	360	37	11.97	Δ E
	1140	230/460	145T	Ball	B	3.7	K349	5K47UG8052	436	46	12.95	Δ E
1½	3450	230/460	143T	Ball	B	4.2	K350	5K45PG8030	386	37	12.45	Δ E
	1725	230/460	145T	Ball	B	4.4	K351	5K47UG8050	388	46	12.97	Δ E
	1140	230/460	182T	Ball	B	5.2	K364	5K182BS301	538	51	14.56	Δ E
2	3450	230/460	145T	Ball	B	5.6	K353	5K47SG8051	436	41	12.97	Δ E
	1725	230/460	145T	Ball	B	6.4	K354	5K49ZG8090	416	55	14.44	Δ E
	1140	230/460	184T	Ball	B	6.6	K309	5K184BS301	566	53	15.56	Δ
3	3450	230/460	182T	Ball	B	8.6	K366	5K182BS1	568	61	14.56	Δ
	1725	230/460	182T	Ball	B	9.2	K310	5K182BS201	534	59	14.56	Δ
5	3450	230/460	184T	Ball	B	12.6	K367	5K184BS1	600	77	15.56	Δ
	1725	230/460	184T	Ball	B	13.0	K311	5K184BS201	574	83	15.56	Δ
7½	3550	460	213T	Ball	F	10.5	S701	5K213SL108	540	85	19.88	Δ ⊗ λ
	1750	460	213T	Ball	F	10.4	S702	5K213SL208	540	85	19.88	Δ ⊗ λ
10	3550	460	215T	Ball	F	13.0	S703	5K215SL108	642	100	19.88	Δ ⊗ λ
	1750	460	215T	Ball	F	13.0	S704	5K215SL208	665	100	19.88	Δ ⊗ λ
15	3550	460	254T	Ball	F	18.6	S705	5K254SL108	868	155	25.31	Δ ⊗ λ
	1750	460	254T	Ball	F	19.8	S706	5K254SL208	879	155	25.31	Δ ⊗ λ
20	1750	460	256T	Ball	F	24.6	S707	5K256SL208	1102	190	25.31	Δ ⊗ λ
25	1750	460	284T	Ball	F	29.9	S708	5K284SL208	1321	220	28.31	Δ ⊗ λ
30	1750	460	286T	Ball	F	35.0	S709	5K286SL208	1596	250	28.31	Δ ⊗ λ
40	1750	460	324T	Ball	F	47.5	S710	5K324SL208	2056	330	31.75	Δ ⊗ λ
50	1750	460	326T	Ball	F	58.5	S711	5K326SL208	2633	385	31.75	Δ ⊗ λ
60	1750	460	364T	Ball	F	76.0	S712	5K364SL208	3961	528	33.94	Δ ⊗ λ
75	1750	460	365T	Ball	F	90.2	S713	5K365SL208	5042	528	33.94	Δ ⊗ λ
100	1750	460	405T	Ball	F	120.0	S714	5K405SL208	6142	825	38.81	Δ ⊗ λ
125	1750	460	444T	Ball	F	147.0	S715	5K444SL208	7930	1133	44.94	Δ ⊗ λ
150	1750	460	445T	Ball	F	170.0	S716	5K445SL208	9600	1133	44.94	Δ ⊗ λ
200	1750	460	445T	Ball	F	225.0	S717	5K445SL209	11572	1133	44.94	Δ ⊗ λ

### Three Phase — TEFC — Cast Iron Frame — Foot Mounted

1½	1140	230/460	182T	Ball	F	5.6	K339	5K182BK3050	\$ 538	72	14.56	Δ
2	1140	230/460	184T	Ball	F	6.8	K342	5K184BK3019	566	79	15.56	Δ
3	3450	230.460	182T	Ball	F	8.6	K343	5K182BK1172	568	79	14.56	Δ
	1725	230.460	182T	Ball	F	8.8	K344	5K182BK2714	534	77	14.56	Δ
5	3450	230/460	184T	Ball	F	12.8	K345	5K184BK1098	600	104	15.56	Δ
	1725	230/460	184T	Ball	F	13.0	K346	5K184BK2304	574	102	15.56	Δ

λ Full-load amps @ 460V.

⊗ GO-7MN Multiplier

Δ Suitable for 40°C ambient 1.15 SF or 65°C ambient 1.0 SF

E Rolled steel construction with welded base.

\* Totally enclosed non-ventilated.

φ 1.0 service factor

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113



# THREE-PHASE MOTORS

## TENV — Type K — 1.0 SF



**USES** — Built to eliminate clogged fan problems, these motors are well suited for operation in the lint-laden atmospheres of the textile industry and for other industrial uses having similar environmental conditions.

Built to handle heavy thrust loads, these three-phase motors have carefully selected, single-shielded ball bearings which are lubricated with a high quality grease that is resistant to oxidation and moisture. These precision bearings are lubricated for 10 years normal operation.

You'll find the built-in connection box spacious. The leads are readily available for fast electrical connection. And, the shell conduit opening is threaded for quick attachment of the conduit connector. The strong, steel base, securely welded to the shell, will withstand shock and vibration. Type K totally enclosed, non-ventilated motors are rated for continuous duty in 40°C Ambient.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/4	1725	230/460	48	Ball	N	0.6	K194	5K33KN92	\$184	14	9.19	
	1140	230/460	56	Ball	N	0.6	K516	5K42HG2827	276	21	9.98	
1/3	1725	230/460	48	Ball	N	0.8	K577	5K35MN92	226	15	9.57	
		230/460	56	Ball	N	1.4	K196	5K42FG2829	230	20	9.98	
1/2	1725	230/460	56	Ball	N	1.9	K197	5K42HG2835	256	21	9.98	
	1725	230/460	56	Ball	N	2.6	K198	5K45SG1095	262	32	11.36	
3/4		575	56	Ball	N	1.1	K576	5K45SG1096	262	33	11.36	▲

▲ Full-load amps @575V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

### POLYESTER INSULATION RESISTS MOISTURE

Polyester film is an extremely tough, amazingly water-resistant modern synthetic.

The remarkable physical, electrical, thermal, and chemical characteristics of this material make it ideal for fractional-horsepower motor insulation.

The moisture resistance of polyester film is tested to be 35 times greater than that of the ordinary paper insulation used in motors of less advanced design. It will absorb less than one-half of one per cent moisture when submerged.



**SAFETY PRECAUTIONS:** See page 113



# BRAKE MOTORS

## Three-Phase — TEFC — 1.0 SF



**USES — Brake motors are ideal for applications requiring braking and holding action at stand-still. Typical applications are conveyors, index mechanism, machine tools and commercial and industrial overhead doors requiring the stopping or holding of loads in position.**

The unified design of General Electric brake motors makes the brake and motor an integral unit eliminating the need to purchase and assemble individual components. Brakes are selected to develop a minimum of 100% motor full load torque. The magnetic

brake is spring set and electrically released. It automatically sets in event of power failure. When necessary the brake can be released manually without application of power. Brake motors must always be properly applied to assure safety. If injury could result from overhauling loads, additional means must be provided to protect personnel. These brake motors are available in rolled steel and die-cast aluminum frame industrial designs for heavy reliable duty.

HP	RPM	Volts	NEMA Frame	Brg.	Brake Size (Ft. lbs.)	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Welded Base

1/2	1725	230/460	56	Ball	3	2.4	K456	5K42HG2701	\$410	33	15.97	
	1140	230/460	56	Ball	3	1.3	K526	5K43MG2915	484	39	16.87	
3/4	1725	230/460	56	Ball	3	3.0	K458	5K43KG2917	436	36	16.87	
	1	1725	230/460	56	Ball	3	3.8	K459	5K43MG2648	442	39	16.87
143T				Ball	3	3.8	K461	5K43MG8090	450	47	17.19	
2	1725	230/460	145T	Ball	6	6.6	K464	5K47UG8074	520	54	18.19	
			182T	Ball	10	6.6	K467	5K182KL2061	638	77	20.81	□
5	1725	230/460	184T	Ball	15	14.2	K468	5K184KL2021	798	84	22.18	□
			213T	Ball	25	9.8	S900	5K213KN2047	1036	160	19.88	⑨ ▲ □
10	1750	230/460	215T	Ball	35	13.7	S901	5K215KN6218	1232	175	19.88	⑨ ▲ □
			254T	Ball	50	25.2	S902	5K254KN2515	1563	240	25.31	⑨ ▲ □

### NEMA "C" Face — Round Frame

1/2	1725	230/460	56C	Ball	3	2.4	K457	5K42HG2931	418	32	16.01	
3/4	1725	230/460	56C	Ball	3	3.0	K460	5K43KG3252	444	36	16.96	
2	1725	230/460	145TC	Ball	6	6.6	K466	5K47UG8075	530	54	18.46	

⑨ GO-7MN Multiplier

▲ Full-load amps @460V.

□ Cast aluminum construction with feet

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See pages 106 and 107

**SAFETY PRECAUTIONS:** See page 113

# GE NEMA "C" FACE — ROUND FRAME

## Single-Phase — OPEN and TEFC — NEMA and 1.0 SF

**USES** — These end-mounted motors are designed specifically to provide the reliable uninterrupted operation of industrial and commercial pumps, centrifugal and hydraulic pumps, industrial compressors and other direct-connected, hard-to-start devices requiring NEMA C end-mounted motors.

These motors, open and totally enclosed, offer NEMA C-face mounting and are excellent for either vertical or horizontal use. Heavy-duty ball bearings are factory lubricated for ten years normal operation. Open motors are dripproof in horizontal position. Drip cover is available for vertical mounting. Enclosed motors are built for operation in extremely dirty, dusty, or other unfavorable atmospheric conditions and have an outboard fan for effective cooling. Wiring is designed for fast, easy connection. UL recognized automatic-reset thermal protection is available on some models. NEMA 56C frame models have a standard shaft with keyway. All motors conform to NEMA standards.

These motors, open and totally enclosed, offer NEMA C-face mounting and are excellent for either vertical or horizontal use. Heavy-duty ball bearings are factory lubricated for ten years normal operation. Open motors are dripproof in horizontal position. Drip cover is available for vertical mounting. Enclosed motors are built for operation in extremely dirty, dusty, or other unfavorable atmospheric conditions and have an outboard fan for effective cooling. Wiring is designed for fast, easy connection. UL recognized automatic-reset thermal protection is available on some models. NEMA 56C frame models have a standard shaft with keyway. All motors conform to NEMA standards.



HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Capacitor-Start, Type KC — OPEN — NEMA SF

1/4	1725	115	56C	Ball	A	5.2	C353	5KC35JN69X	\$174	15	9.88	
		115/230	56C	Ball	A	5.2	C354	5KC35JN70X	184	15	9.88	
1/3	1725	115/230	56C	Ball	N	6.6	C355	5KC36LN83	206	16	10.31	
		115/230	56C	Ball	A	6.6	C356	5KC36LN83X	214	16	10.31	
1/2	1725	115/230	56C	Ball	N	9.2	C358	5KC37NN76	242	19	10.71	
		115/230	56C	Ball	A	9.2	C359	5KC37NN76X	250	19	10.71	
3/4	1725	115/230	56C	Ball	N	12.0	C361	5KC39UN47	296	26	11.84	
		115/230	56C	Ball	A	12.0	C362	5KC39UN47X	304	26	11.84	
1	1725	115/230	56C	Ball	A	13.8	C363	5KC47RG736X	326	32	11.83	
1 1/2	1725	115/230	56C	Ball	A	18.6	C364	5KC49WG528X	378	42	13.84	

### Split-Phase, Type KH — TEFC — 1.0 SF

1/6	1725	115	56C	Ball	N	4.0	H244	5KH32EN124	148	10	10.30	
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### Capacitor-Start, Type KC — TEFC — 1.0 SF

1/4	1725	115	56C	Ball	N	5.4	C365	5KC32GN24	192	16	10.30	
		115/230	56C	Ball	N	5.4	C366	5KC32GN25	200	16	10.30	
1/3	1725	115/230	56C	Ball	N	6.0	C367	5KC35MN73	230	19	10.93	
1/2	1725	115/230	56C	Ball	N	8.2	C368	5KC37RN81	266	23	11.76	
		115/230	56C	Ball	A	8.2	C446	5KC37RN81X	274	23	11.76	
3/4	1725	115/320	56C	Ball	N	11.6	C369	5KC45RG1181	320	33	12.08	
1	1725	115/230	56C	Ball	N	13.2	C370	5KC47UG695	342	40	12.60	
1 1/2	1725	115/230	56C	Ball	N	14.8	C371	5KC49ZG530	394	47	13.94	

**MOUNTING:** Motors have NEMA standard shaft with keyway.

**ROTATION:** Standard rotation is clockwise. Reconnectable for CCW rotation.

**DIMENSIONS:** See page 107

### Accessories

Accessory	Rating	Catalog No.	List Price
Drip cover with mounting screw for open motors	Up to 1 hp 1 & 1 1/2 hp	161L106CB1 161L106DA3	\$10 10

**SAFETY PRECAUTIONS:** See page 113

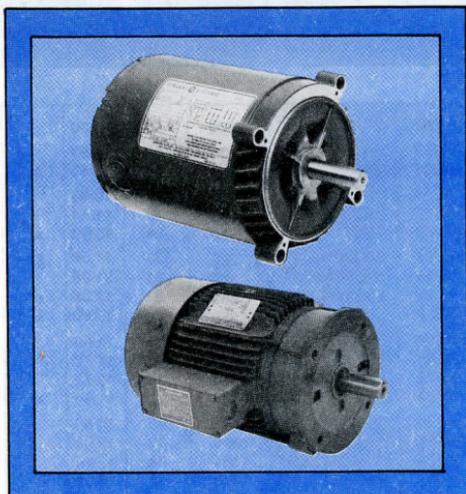


# NEMA "C" FACE — ROUND FRAME

## Three-Phase — OPEN and TEFC — NEMA and 1.0 SF

**USES** — These motors are specially designed for your uses on industrial and commercial pumps, centrifugal and hydraulic pumps, industrial compressors, machine tools, speed reducers and for

applications requiring three-phase NEMA C end mounting. The TEFC design is ideal for uses where dust, dirt and other unfavorable conditions are prevalent. (In high-moisture or acid-fume areas, use severe-duty motors.)



You can rely on the high quality and low maintenance of these end-mounted motors for your particular needs. The carefully selected, heavy-duty ball bearings will take heavy loads, and are factory lubricated for ten years of normal operation. Extra-quality grease provides resistance to moisture. Low maintenance is also assured by a special treatment of the shaft designed to prevent corrosion. For your convenience, the large, roomy connection box allows easy access to motor leads for fast connection. All models meet NEMA standards. A dependable ventilation system keeps the motor temperature within optimum operating range for long life and continuous operation in 40°C ambients. When mounted horizontally, the open motor offers dripproof construction. For vertical mountings, drip covers are available. The tough, durable totally enclosed construction protects against the entry of foreign particles and airborne abrasives.

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Three Phase, Type K — OPEN — NEMA SF

1/4	1725	230/460	56C	Ball	1.4	K247	5K33GN44	\$182	13	9.50	
1/3	1725	230/460	56C	Ball	1.5	K248	5K35KN50	206	17	9.88	
1/2	1725	230/460	56C	Ball	2.2	K249	5K36MN48	232	18	10.31	
		230/460	56J	Ball	2.2	K553	5K36MN77	244	16	10.82	
3/4	1725	200	56J	Ball	3.2	K554	5K37PN69	270	18	11.22	§
		230/460	56C	Ball	2.8	K250	5K37PN35	258	20	10.71	
		230/460	56J	Ball	3.0	K555	5K37PN70	270	18	11.22	
1	1725	230/460	56C	Ball	3.2	K251	5K38SN45	264	21	11.31	
		230/460	143TC	Ball	3.6	K471	5K43MG8071	272	26	10.84	
1½	1725	230/460	56C	Ball	5.6	K521	5K45PG974	292	29	11.31	
		230/460	145TC	Ball	5.6	K327	5K45PG8033	300	30	11.32	
2	1725	230/460	145TC	Ball	6.6	K472	5K49UG8094	328	38	13.85	
3	1725	230/460	182TC	Ball	8.6	K473	5K182DL229	406	58	14.33	B
5	1725	230/460	184TC	Ball	14.2	K474	5K184DL233	446	68	15.33	B

B Cast aluminum construction

§ Full-load amps @200V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 107

Continued on next page

**SAFETY PRECAUTIONS:** See page 107



# NEMA "C" FACE — ROUND FRAME

## Three-Phase — OPEN and TEFC — NEMA and 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Three-Phase, Type K — TEFC — 1.0SF

1/4	1725	230/460	56C	Ball	N	1.4	K252	5K32GN36	\$206	16	10.30	
1/3	1725	230/460	56C	Ball	N	1.5	K253	5K33KN42	230	18	10.55	
		575	56C	Ball	N	0.6	K522	5K33KN67	230	14	10.55	▲
1/2	1725	230/460	56C	Ball	N	2.2	K254	5K35MN48	256	19	10.93	
		230/460	56J	Ball	N	2.2	K550	5K35MN99	268	19	11.44	
		575	56C	Ball	N	0.9	K469	5K35MN86	256	18	10.93	▲
3/4	1725	200	56C	Ball	N	3.2	K551	5K36PN252	282	21	11.36	§
		230/460	56C	Ball	N	2.8	K255	5K36PN253	282	21	11.36	
		575	56C	Ball	N	1.3	K523	5K36PN254	282	21	11.36	▲
	1425	220/380	56C	Ball	N	2.3	K552	5K43MG2876	306	26	11.60	■
1	1725	230/460	56C	Ball	N	3.6	K256	5K43MG5462	288	28	11.60	
		230/460	143TC	Ball	N	3.6	K328	5K43MG8073	296	28	11.72	
	1140	230/460	145TC	Ball	N	3.6	K476	5K47UG8054	372	37	12.72	
		575	56C	Ball	N	1.7	K524	5K43MG5464	364	27	11.60	▲
1½	3450	230/460	56C	Ball	N	4.7	K235	5K43KG2589	314	26	11.60	
	1725	230/460	56C	Ball	N	4.8	K257	5K45SG1071	316	33	12.08	
		230/460	145TC	Ball	N	4.8	K329	5K45SG8035	324	34	12.24	
	1140	230/460	182TC	Ball	N	5.2	K478	5K182FL3107	470	51	15.31	B
2	3450	230/460	56C	Ball	N	5.2	K237	5K47SG756	364	36	12.60	
	1725	230/460	145TC	Ball	N	6.6	K330	5K47UG8056	352	38	12.72	
3	1725	230/460	182TC	Ball	N	8.6	K331	5K182FL226	466	60	15.31	B
5	1725	230/460	184TC	Ball	N	14.2	K332	5K184FL230	506	69	16.31	B

B Cast aluminum construction

▲ Full-load amps @575V

▲ Full-load amps @200V

§ Full-load amps @220V-50 Hertz

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 107

SAFETY PRECAUTIONS: See page 113

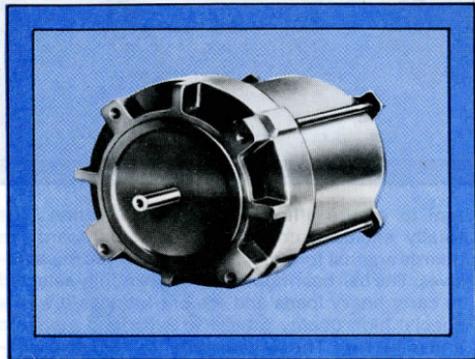


# EXPLOSION-PROOF — NEMA "C" FACE — ROUND FRAME

## Single and Three-Phase — TEFC and TENV — 1.0 SF

**USES** — These explosion-proof motors are specially designed for general and fan duty use in hazardous locations Class I, Group D and Class II, Groups E, F and G atmospheres, except where noted. For NEC definition of Classes and Groups, see "Installation and Maintenance of Motors" section of this catalog.

These motors are ideal for such locations as drycleaning and dyeing plants, paint and varnish factories, alcohol and acetone plants, gasoline refineries, hospitals and laboratories, flour and feed mills, grain elevators, starch, sugar, coke or coal plants, and other places requiring motors UL listed for hazardous locations.



Featured is an enclosure with specially designed endshields utilizing special machining and construction techniques to assure conformance to UL specifications for explosion-proof motors. All these models are UL listed for hazardous locations and also meet NEMA standards. These motors feature precision ball bearings, lubricated with a high-quality grease that resists moisture. They may be conveniently end-mounted for your particular drive application. Long leads are easy to connect for either rotation. Motors can run continuously in 40°C ambient. Models are totally enclosed, fan-cooled, or totally enclosed non-ventilated for long motor life. Motors are equipped with UL recognized automatic-reset thermal protection.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Capacitor-Start, Type KC — Class I (D) and Class II (E,F,G)

1/4	1725	115/230	56C	Ball	A	2.1	C377	5KC35PN79X	\$416	24	11.14	★
1/3	1725	115/230	56C	Ball	A	3.1	C378	5KC43HG2326X	446	32	13.73	
1/2	1725	115/230	56C	Ball	A	3.9	C379	5KC45MG1388X	482	35	14.21	
3/4	1725	115/230	56C	Ball	A	5.4	C380	5KC47PG1248X	500	40	14.73	

### Three Phase, Type K — Class I (D) and Class II (E,F,G)

1/3	1725	230/460	56C	Ball	A	1.2	K325	5K32NN118X	446	22	10.51	★
1/2	3450	230/460	56C	Ball	A	2.2	K483	5K49FG2080X	414	28	12.46	
	1725	230/460	56C	Ball	A	2.4	K326	5K42HG5180X	472	29	12.83	
3/4	1725	230/460	56C	Ball	A	3.0	K484	5K42KG5145X	498	31	12.83	
1	1725	230/460	56C	Ball	A	3.6	K485	5K43PG5291X	504	38	13.73	
1½	1725	230/460	56C	Ball	A	5.6	K486	5K43PG5348X	532	38	13.73	⑦

★ Totally enclosed, non-ventilated

⑦ Class I, Group D; Class II, Groups E & F

**CAUTION:** All motors listed above, have an internal over-temperature circuit-interrupting device. If the device trips, it will automatically reset after the motor cools. If this automatic restarting could cause a hazard, use a motor or control circuit with a manual reset device.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 107



# NEMA "C" FACE — FOOT MOUNTED

## Single and Three Phase — OPEN and TEFC — NEMA and 1.0 SF



Open



TEFC



TEFC

**USES** — These motors will meet the requirements of a wide variety of applications including industrial and commercial pumps, centrifugal and hydraulic pumps, industrial compressors, jet-pump water systems, machine tools, speed reducers and any other applications that require NEMA "C" type face and a solid or footed mounting. Use open dripproof construction for normal atmospheres or totally enclosed, fan-cooled designs for extremely dirty, dusty or corrosive conditions.

Versatility is the key advantage of these motors. You may choose a horizontal or vertical end-mounting or a solid footed mount for floor mounting. All motors are designed with an effective cooling sys-

tem to assure efficient, long-life operation. The totally enclosed construction with outboard fan guards against foreign particles and airborne abrasives. The ball bearings have been carefully selected to carry heavy loads and are pre-lubricated with a special high quality grease to withstand moisture and resist rust. The standard shaft is treated to withstand corrosion while the threaded shaft is made of stainless steel. Hook-up is easy too. The roomy connection box allows easy access to motor leads for fast connection. Automatic-reset thermal protection is available on some models. Open motors have NEMA service factors and enclosed motors have 1.0 service factors.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Capacitor-Start, Type KC — OPEN — NEMA SF

1/3	3450	115/230	56J	Ball	A	6.4	C342	5KC35FN52X	\$178	15	7.78	
	1725	115/230	56C	Ball	N	6.6	C372	5KC36LN88	210	18	10.31	
1/2	3450	115/230	56J	Ball	A	6.8	C343	5KC36JN86X	194	18	8.21	
	1725	115/230	56C	Ball	N	9.2	C373	5KC37NN88	246	20	10.71	

### Capacitor-Start, Type KC — TEFC — 1.0 SF

1/2	3450	115/230	56C	Ball	A	7.0	C444	5KC36LN144X	206	20	11.36	
	1725	115/230	56C	Ball	N	8.2	C375	5KC37RN89	270	24	11.76	
1	3450	115/230	56C	Ball	A	12.2	C445	5KC45NG536X	280	30	12.08	
	1725	115/230	56C	Ball	N	13.2	C376	5KC47UG715	346	40	12.60	

Continued on next page

**MOUNTING:** NEMA 56C frame motors have NEMA standard shaft with keyway. NEMA 56C frame motors rated 3450 rpm shipped without keys. Keys, if required, will be shipped in bulk. NEMA 56J motors have stainless steel shaft with threads.

**ROTATION:** NEMA 56J are connected for clockwise rotation facing opposite shaft end. All others are reversible by electrical connection.

**DIMENSIONS:** See page 107

**SAFETY PRECAUTIONS:** See page 113



# NEMA "C" FACE — FOOT MOUNTED

## Single and Three Phase — OPEN and TEFC —

### NEMA and 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Three-Phase, Type K — TEFC — 1.0 SF</b>												
3/4	3450	230/460	56C	Ball	N	2.6	K499	5K37NN196	\$238	18	11.76	
		230/460	56J	Ball	N	3.6	K244	5K37NN197	250	18	12.27	
1	3450	1725	230/460	56C	Ball	N	2.8	K258	5K36PN255	286	19	11.36
		1725	230/460	56C	Ball	N	3.0	K500	5K43JG3155	266	24	11.60
			230/460	56J	Ball	N	3.0	K245	5K43JG3359	278	24	12.11
1 1/2	3450	1725	230/460	56C	Ball	N	3.6	K259	5K43MG5501	292	27	11.60
		1725	230/460	143TC	Ball	N	3.6	K502	5K47MG8062	300	30	12.72
			230/460	56J	Ball	N	4.7	K246	5K43KG5598	330	27	12.11
2	3450	1725	230/460	56C	Ball	N	4.8	K260	5K45SG1186	320	35	12.08
		1140	230/460	145TC	Ball	N	4.8	K505	5K47SG8063	328	38	12.72
			230/460	56C	Ball	N	5.2	K501	5K47SG864	368	37	12.60
3	3450	1725	230/460	184TC	Ball	N	6.6	K261	5K47UG8055	356	39	12.72
		1725	230/460	184TC	Ball	N	6.6	K510	5K184KL348	498	58	16.31
			230/460	182TC	Ball	N	9.2	K509	5K182KL47	500	59	15.31
5	3450	1725	230/460	182TC	Ball	N	8.6	K262	5K182KL286	466	61	15.31
		1725	230/460	184TC	Ball	N	14.6	K511	5K184KL29	532	68	16.31
			230/460	184TC	Ball	N	14.2	K263	5K184KL289	506	71	16.31
7 1/2	1750	230/460	213TC	Ball	N	9.8	S6201	5K213KL217	570	116	20.56	Ⓞ λ ⊠
10	1750	230/460	215TC	Ball	N	13.7	S6211	5K215KL254	690	127	20.56	Ⓞ λ ⊠
15	1750	230/460	254TC	Ball	N	18.8	S6221	5K254KL218	910	190	25.81	Ⓞ λ ⊠
20	1750	230/460	256TC	Ball	N	25.2	S6231	5K256KL264	1124	215	25.81	Ⓞ λ ⊠
25	1750	230/460	284TC	Ball	N	30.1	S6241	5K284KL230	1370	301	28.32	Ⓞ λ ⊠
30	1750	230/460	286TC	Ball	N	35.8	S6251	5K286KL242	1634	334	28.32	Ⓞ λ ⊠

⊠ Cast aluminum construction with feet.

Ⓞ GO-7MN Multiplier

λ Full-load amps @460V

**MOUNTING:** NEMA 56C frame motors have NEMA standard shaft with keyway. NEMA 56C frame motors rated 3450 rpm shipped without keys. Keys, if required, will be shipped in bulk. NEMA 56J motors have stainless steel shaft with threads.

**ROTATION:** NEMA 56J should be connected for clockwise rotation facing opposite shaft end. All motors are reversible by electrical connection.

**DIMENSIONS:** See page 107

**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK

# GE CENTRIFUGAL PUMP MOTORS

## Single-Phase — OPEN and TEFC — End-Mounted — NEMA and 1.0 SF



Open



TEFC

**USES** — These motors are specially designed for dependable operation of industrial and commercial pumps, jet-pump water systems, centrifugal and hydraulic pumps, industrial compressors and many other hard-to-start uses where NEMA "C" face mounting is needed. The totally enclosed design is ideal where dust and dirt are prevalent.

These highly dependable motors run cool to give you long motor life. Wiring is made fast and simple by quick-connect tabs, large, easily accessible terminal board and threaded conduit hole. A large 16 cu. in. conduit box allows you to get to leads easily. Husky ball bearings can take heavy loads, and they are lubricated with a high-quality grease that resists

moisture to give you ten years normal service without relubrication. That means reliable performance and low maintenance. The open motor design offers drip-proof construction through 1 HP when mounted vertically or horizontally. Drip covers are available for vertical mounting of 1½ HP through 3 HP. (See accessories next page.) Totally enclosed construction effectively protects the motor from foreign matter. Standard shaft on NEMA 56C models is treated to withstand corrosion while the NEMA 56J models automatic-reset ve a stainless steel shaft. Motors offer automatic-reset thermal protection (optional on some totally enclosed models). Motors can operate continually in 40°C ambient.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Open

1/3	3450	115	56C	Ball	A	6.4	C327	5KC37FN70X	\$125	14	10.71	
		115/230	56C	Ball	A	6.4	C328	5KC37FN71X	133	14	10.71	
		115/230	56J	Ball	A	6.4	C329	5KC37FN65X	136	14	11.22	
1/2	3450	115/230	56C	Ball	A	7.6	C330	5KC36JN268X	145	15	10.31	
		115/230	56J	Ball	A	7.6	C331	5KC36JN269X	148	15	10.82	
3/4	3450	115/230	56C	Ball	A	11.2	C332	5KC39NN50X	171	19	11.84	
		115/230	56J	Ball	A	11.2	C333	5KC39NN51X	174	19	12.35	
1	3450	115/230	56C	Ball	A	13.2	C334	5KC39RN44X	191	22	12.58	
		115/230	56J	Ball	A	13.2	C335	5KC39RN45X	194	22	13.16	
1½	3450	115/230	56C	Ball	A	18.4	C336	5KC48NG848X	262	29	12.65	
		115/230	56J	Ball	A	18.4	C337	5KC48NG849X	274	29	13.15	
2	3450	115/230	56C	Ball	A	21.2	C338	5KC49TG325X	326	37	13.20	
		115/230	56J	Ball	A	21.2	C339	5KC49TG326X	338	37	13.70	
3	3450	115/230	56C	Ball	A	28.8	C340	5KC49ZG551T	516	50	14.92	5
		115/230	56J	Ball	A	28.8	C341	5KC49ZG550T	540	50	14.92	5

Motor has two capacitors and 16 cu. in. conduit box

**ROTATION:** NEMA 56J motors are connected for clockwise rotation, facing end opposite shaft, and are not reconnectable. NEMA 56C motors can be connected for either rotation.

**DIMENSIONS:** See page 107

**SAFETY PRECAUTIONS:** See page 113

Continued on next page

# GE CENTRIFUGAL PUMP MOTORS

## Single-Phase — OPEN and TEFC — End-Mounted — NEMA and 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Totally Enclosed, Fan-Cooled</b>												
1/3	3450	115/230	56C	Ball	A	5.6	C347	5KC33FN31X	\$186	17	10.55	
1/2	3450	115/230	56C	Ball	N	7.0	C348	5KC36LN166	194	19	11.36	
		115/230	56C	Ball	A	7.0	C349	5KC36LN166X	202	19	11.36	
		115/230	56J	Ball	A	7.0	C465	5KC36LN169X	214	19	11.87	
1	3450	115/230	56C	Ball	N	12.2	C350	5KC45NG446	268	32	12.08	
		115/230	56C	Ball	A	12.2	C351	5KC45NG446X	276	32	12.08	
		115/230	56J	Ball	A	12.2	C352	5KC45NG514X	288	32	12.59	
2	3450	115/230	56C	Ball	A	21.2	C466	5KC49TG1029T	420	41	13.94	5

5 Motor has two capacitors and 16 cu. in. conduit box.

**MOUNTING:** NEMA 56C frame motors have NEMA standard shaft with keyway. Motors shipped without keys. Keys, if required, will be shipped separately in bulk. NEMA 56J frame motors have NEMA stainless steel shaft with threads.

**SERVICE FACTORS:**

**OPEN:** 1/3 hp, 1.75; 1/2 hp, 1.6; 3/4 hp, 1.5; 1 hp, 1.4; 1 1/2 hp, 1.3; 2 hp, 1.2; 3 hp, 1.15.

**TEFC:** 1.0

**ROTATION:** NEMA 56J motors are connected for clockwise rotation, facing end opposite shaft, and are not reconnectable.

NEMA 56C motors can be connected for either rotation.

**DIMENSIONS:** See page 107

**Accessories:**

Accessory	Rating	Catalog No.	List Price
Drip cover with mounting screw for open motors	1 1/2 hp and above	161L106DA3	\$10

General Electric Motors offer many quality features...



**RUGGED, PRECISION-MADE BALL BEARINGS**

For those applications where heavy axial and radial thrust loads are encountered, motors of ball-bearing construction have been made available.

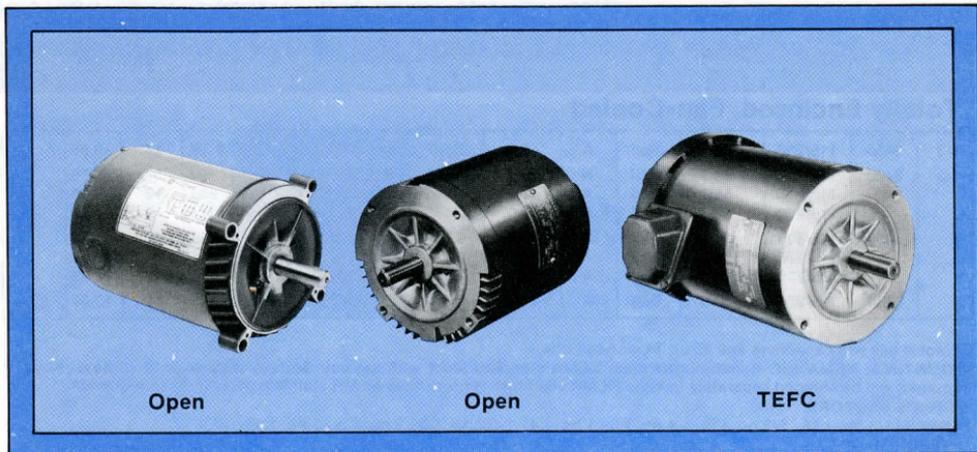
The rugged, precision-made, single-shielded ball bearings used in these motors are generous in size and easily capable of withstanding the thrusts and shocks encountered on heavy-duty industrial applications. Bearings are pre-loaded with spring washers to take end play out of the bearing and contribute to quieter operation. Carefully selected for high quality, these bearings are strong, and smooth running. They are firmly supported in the motor end shield by a steel sleeve insert.

**SAFETY PRECAUTIONS:** See page 113



# CENTRIFUGAL PUMP MOTORS

## Three-Phase — OPEN and TEFC — End-Mounted — NEMA and 1.0 SF



**USES** — These motors offer high performance in the operation of industrial and commercial pumps, jet-pump water systems, centrifugal and hydraulic pumps, industrial compressors, and many other uses where NEMA face mounting is needed, and three phase power is available. TEFC motors are most advantageous for operation in extremely dirty or dusty areas or unfavorable atmospheric conditions.

You can rely on the high quality and low maintenance of these centrifugal-pump motors for your particular needs. Carefully selected ball bearings take heavy loads, and are factory lubricated for ten years of normal operation. High-quality grease provides resistance to moisture. Low maintenance is

also assured by a special treatment of the shaft designed to prevent rust and corrosion on NEMA 56C models. NEMA 56J models have stainless-steel shafts with threads. The large roomy connection box allows easy access to motor leads for fast, easy reversible connection. All models meet NEMA standards. Dependable ventilation system keeps the motor cool. When mounted vertically or horizontally, the open motors through 1 HP offer drip-proof construction. Open ratings of 1½ HP and above are drip-proof when mounted horizontally. For vertical mountings, drip covers are available. The tough, durable totally enclosed construction protects against the entry of foreign particles and airborne abrasives.

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Open

1/3	3450	230/460	56C	Ball	1.7	K215	5K35FN55	\$162	13	9.88	
1/2	3450	230/460	56C	Ball	2.0	K216	5K36JN57	174	15	10.31	D
		230/460	56J	Ball	2.0	K217	5K36JN56	186	15	10.82	D
3/4	3450	230/460	56C	Ball	2.6	K218	5K37MN37	210	17	10.71	D
		230/460	56J	Ball	2.6	K219	5K37MN38	222	17	11.22	D
1	3450	230/460	56C	Ball	3.2	K220	5K38PN47	238	20	11.31	D
		230/460	56J	Ball	3.2	K221	5K38PN48	250	20	11.82	D
1½	3450	230/460	56C	Ball	4.7	K222	5K47KG746	290	25	11.83	D
		230/460	56J	Ball	4.7	K223	5K47KG748	302	25	12.34	D
2	3450	230/460	56C	Ball	6.0	K224	5K48NG666	340	30	12.65	D
		230/460	56J	Ball	6.0	K225	5K48NG668	352	30	13.15	D
3	3450	230/460	56C	Ball	8.4	K226	5K49TG746	374	36	13.20	
		230/460	56J	Ball	8.4	K227	5K49TG744	386	36	13.70	

D Nameplated for use on 208-230/460 Volts.

**DIMENSIONS:** See page 107.

**SAFETY PRECAUTIONS:** See page 113

Continued on next page



# CENTRIFUGAL PUMP MOTORS

## Three-Phase — OPEN and TEFC — End-Mounted — NEMA and 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Totally Enclosed, Fan-Cooled

1/3	3450	230/460	56C	Ball	1.7	K228	5K33FN41	186	16	10.55	
1/2	3450	230/460	56C	Ball	2.0	K229	5K35JN46	198	17	10.93	
		230/460	56J	Ball	2.0	K230	5K35JN47	210	17	11.44	
3/4	3450	230/460	56C	Ball	2.6	K231	5K37NN33	234	21	11.76	
		230/460	56J	Ball	2.6	K232	5K37NN34	246	21	12.27	
1	3450	230/460	56C	Ball	3.0	K233	5K38RN44	262	25	12.36	
		230/460	56J	Ball	3.0	K234	5K38RN49	274	25	12.87	
1½	3450	230/460	56C	Ball	4.7	K235	5K43KG2589	314	26	11.60	
		230/460	56J	Ball	4.7	K236	5K43KG2590	326	26	12.11	
2	3450	230/460	56C	Ball	5.2	K237	5K47SG756	364	36	12.60	
		230/460	56J	Ball	5.2	K238	5K47SG759	376	36	13.11	
3	3450	230/460	56C	Ball	8.0	K239	5K49ZG2290	398	48	13.94	
		230/460	56J	Ball	8.0	K240	5K49ZG2291	410	48	15.09	

**MOUNTING:** NEMA 56C frame motors have NEMA standard shaft with keyway. Motors shipped without keys. Keys, if required, will be shipped separately in bulk. NEMA 56J frame motors have NEMA stainless steel shaft with threads.

**SERVICE FACTORS:**

**OPEN:** 1/3 hp, 1.75; 1/2 hp, 1.6; 3/4 hp, 1.5; 1 hp, 1.4; 1½ hp, 1.3; 2 hp, 1.2; 3 hp, 1.15.

**TEFC:** 1.0

**ROTATION:** NEMA 56J motors should be connected for clockwise rotation, facing end opposite the shaft. NEMA 56C motors can be connected for either rotation.

**DIMENSIONS:** See page 107

### Accessories:

Accessory	Rating	Catalog No.	List Price
Drip cover with mounting screw for open motors	1½ hp and above	161L106DA3	\$10

**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



# CLOSE-COUPLED PUMP MOTORS

Three-Phase — Dripproof — NEMA "C" Face — "JM" or "JP" Shafts — Foot Mounted — NEMA SF



**USES** — These reliable "JP" and "JM" Close-Coupled Pump Motors are designed specifically for use in industrial and commercial pumping applications. They are tailored for not only general purpose water pumping but also for process, transfer and circulating types of pumps.

Designed to meet the requirements of motor-mounted centrifugal pumps, these motors feature NEMA type "C" face mounting and a standardized shaft extension on which the pump casing and impellor are mounted. The mounting face and shaft dimensions are held to close axial and radial tolerances. Motor and shaft dimensions for this compact assembly are in accordance with the NEMA "JM" and "JP" standards established in conjunction with the pumping industry. Standardization permits a high degree of interchangeability of pump and motor sizes allowing great field flexibility. These cast aluminum alloy frame motors have integrally cast-on mounting feet and can be used in either horizontal or vertical shaft applications. For vertical mountings, dripcovers listed below are available to retain dripproof characteristics.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1	1725	230/460	143JP	Ball	N	3.6	K440	5K47MG8078	\$300	28	17.06	
1½	1725	230/460	145JP	Ball	N	5.6	K441	5K47PG8079	328	32	17.06	
2	3450	230/460	145JP	Ball	N	6.0	K442	5K48NG8012	376	30	17.87	
	1725	230/460	145JM	Ball	N	6.6	K443	5K49UG8139	356	40	16.01	
3	3450	230/460	145JP	Ball	N	6.6	K444	5K49UG8138	356	40	19.07	
			145JM	Ball	N	8.4	K445	5K49TG8137	410	38	15.37	
	1725	230/460	145JP	Ball	N	8.4	K446	5K49TG8136	410	38	18.43	
			182JM	Ball	N	8.6	K447	5K182JL2345	430	63	15.95	
5	3450	230/460	182JP	Ball	N	8.6	K448	5K182JL2692	430	64	19.01	
			182JM	Ball	N	13.4	K449	5K182JL1150	496	69	15.95	
	1725	230/460	182JM	Ball	N	13.4	K450	5K182JL189	496	70	19.01	
			184JM	Ball	N	14.2	K451	5K184JL2339	470	73	16.95	
7½	3450	230/460	184JP	Ball	N	14.2	K452	5K184JL2311	470	74	20.01	
			184JM	Ball	N	18.8	K453	5K184JL181	604	81	16.95	
			184JP	Ball	N	18.8	K454	5K184JL165	604	81	20.01	

Accessory	Catalog No.	List Price
Drip Cover for NEMA 140 Frame	346L627BH-G3	\$30. GO-IT
Drip Cover for NEMA 180 Frame	346L627BJ-G3	\$40. GO-IT

**DIMENSIONS:** See next page

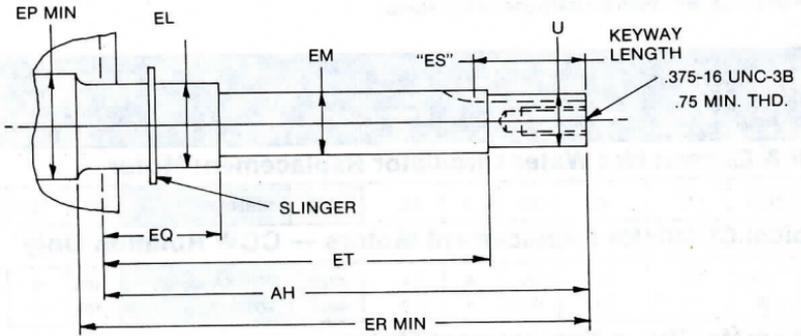
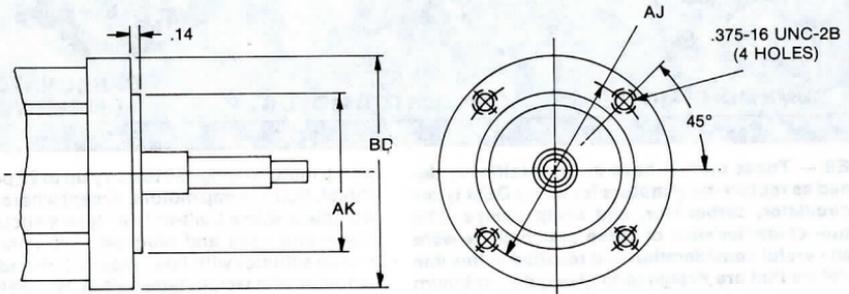
**SAFETY PRECAUTIONS:** See page 113



# CLOSE-COUPLED PUMP MOTORS

Three-Phase — Drip-proof — NEMA "C" Face — "JM" or "JP" Shafts — Foot Mounted — NEMA SF

DIMENSIONS: 143JM-184JM  
143JP-184JP



DETAIL OF SHAFT

FRAME SIZE	AH	AJ	AK	BD	U	EL
143JM-145JM	4.25	5.88	4.50	6.53	0.8745	1.156
143JP-145JP	7.31	5.88	4.50	6.53	0.8745	1.156
182JM-184JM	4.25	5.88	4.50	6.62	0.8745	1.250
182JP-184JP	7.31	5.88	4.50	6.62	0.8745	1.250
FRAME SIZE	EM	EP	EQ	ER	ES	ET
143JM-145JM	1.000	1.156	0.625	4.25	1.62	2.875
143JP-145JP	1.000	1.156	1.565	7.31	1.62	5.935
182JM-184JM	1.000	1.250	0.625	4.25	1.62	2.875
182JP-184JP	1.000	1.250	1.565	7.31	1.62	5.935



# REPLACEMENTS FOR PUMP APPLICATIONS

## Single-Phase — Open — NEMA and 1.0 SF



**SUMP PUMP MOTOR**



**WATER  
CIRCULATOR MOTOR**



**CARBONATOR  
PUMP MOTOR**

**USES** — These motors have been specifically designed as replacement motors for many OEM types of circulator, carbonator, and sump pumps. The unique characteristics of these applications were given careful consideration and resulted in this line of motors that are designed to give quiet, optimum performance in sump pumps, carbonator pumps and hot water circulators.

These specific pump application motors feature automatic reset overload protection and all-angle sleeve bearings, with both the carbonator and sump

pump motors designed to carry up to 25 pounds end thrust. Sump pump motors, except where noted, are complete with a built-in float-type switch and three conductor cord and plug set. Use minimum of 7 ounce actuator with float-type switch and 14-ounce actuator with weight type switch. Hot water circulator motors feature special dynamic balance, special double bonded resilient mounting rings and increased electro-magnetic structure to help minimize noise and assure quiet operation.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Bell & Gossett Hot Water Circulator Replacement Motor

1/8	1725	115	48Y	Slv.	A	3.0	4720	5XBF057	\$123	13	7.37	φ
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### Typical Circulator Replacement Motors — CCW Rotation Only

1/12	1725	115	48Y	Slv.	A	2.4	4722	5KH3KAA0659T	100	9	7.22	□
1/8	1725	115	48Y	Slv.	A	3.0	4404	5XBJ019	108	11	8.93	□

### Carbonator Pump Replacement Motor

1/4	1725	115	48Y	Slv.	A	5.5	4725	5XBG027	118	13	7.49	φ
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### Sump Pump Replacement Motor

1/3	1725	115	48K	Slv.	A	6.0	4402	5XBG114	112	12	9.09	φ
		115	48K	Slv.	A	6.0	4367	5XBG121	112	12	9.09	φ C
		115	48K	Slv.	A	6.0	4366	5XBG115	96	12	8.42	φ □

C Weight type switch

φ 1.0 service factor

□ NEMA service factor

□ Motor does not have float/weight switch or cord and plug set.

ROTATION: Shaft rotation easily reversed by electrical reconnection, except where noted.

DIMENSIONS: See next page

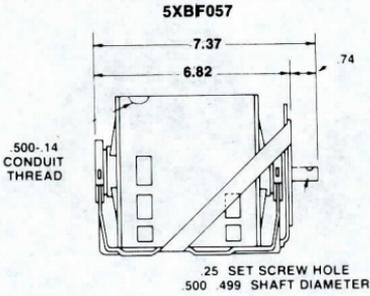
SAFETY PRECAUTIONS: See page 113



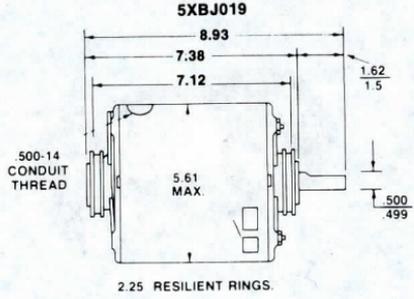
# REPLACEMENTS FOR PUMP APPLICATIONS

## Single-Phase — Open — NEMA and 1.0 SF

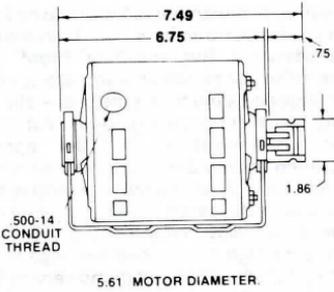
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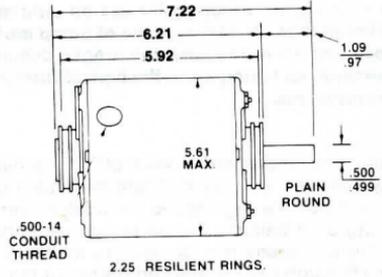
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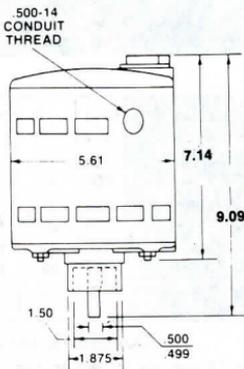
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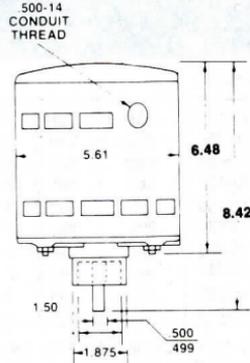
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**5XBG114  
5XBG121**



**5XBG115**



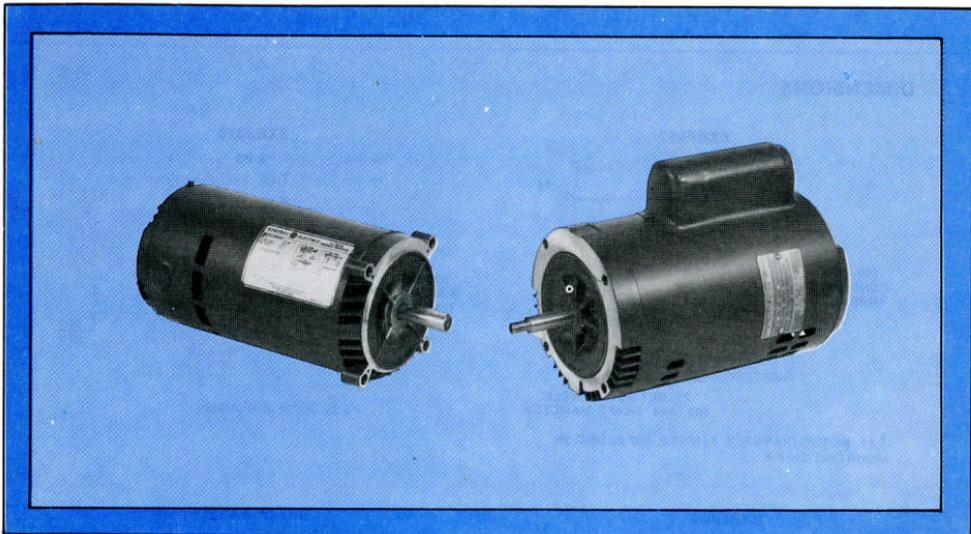
SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK



# SWIMMING POOL PUMP MOTORS

## Single Phase — Open — NEMA SF



**USES —** Designed specially for use on swimming pool filter pumps, this unique line of pump motors has been engineered to meet the rugged demands of swimming pool pumps and the typical surrounding environments.

The new line of 2 speed motors offers significant energy cost savings over standard swimming pool pump motors. The high speed provides power for obtaining pool balance during heavy use periods while the low speed can be used to maintain the balance through slack usage periods by continuous quiet operation at a greatly reduced operating cost. The 2 speed designs can be used on single speed

pumps without adjustment to the pump and without affecting pump performance. The single speed models are "Bug and Sand Proof" designs constructed so the switch contacts are enclosed to prevent bugs and sand from entering — eliminating a primary cause of swimming pool motor failure. In addition these motors are UL "1081" approvable incorporating all standard features and construction along with high resistance to corrosive hydroxides and chemicals associated with swimming pools. Other features include NEMA 56C and 56J mounting with large high quality ball bearings to handle heavy thrust loads, NEMA jet pump service factors, auto reset overloads and stainless steel shafts on the NEMA 56J models.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/2	3450	115/230	56C	Ball	A	7.0	C487	5KC39LN234X	\$171	17	12.35	
		115/230	56J	Ball	A	7.0	C473	5KC39LN233X	177	17	12.35	
3/4	3450	115/230	56C	Ball	A	11.0	C489	5KC39NN236X	194	19	13.10	
		115/230	56J	Ball	A	11.0	C488	5KC39NN235X	200	19	13.10	
1	3450	115/230	56C	Ball	A	11.6	C491	5KC39RN238X	218	21	13.10	
		115/230	56J	Ball	A	11.6	C490	5KC39RN237X	224	21	13.10	
1 1/2	3450	115/230	56C	Ball	A	16.0	C493	5KC48PG900X	294	32	13.15	
		115/230	56J	Ball	A	16.0	C492	5KC48PG899X	308	32	13.15	
2	3450	115/230	56C	Ball	A	20.2	C495	5KC49TG1344X	358	38	14.35	
		115/230	56J	Ball	A	20.2	C494	5KC49TG1343X	372	38	14.35	

**Service Factors:** 1/2 hp, 1.6; 3/4 hp, 1.5; 1 hp, 1.4; 1 1/2 hp, 1.3; 2 hp, 1.2

Continued on next page

**ROTATION:** motors are connected for clockwise rotation, facing end opposite shaft, and are not reconnectable.

**DIMENSIONS:** See page 107

**SAFETY PRECAUTIONS:** See page 113

# SWIMMING POOL PUMP MOTORS

## Single Phase — Open — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Two Speed

1/2- 1/16	3450- 1725	115	56C	Ball	A	7.0-2.4	C497	5KC39NN240X	\$260	21	13.10	
		115	56J	Ball	A	7.0-2.4	C496	5KC39NN239X	272	21	13.10	
3/4- 1/10	3450- 1725	115	56C	Ball	A	9.3-3.2	C499	5KC39RN242X	319	23	13.10	
		115	56J	Ball	A	9.3-3.2	C498	5KC39RN241X	331	23	13.10	
1- 1/8	3450- 1725	230	56C	Ball	A	6.3-1.6	C501	5KC48PG902X	364	35	13.15	②
		230	56J	Ball	A	6.3-1.6	C500	5KC48PG901X	376	35	13.15	②
1½- 1/5	3450- 1725	230	56C	Ball	A	8.6-2.2	C503	5KC49UG1346X	464	47	14.35	②
		230	56J	Ball	A	8.6-2.2	C502	5KC49UG1345X	476	47	14.35	②
2- 1/4	3450- 1725	230	56C	Ball	A	11.4-3.3	C505	5KC49ZG1348X	565	53	15.43	②
		230	56J	Ball	A	11.4-3.3	C504	5KC49ZG1347X	577	53	15.43	②

② Full-load amps @230V.

**Service Factors:** ½ hp, 1.6; ¾ hp, 1.5; 1 hp, 1.4; 1½ hp, 1.3; 2 hp, 1.2.

**ROTATION:** motors are connected for clockwise rotation, facing end opposite shaft, and are not reconnectable.

**DIMENSIONS:** See page 107

### TYPICAL SAVINGS USING 2-SPEED MOTORS (vs. 1 Speed @ 24 Hrs./Day)

8 Hrs./Day High; 16 Hrs./Day Low

12 Hrs./Day High; 12 Hrs./Day Low

MONTHLY SAVING AT

MONTHLY SAVING AT

HP	5¢/KWHR	7¢/KWHR	10¢/KWHR	HP	5¢/KWHR	7¢/KWHR	10¢/KWHR
1/2	\$10.90	\$15.25	\$21.79	1/2	\$ 8.15	\$11.41	\$16.30
3/4	16.12	22.57	32.24	3/4	12.27	17.24	24.53
1	18.38	25.73	36.75	1	12.98	18.17	25.96
1½	31.53	44.14	63.05	1½	24.48	34.27	48.96
2	38.97	54.55	77.93	2	29.34	41.08	58.68

**SAFETY PRECAUTIONS:** See page 113

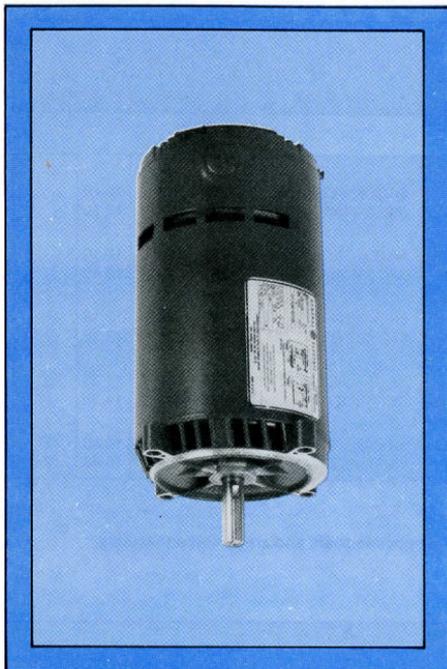
IN WAREHOUSE STOCK

55



# JET PUMP MOTORS

## Single-Phase — End-Mounted — NEMA SF



**USES** — These motors are ideally suited for domestic and light industrial water system uses, and other high-speed jobs requiring end mounting. (For heavy duty or industrial Jet pump use, see centrifugal pump motors).

With this combination ball- and sleeve-bearing design, you can take advantage of the quietness offered by sleeve bearings, plus the heavy load carrying ability of ball bearings. Ball bearing is abundantly lubricated with a high-quality grease that resists moisture. On ratings up to 1½ hp, winding guard, totally enclosed endshield and gasketed terminal box combine to guard against entrance of dirt and moisture, preventing damage to internal parts. That means no drip cover is needed, even for vertical applications. Motors rated 1½ and 2 hp are drip-proof in the horizontal position, but drip cover should be used when the motor is mounted vertically. (See ordering information below.) Internal capacitor on ratings up to 1½ hp affords a streamlined, compact motor. These motors have UL recognized auto-reset thermal protection. NEMA 56C models have standard shaft construction. Shafts on NEMA 56J models are stainless steel with threads. All motors have NEMA jet pump service factors.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/3	3450	115	56C	Slv/Ball	A	6.4	C313	5KC37FN54X	\$152	14	10.71	
		115	56J	Slv/Ball	A	6.4	C314	5KC37FN55X	164	14	11.22	
		115/230	56C	Slv/Ball	A	6.4	C315	5KC37FN56X	162	14	10.71	
		115/230	56J	Slv/Ball	A	6.4	C316	5KC37FN57X	174	14	11.22	
1/2	3450	115/230	56C	Slv/Ball	A	7.6	C317	5KC36JN242X	178	15	10.31	
		115/230	56J	Slv/Ball	A	7.6	C318	5KC36JN270X	190	15	10.82	
3/4	3450	115/230	56C	Slv/Ball	A	11.2	C319	5KC39NN40X	220	19	11.84	
		115/230	56J	Slv/Ball	A	11.2	C320	5KC39NN41X	232	19	12.35	
1	3450	115/230	56C	Slv/Ball	A	13.2	C321	5KC39RN42X	252	22	12.58	
		115/230	56J	Slv/Ball	A	13.2	C322	5KC39RN43X	264	22	13.16	
1½	3450	115/230	56C	Slv/Ball	A	18.4	C323	5KC48NG807X	324	29	12.65	☐
		115/230	56J	Slv/Ball	A	18.4	C324	5KC48NG850X	336	29	13.15	☐
2	3450	115/230	56C	Slv/Ball	A	21.2	C325	5KC49TG369X	396	37	13.20	☐
		115/230	56J	Slv/Ball	A	21.2	C326	5KC49TG430X	408	37	13.70	☐

☐ Motor has externally-mounted capacitor.

**SERVICE FACTORS:** 1/3 hp, 1.75; 1/2 hp, 1.6; 3/4 hp, 1.5; 1 hp, 1.4; 1 1/2 hp, 1.3; and 2 hp, 1.2.

**ROTATION:** Motors are connected for clockwise rotation, facing end opposite shaft, and are not reconnectable.

**DIMENSIONS:** See page 107

### Accessories:

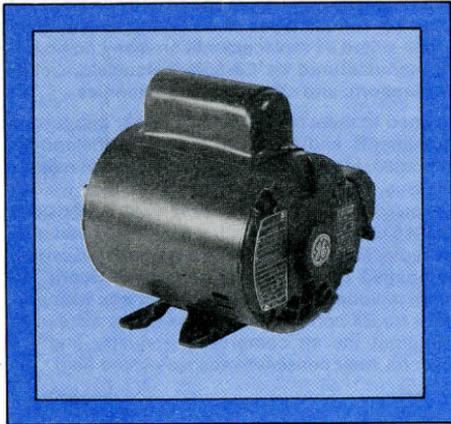
Accessory	Catalog No.	List Price
Snap-on drip cover (for 1½ and 2 hp ratings)	121A610AA1	\$10

**SAFETY PRECAUTIONS:** See page 113



# HIGH-PRESSURE WATER SPRAYER

## Single-Phase — Open — NEMA SF



**USES — Precision constructed for high-pressure water-spray applications and for other general-purpose pumps and compressors.**

These long-life open, dripproof motors are built in accordance with the most recent NEMA motor standards. They are designed to handle hard-starting jobs and have sturdy rigid bases to withstand shock and vibration. Pre-lubricated, single-shielded ball bearings are provided for smooth, quiet performance; and to carry heavy loads. Provisions are made for fast, simple wiring, and it is easy to quickly change the voltage and shaft rotation. UL recognized optional auto-reset or manual-reset thermal protector is available.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/2	1725	115/230	56	Ball	N	9.2	C167	5KC37NN6	\$232	20	10.72	
		115/230	56	Ball	A	9.2	C168	5KC37NN6X	240	20	10.72	
		115/230	56	Ball	M	9.2	C169	5KC37NN6Y	246	20	10.72	
3/4	1725	115/230	56	Ball	N	12.6	C175	5KC39UN3	286	28	11.85	
		115/230	56	Ball	A	12.6	C176	5KC39UN3X	294	28	11.85	
		115/230	56	Ball	M	12.6	C177	5KC39UN3U	300	28	11.85	
1	1725	115/230	56	Ball	N	13.8	C181	5KC47RG735	308	34	11.88	
		115/230	56	Ball	A	13.8	C182	5KC47RG735X	316	34	11.88	
1 1/2	1725	115/230	56H	Ball	N	18.5	C185	5KC49WG527	360	46	13.83	
		115/230	56H	Ball	A	18.5	C186	5KC49WG527X	368	46	13.83	
2	1725	115/230	145T	Ball	N	22.0	C193	5KC49QG6006	462	55	15.34	
		115/230	145T	Ball	A	22.0	C381	5KC49QG6006X	470	55	15.34	

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*

### **BONDING TREATMENT MAKES STATOR RIGID**

Upon completion of the stator-winding manufacturing operation, the entire assembly is thoroughly dipped in a bath of protective polyester varnish. The assembly is then baked in high temperature ovens to bond stator core and windings into a strong, solid unit. This improved stator

treatment gives the motor's power package a strong rigidity which resists movement of conductors even under the severe vibration encountered on such applications as paint mixers. The treatment also offers excellent protection against the harm-producing effects of heat, moisture, abrasion, and deterioration.

**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



# MOTORS FOR AIR COMPRESSORS

## Single-Phase — Open — NEMA SF



**USES** — These motors are specifically engineered for use on various types of air compressors. They are well suited as replacements on many compressors manufactured by Campbell-Hausfeld, DeVilbiss, Sanborn, and other similar companies.

Designed to meet NEMA service factor and torque requirements and ruggedly built to withstand air compressor loads, these motors will provide reliable service in this type of application. These welded base motors conform to mechanical dimensions specified by NEMA which allows for the easiest possible replacement procedure. Once mounted, wiring is simplified by the use of a terminal board. All motors include an extended conduit box with provisions for BX connections. These designs are used throughout the air compressor industry and are known for their consistent success in the field.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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1/2	3450	115	56	Slv.	M	10.6	9021	5KC45DR412U	\$160	17	10.10	
	1725	115	56	Slv.	A	9.2	9020	5KC47KR396T	160	22	10.40	
3/4	3450	115	56	Slv.	M	10.6	9023	5KC47KR402U	184	22	10.50	
	1725	115	56	Slv.	A	10.0	9022	5KC49LR13T	184	23	10.60	
1	3450	115/230	56	Ball/Slv.	M	17.6	9025	5KC49PR108U	244	26	11.00	
2	3450	230	56	Ball/Slv.	M	10.5	9026	5KCR49PR109U	284	27	11.00	②④

④ Two mounted capacitors.

② Full-load amps @230V.

**ROTATION:** CCW (facing shaft)

**DIMENSIONS:** See page 106

### POLYESTER INSULATION RESISTS MOISTURE

Polyester film is an extremely tough, amazingly water-resistant modern synthetic.

The remarkable physical, electrical, thermal, and chemical characteristics of this material make it ideal for fractional-horsepower motor insulation.

The moisture resistance of polyester film is tested to be 35 times greater than that of the ordinary paper insulation used in motors of less advanced design. It will absorb less than one-half of one per cent moisture when submerged.



**SAFETY PRECAUTIONS:** See page 113



# MOTORS FOR AIR COMPRESSORS

## Single-Phase — Open — NEMA SF



**USES** — These motors are suitable for a wide range of uses. Extra built-in starting power makes them particularly effective in handling the heavy loads of commercial refrigeration compressors, portable and stationary air compressors and similar industrial devices.

Engineered for highly dependable operation on hard-to-start jobs, these motors have precision ball bearings to withstand heavy loads. Fast simple wiring is provided for NEMA 48 and 56 Frame motors by 1/4" quick connect wiring tabs on large, easily accessible terminal boards. NEMA 140 and 180 frame motors are equipped with a large external conduit box for equally fast and easy motor lead connections. These solid-base drip-proof motors have NEMA service factors and meet NEMA standards.

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/4	1725	115	48	Ball	5.2	C146	5KC35JN13	\$154	16	9.57	
1/3	1725	115/230	56	Ball	6.6	C158	5KC36LN7	196	18	10.32	
1/2	1725	115/230	56	Ball	9.2	C167	5KC37NN6	232	20	10.72	
3/4	1725	115/230	56	Ball	12.0	C175	5KC39UN3	286	28	11.85	
1	1725	115/230	56	Ball	13.8	C181	5KC47RG735	308	34	11.88	
2	1725	115/230	145T	Ball	22.0	C193	5KC49QG6006	462	55	14.94	
3	1725	115/230	184T	Ball	35.2	C198	5KC184AL202	608	67	15.56	①
5	1725	230	184T	Ball	23.0	C199	5KC184AL292	920	82	15.56	②①

① Motor has cast aluminum construction with feet.

② Full-load amps @230V

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*

### DYNAMICALLY BALANCED ROTOR

Induction rotors are pressure-cast aluminum for good electrical performance, and their closed-slot design virtually eliminates high-pitch sound. Dense, cast-aluminum windings carry induced rotor

currents easily without excessive heating. These rotors are specially annealed and shrunk fit on shafts to provide permanent anchorage. Each rotor is individually tested and dynamically balanced for quiet, smooth operation.

**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



# MOTORS FOR BELTED FANS AND BLOWERS

## Single and Three-Phase — Dripproof — NEMA SF



Split-Phase, Type KH & XB



Capacitor-start, Type KC



Three-phase, Type K

**USES** — Quiet operation and long, dependable life make these motors ideal for driving conventional belted fans and blowers. They are especially suited for many residential and commercial applications such as air handlers, exhaust fans, furnaces, and many other similar applications.

You get a dependable motor that offers continuous operation; built-in UL recognized automatic-reset thermal protection for added safety as noted; shaft treatment resists rust to keep maintenance at a minimum; and mounting versatility with all-angle

sleeve-bearings for normal applications, or ball bearings in higher horsepower ratings. On NEMA 48 through 145T Frames, a strong, steel cradle base tightly clamped to resilient rings provides vibration isolation. Motors 182T through 445T are rugged, lightweight cast aluminum construction with feet. These motors meet NEMA standards and have NEMA service factors. Single phase motors have moderate starting torque for soft starts. They are ideal for air-moving applications where loading may occasionally exceed nameplate rating.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Split-Phase, Types KH & XB

1/6	1725	115	56Z	Siv.	A	3.6	4350	5XBF024	\$104	12	8.13	①
1/4	1725	115	48	Siv.	N	4.9	4355	5XBG00G	106	13	8.33	
		115	48	Siv.	A	4.9	4305	5XBG015	112	13	8.33	
		230	48	Siv.	A	2.5	4306	5XBG019	120	13	8.33	②
		115	56Z	Siv.	N	4.9	4358	5XBG01D	110	14	8.33	①
		115	56Z	Siv.	A	4.9	4363	5XBG036	116	14	8.33	①
1/3	3450	115	48	Siv.	N	5.6	H114	5KH35FN124	108	15	9.57	
		115	48	Siv.	A	5.6	H115	5KH35FN124X	114	15	9.57	
		1725	48	Siv.	N	5.5	4370	5XBH00H	124	15	8.63	
		115	48	Siv.	A	5.5	4308	5XBH006	130	15	8.63	
		230	48	Siv.	A	2.8	4309	5XBH017	138	15	8.63	②
1/2	1725	115	56Z	Siv.	A	5.5	4383	5XBH029	134	15	8.63	①
		115	56	Siv.	N	7.3	4390	5XBL00B	176	21	10.01	
		115	56	Siv.	A	7.3	4392	5XBL000	182	21	10.01	
3/4	1725	115	56	Siv.	A	12.0	H231	5KH38RN68X	236	22	11.32	
		230	56	Siv.	A	6.0	H232	5KH38RN10X	244	22	11.32	②

### Single-Speed — Capacitor-Start, Type KC

1/2	3450	115/230	48	Siv.	A	7.4	C396	5KC37LN64X	152	18	10.40	
	1725	115/230	56	Siv.	A	9.2	C397	5KC37NN16X	228	20	10.72	
3/4	3450	115/230	48	Siv.	A	10.0	C467	5KC37NN113X	194	20	10.40	
		115/230	56	Siv.	A	10.0	C398	5KC37NN84X	198	21	10.72	
	1725	115/230	56	Siv.	N	12.0	C399	5KC39UN8	274	27	11.85	
		115/230	56	Siv.	A	12.0	C400	5KC39UN8X	282	27	11.85	

① 1/2" x 1 7/8" shaft and 5/8" adaptor provided    ② Full-load amps @230V.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113

Continued on next page



# MOTORS FOR BELTED FANS AND BLOWERS

## Single and Three-Phase — Drip-proof — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Capacitor-Start, Type KC

1	3450	115/230	56	Siv.	A	12.4	C401	5KC38RN69X	230	24	11.32	
	1725	115/230	56	Siv.	A	13.8	C402	5KC47RG724X	304	32	11.88	
1½	3450	115/230	56	Siv.	A	16.8	C403	5KC47PG750X	302	32	11.88	
	1725	115/230	56H	Ball	A	18.0	C404	5KC49WG552X	372	44	13.83	
2	3450	115/230	56	Ball	A	21.2	C405	5KC49TG553X	390	40	13.25	
	1725	115/230	145T	Ball	A	22.0	C468	5KC49QG6024X	474	58	16.46	

### Two Speed, Split-Phase, Types KH & XB

1/6-1/18	1725-1140	115	48	Siv.	A	3.4-1.9	4389	5XBM007	\$136	18	9.93	
1/4-1/12	1725-1140	115	48	Siv.	A	4.6-2.8	4399	5XBY012	158	22	10.63	
		230	48	Siv.	A	2.3-1.4	4412	5XBY026	166	22	10.63	②
1/3-1/9	1725-1140	115	48	Siv.	A	6.4-2.8	4319	5KH3QPA030IT	198	22	10.63	φ
		115	56	Siv.	A	5.7-3.2	H144	5KH43MG152X	202	25	10.88	
1/2-1/6	1725-1140	115	56	Siv.	A	8.2-3.9	H147	5KH45PG343X	258	30	11.36	
3/4-1/4	1725-1140	115	56	Siv.	A	9.0-6.0	H146	5KH49UG130X	342	39	13.25	

### Two-Speed — Capacitor-Start, Type KC

1/2-1/6	1725-1140	115	56	Siv.	A	8.2-3.9	C406	5KC45PG50X	300	29	11.36	
3/4-1/4	1725-1140	115	56	Siv.	A	9.0-6.0	C407	5KC49UG120X	390	41	13.25	
		230	56	Siv.	A	4.5-3.0	C414	5KC49UG112X	398	41	13.25	②

### Single-Speed — Three-Phase, Type K

1/2	1725	230/460	56	Siv.	A	2.2	K557	5K36MN8X	250	17	10.32	②
3/4	3450	230/460	56	Siv.	A	2.6	K267	5K37MN9X	228	19	10.72	②
		230/460	56	Siv.	A	2.8	K268	5K37PN10X	276	20	10.72	②
1	3450	230/460	56	Siv.	A	3.2	K269	5K38PN6X	256	21	11.32	②
		200	56	Siv.	A	3.8	K558	5K38SN102X	282	25	11.32	§
1½	3450	230/460	56	Siv.	A	3.2	K270	5K38SN7X	282	25	11.32	②
		200	56H	Ball	A	4.7	K271	5K45KG951X	308	25	11.36	②
2	3450	230/460	56	Ball	A	5.8	K559	5K45PG1295X	326	32	11.36	§
		230/460	56H	Ball	A	5.6	K272	5K45PG2046X	326	32	11.36	②
3	3450	230/460	56	Ball	A	6.0	K273	5K48NG626X	374	32	12.69	②
		230/460	145T	Ball	A	6.6	K274	5K49UG8144X	362	40	14.20	②
3	3450	230/460	145T	Ball	N	8.4	K134	5K49TG8004	372	39	13.62	② E
		230/460	145T	Ball	A	8.4	K333	5K49TG8052X	416	40	13.62	②
1725	230/460	182T	Ball	N	8.6	K140	5K182AL214	358	51	13.58	② ①	

① Cast aluminum construction with feet

② Full-load amps @ 230V

φ 1.0 service factor

§ Full-load amps @200V.

E Rolled steel construction with welded base.

Continued on next page

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. See page 65 for High-Low Controller.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# MOTORS FOR BELTED FANS AND BLOWERS

## Single and Three-Phase — Dripproof — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Three-Phase, Type K

5	3450	230/460	182T	Ball	N	13.4	K149	5K182AL5	\$ 424	57	13.58	
	1725	230/460	184T	Ball	N	14.2	K141	5K184AL217	398	62	14.58	
7½	3450	230/460	184T	Ball	N	18.8	K150	5K184AL6	532	69	14.58	
	1750	230/460	213T	Ball	N	10.3	S101	5K213AL205	408	76	17.31	L λ
10	3550	230/460	213T	Ball	N	11.9	S102	5K213AL105	505	76	17.31	L λ
	1750	230/460	215T	Ball	N	13.6	S103	5K215AL205	516	85	17.31	L λ
15	3550	230/460	215T	Ball	N	18.5	S104	5K215AL105	668	85	17.31	L λ
	1750	230/460	254T	Ball	N	20.3	S105	5K254AL205	677	129	22.31	L λ
20	3550	230/460	254T	Ball	N	27.1	S106	5K254AL105	806	129	22.31	L λ
	1750	230/460	256T	Ball	N	25.8	S108	5K256AL205	843	149	22.31	L λ
25	3550	230/460	256T	Ball	N	31.3	S109	5K256AL105	983	149	22.31	L λ
	1750	230/460	284T	Ball	N	30.0	S110	5K284AL205	993	205	24.94	L λ
30	3550	230/460	284TS	Ball	N	37.2	S111	5K284AL115	1117	205	23.31	L λ
	1750	230/460	286T	Ball	N	37.4	S112	5K286AL205	1160	230	24.94	L λ
40	3550	230/460	286TS	Ball	N	47.8	S113	5K286AL115	1520	230	23.31	L λ
	1750	230/460	324T	Ball	N	50.4	S114	5K324AL205	1446	295	27.56	L λ
50	3550	230/460	324TS	Ball	N	61.1	S115	5K324AL115	1874	295	26.06	L λ
	1750	230/460	326T	Ball	N	61.8	S116	5K326AL205	1688	335	27.56	L λ
60	3550	230/460	326TS	Ball	N	70.7	S117	5K326AL115	2245	335	26.06	L λ
	1750	230/460	364T	Ball	N	74.9	S1181	5K364AL205	2125	517	29.69	L λ
75	3550	230/460	364TS	Ball	N	89.4	S1191	5K364AL115	2911	517	27.56	L λ
	1750	230/460	365T	Ball	N	90.0	S1201	5K365AL205	2703	517	29.69	L λ
100	3550	230/460	365TS	Ball	N	114.0	S1211	5K365AL115	4002	517	27.56	L λ
	1750	230/460	404T	Ball	N	122.0	S1221	5K404AL205	3483	803	34.06	L λ
125	3550	460	404TS	Ball	N	145.0	S1231	5K404AL118	4923	803	31.06	L λ
	1750	460	405T	Ball	N	148.0	S1241	5K405AL208	4006	803	34.06	L λ
150	3550	460	405TS	Ball	N	173.0	S125	5K405AL118	6367	803	31.06	L λ
	1750	460	444T	Ball	N	179.0	S126	5K444AL208	5760	1111	39.81	L λ
200	3550	460	444TS	Ball	N	223.0	S127	5K444AL118	8372	1111	36.06	L λ
	1750	460	445T	Ball	N	234.0	S128	5K445AL208	7022	1111	39.81	L λ
250	3550	460	445TS	Ball	N	287.0	S129	5K445AL118	10032	1111	36.06	L φ
	1750	460	445T	Ball	N	295.0	S130	5K445AL209	8863	1111	39.81	L φ

λ Full-load amps @460V.

L GO-7ST Multiplier

φ 1.0 Service Factor

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# MOTORS FOR COMMERCIAL FANS AND BLOWERS

## Single & Three-phase—Open—Resilient Base—NEMA SF



Type KH Split-Phase

**USES:** Specially designed for commercial fans, these open motors are ideal for uses on air handlers, ventilation fans, blowers and other belt-driven, air-moving applications.

These open motors give you highly dependable performance on jobs requiring moderate starting torque. They can run continuously in 40°C ambient and are self-cooling. Mounting versatility is available with either all-angle sleeve bearings or precision factory-lubricated ball bearings. Extended clamp bolts are standard for end-mounting and fan-guard mounting. The strong, steel cradle base, tightly clamped to resilient rings, allows normal NEMA base mounting and provides vibration isolation to enhance quietness. Motors have NEMA Service Factors and conform to NEMA standards.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Capacitor-Start, Type KC

1/2	1725	115/230	56	Ball	N	9.2	C415	5KC37NN12	\$236	20	10.72	
		115/230	56	Ball	A	9.2	C416	5KC37NN12X	244	20	10.72	
3/4	1725	115/230	56	Ball	N	12.0	C417	5KC39UN4	290	28	11.85	
		115/230	56	Ball	A	12.0	C418	5KC39UN4X	298	28	11.85	

### Single-Speed — Split-Phase, Type KH

1/12	1140	115	48Z	Ball	A	2.4	H152	5KH32GN140X	142	15	9.32	①
1/8	1725	115	48Z	Ball	N	3.4	H153	5KH32CN28	114	12	9.32	①
		115	48Z	Ball	A	3.4	H274	5KH32CN28X	120	12	9.32	①
	1140	115	48Z	Ball	A	3.8	H154	5KH36KN113X	156	17	10.38	
		850	56	Ball	N	4.6	H294	5KH43MG159	272	26	10.88	
	115	115	56	Ball	A	4.6	H155	5KH43MG159X	278	25	10.88	
		1/6	1725	115	48Z	Ball	N	4.0	H156	5KH32DN24	114	12
115	48Z			Ball	A	4.0	H157	5KH32DN24X	120	12	9.32	①
	1140	115	48Z	Ball	N	4.0	H158	5KH37PN41	168	21	10.78	①
		115	48Z	Ball	A	4.0	H159	5KH37PN41X	174	21	10.78	①
	850	115	56	Slv.	N	6.1	H295	5KH45PG95	292	28	11.36	
		1/4	1725	115	48Z	Ball	N	5.6	H160	5KH33FN11	122	14
115	48Z			Ball	A	5.6	H161	5KH33FN11X	128	14	9.57	①
	1140	115	56	Slv.	N	5.3	H149	5KH43MG216	206	25	10.88	
		115	56	Ball	N	5.3	H162	5KH43MG129	220	25	10.88	
	115	115	56	Ball	A	5.3	H163	5KH43MG129X	226	25	10.88	
		850	56	Ball	N	6.9	H296	5KH48SG51	376	34	12.69	
1/3	1725	115	48Z	Ball	N	6.6	H164	5KH35JN25	140	16	9.95	①
		115	48Z	Ball	A	6.6	H165	5KH35JN25X	146	16	9.95	①
	230	48Z	Ball	N	3.3	H166	5KH35JN26	148	16	9.95	①②	
		48Z	Ball	A	3.3	H167	5KH35JN26X	154	16	9.95	①②	
	1140	115	56	Slv.	N	7.0	H150	5KH48PG68	242	32	12.69	
		115	56	Slv.	A	7.0	H285	5KH48PG68X	248	32	12.69	
	115	115	56	Ball	N	7.0	H168	5KH48PG45	256	32	12.69	
		230	56	Ball	A	3.5	H297	5KH48PG84X	270	32	12.69	②
1/2	1725	115	56	Ball	N	8.7	H286	5KH36MN17	192	18	10.32	
		115	56	Ball	A	8.7	H248	5KH36MN17X	198	18	10.32	
	1140	115	56	Slv.	N	9.0	H151	5KH49UG63	318	39	13.25	
		115	56	Ball	A	9.0	H298	5KH49UG39X	338	39	13.25	
	230	56	Ball	A	4.5	H299	5KH49UG49X	346	39	13.25	②	
		115	56	Slv.	A	12.0	H272	5KH38RN57X	236	22	11.32	

① Motors have 1/2" x 1 7/8" shaft extension.

② Full-load amps @ 230V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

Continued on next page



# MOTORS FOR COMMERCIAL FANS AND BLOWERS

## Single and Three Phase — Open — Resilient Base — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single Speed — Three-Phase, Type K

1/4	1725	230/460	48Z	Ball	N	1.4	K275	5K33GN45	\$172	14	9.57	②
1/2	1725	230/460	56	Ball	N	2.2	K381	5K36MN87	226	18	10.32	②
	1140	230/460	56	Ball	N	2.6	K276	5K43MG3000	300	26	10.88	②
3/4	1725	230/460	56	Ball	N	2.8	K277	5K37PN36	252	20	10.72	②
	1	1725	230/460	56	Ball	N	3.2	K278	5K38SN46	258	25	11.32
1 1/2	1725	230/460	56H	Ball	N	5.6	K543	5K45PG1129	286	30	11.36	②

### Two Speed — Capacitor-Start, Type KC

1/2-1/6	1725-1140	115	56	Ball	A	8.2-3.9	C419	5KC45PG328X	316	30	11.36											
3/4-1/4	1725-1140	115	56	Ball	N	9.0-6.4	C420	5KC49UG174	400	41	13.25											
													115	56	Ball	A	9.0-6.4	C474	5KC49UG174X	406	41	13.25
1-1/3	1725-1140	115	56	Ball	N	12.0-7.0	C475	5KC49UG628	500	39	13.25											
													230	56	Ball	N	6.0-3.5	C476	5KC49UG629	500	39	13.25

### Two-Speed — Split-Phase, Type KH

1/6-1/18	1725-1140	115	48Z	Ball	N	3.4-1.9	H169	5KH36KN114	146	17	10.38	②										
													115	48Z	Ball	A	3.4-1.9	H170	5KH36KN114X	152	17	10.38
1/4-1/12	1725-1140	115	48Z	Ball	N	4.8-2.7	H171	5KH37PN33	168	21	10.78	②										
													115	48Z	Ball	A	4.8-2.7	H172	5KH37PN33X	174	21	10.78
1/4-1/10	1140-850	115	56	Ball	N	5.8-4.0	H300	5KH47SG45	324	34	11.88											
1/3-1/9	1725-1140	115	56	Ball	N	5.7-3.2	H173	5KH43MG130	212	26	10.88											
													115	56	Ball	A	5.7-3.2	H174	5KH43MG130X	218	26	10.88
1/2-1/6	1725-1140	115	56	Ball	N	7.4-4.1	H175	5KH45PG84	268	29	11.36											
													115	56	Ball	A	7.4-4.1	H176	5KH45PG84X	274	29	11.36
													230	56	Ball	N	3.7-2.1	H275	5KH45PG86	276	29	11.36

### Two Speed — Three-Phase, Type K

1/2-1/6	1725-1140	200	56	Ball	N	2.4-1.6	K544	5K43MG4103	328	26	10.88	\$																				
													230	56	Ball	N	2.2-1.4	K545	5K43MG3195	328	26	10.88										
																							460	56	Ball	N	1.1-0.7	K546	5K43MG3122	328	26	10.88
3/4-1/4	1725-1140	200	56	Ball	N	3.1-1.8	K279	5K47SG1116	390	32	11.88	\$																				
													230	56	Ball	N	2.6-1.7	K517	5K47SG951	390	34	11.88										
																							460	56	Ball	N	1.4-0.8	K280	5K47SG952	390	32	11.88

\$ Full-load amps @ 200V.

λ Full-load amps @ 460V.

② Full-load amps @ 230V.

④ Motors have 1/2" x 1 7/8" shaft extension.

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. (See page 65 for high-low controller. Not suitable for three-phase, two-speed designs.)

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

Continued on next page



# MOTORS FOR COMMERCIAL FANS AND BLOWERS

## Single and Three Phase — Open — Resilient Base — NEMA SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Two Speed — Three-Phase, Type K

1- 1/3	1725- 1140	200	56	Ball	N	3.9-2.3	K518	5K48UG882	\$404	37	12.69	§ λ Ⓜ
		230	56	Ball	N	2.4-2.0	K547	5K48UG768	404	37	12.69	
		460	56	Ball	N	1.7-1.0	K519	5K48UG769	404	37	12.69	
1½- 1/2	1725- 1140	200	56	Ball	N	5.3-3.2	K520	5K49ZG1395	416	46	14.47	§ λ Ⓜ
		230	56	Ball	N	4.6-2.8	K548	5K49ZG950	416	46	14.47	
		460	56	Ball	N	2.3-1.4	K549	5K49ZG951	416	46	14.47	

§ Full-load amps @ 200V.

λ Full-load amps @ 460V.

Ⓜ Full-load amps @ 230V.

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. (See below for high-low controller. Not suitable for three-phase, two-speed designs.)

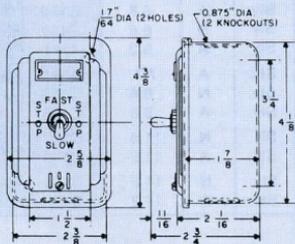
**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

### CONTROL SWITCH FOR TWO-SPEED MOTORS



**DIMENSIONS**  
(For Estimating Only)



Cat. No. 112A512 two-speed control switch is for use with ¾-hp and smaller single-phase, two-speed motors. This switch should be specified separately when ordering.

**Price, \$40.00**

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor winding failure.



# MOTORS FOR FANS AND EVAPORATIVE COOLERS

Single Phase — Open — Resilient Base — 1.0 SF



Split-phase  
Types KH, XB



Capacitor-Start  
Type KC

**USES** — Quiet operation and long dependable life make these motors ideal for belt-driven summer-cooling and attic fans, window and air circulator fans, and evaporative coolers.

These motors can give you rated power output and speed at minimum cost. You get mounting versatility and quiet operation with all-angle sleeve bearings. Wiring is made simple and easy because of quick-connect wiring tabs or conventional terminal studs and an easily accessible terminal board and threaded conduit hole. Rotation can be changed fast by simply reversing two plug-in leads at the terminal board. Optional built-in automatic-reset thermal protection is offered. Motors mounted in the horizontal position meet NEMA standards for

drip-proof construction. The two speed motors are not self cooling and depend upon some supplemental cooling air from the driven fan.

A new unique 2-speed model (Stock no. H306) is included in this tabulation. This unusual design can be installed similar to a conventional single speed motor and without using the normally required 2-speed controller. Containing an internal 2-speed switch, this model will change from high to low speed by a second activation of a conventional on/of switch. Now two levels of air flow and additional energy savings can be easily achieved without added wiring or controller expense by use of this motor and a standard on/off switch.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Single-Speed</b>												
1/4	1725	115	48	Slv.	A	5.5	4301	5XBG001	\$108	13	8.33	
1/3	1725	115	48	Slv.	A	6.4	4310	5XBH002	118	15	8.63	
		115	48	Slv.	N	6.6	C127	5KC35JN4	142	16	9.57	
		115/230	48	Slv.	A	6.6	C129	5KC35JN23X	158	16	9.57	
		115/230	56	Slv.	N	6.6	C132	5KC35JN26	154	16	9.89	
1/2	1725	230	48	Slv.	A	3.2	4311	5XBH003	126	15	8.63	②
		115	56	Slv.	A	7.7	4601	5XBK003	148	19	9.71	
		115/230	56	Slv.	N	8.6	C135	5KC36MN4	184	19	10.32	
		115/230	56	Slv.	A	8.6	C136	5KC36MN4X	192	19	10.32	
3/4	1725	115/230	56	Slv.	N	11.6	C137	5KC38RN4	220	23	11.32	
		115/230	56	Slv.	A	11.6	C138	5KC38RN4X	228	23	11.32	
1	1725	115/230	56	Slv.	N	14.2	C139	5KC45PG805	294	31	11.36	
		115/230	56	Slv.	A	14.2	C140	5KC45PG805X	302	31	11.36	

② Full-load Amps @230V

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

Continued on next page

**SAFETY PRECAUTIONS:** See page 113



# MOTORS FOR FANS AND EVAPORATIVE COOLERS

## Single Phase — Open — Resilient Base — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prof.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Two Speed</b>												
1/3-1/9	1725-1140	115	48	Siv.	A	6.2-3.0	H306	5KH3XLA1056X	\$194	21	9.95	① M

<b>Two Speed — Continuous Air-Over</b>												
1/6-1/18	1725-1140	115	48	Siv.	N	3.4-2.2	4322	5XBL00S	124	15	9.63	
1/4-1/12	1725-1140	115	48	Siv.	N	5.0-3.0	4394	5XBN00B	138	19	10.13	
							4395	5XBN002	144	19	10.13	
1/3-1/9	1725-1140	115	48	Siv.	N	6.4-2.8	4396	5XBY00V	152	22	10.63	
							4398	5XBY011	158	22	10.63	
							4397	5XBY02E	156	22	10.63	Ⓐ
1/2-1/6	1725-1140	115	56	Siv.	N	8.0-4.2	H130	5KH43MG42	196	26	10.88	
							H131	5KH43MG42S	202	26	10.88	
							H133	5KH43MG58S	210	26	10.88	
3/4-1/4	1725-1140	115	56	Siv.	N	11.4-6.2	C408	5KC47SG124	322	35	11.88	
							C409	5KC47SG124S	328	35	11.88	
							C410	5KC47SG125	330	35	11.88	②
							C411	5KC47SG125S	336	35	11.88	②
1-1/3	1725-1140	115	56	Siv.	N	12.6-6.8	C477	5KC49UG26	384	40	13.25	
							C478	5KC49UG26S	390	40	13.25	
							C412	5KC49UG18	392	40	13.25	②
							C413	5KC49UG18S	398	40	13.25	②

② Full-load amps @230V

Ⓐ 1/2" x 1 1/2" shaft with 5/8" shaft adapter.

① CCW viewing opp. shaft end. not reconnectable.

M Individual two-speed control not required (See pg. 66)

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. See page 65 for High-Low Controller.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

### POLYESTER INSULATION RESISTS MOISTURE

Polyester film is an extremely tough, amazingly water-resistant modern synthetic.

The remarkable physical, electrical, thermal, and chemical characteristics of this material make it ideal for fractional-horsepower motor insulation.

The moisture resistance of polyester film is tested to be 35 times greater than that of the ordinary paper insulation used in motors of less advanced design. It will absorb less than one-half of one per cent moisture when submerged.

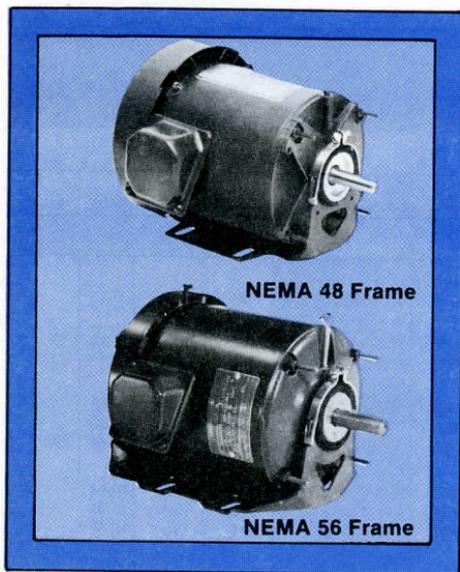


**SAFETY PRECAUTIONS:** See page 113



# FAN AND BLOWER MOTORS

## Single and Three-Phase — TEFC — 1.0 SF



**USES** — These totally enclosed fan-cooled motors are ideal for applications where moderate starting torque is required. Use on shaft-mounted or belt-driven fans and blowers in dusty or dirty areas.

Long motor life is afforded by a highly effective cooling system built into these motors. The out-board fan construction forces a stream of cooling air across the motor shell. These motors are designed for continuous operation in 40°C maximum ambient in surroundings that are dusty, dirty or subjected to airborne abrasives. Mounting versatility and quiet operation are available with either all-angle sleeve bearings or pre-lubricated ball bearings. Extended clamp bolts allow simple fan guard or motor end-mounting. NEMA base-mounting dimensions are met by a strong, steel cradle base tightly clamped to resilient rings. This resilient base provides vibration isolation to enhance quietness.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Split-Phase, Type KH

1/8	1140	115	48	Ball	N	3.8	H177	5KH35KN155	\$174	19	10.55	
	1/6	1725	115	48	Slv.	A	4.0	H291	5KH32EN72X	128	15	9.92
		115	48	Ball	N	4.0	H178	5KH32EN79	138	15	9.92	
		115	48	Ball	A	4.0	H292	5KH32EN79X	144	15	9.92	
1/4	1140	115	48	Slv.	N	4.0	H179	5KH36PN110	178	23	10.98	
		115	48	Ball	N	4.0	H233	5KH36PN109	192	23	10.98	
	1725	115	48	Slv.	N	5.4	H180	5KH32GN74	132	16	9.92	
		115	48	Ball	N	5.4	H181	5KH32GN81	146	17	9.92	
		115	48	Ball	A	5.4	H234	5KH32GN81X	152	17	9.92	
		230	48	Ball	A	2.7	H235	5KH32GN82X	160	17	9.92	
1140	115	56	Ball	N	5.3	H182	5KH43MG283	244	29	12.07	②	
	230	56	Ball	N	2.7	H183	5KH43MG284	252	29	12.07	②	
1/3	1725	115	56	Slv.	N	6.2	H184	5KH35MN54	166	20	10.93	
		115	56	Ball	N	6.2	H185	5KH35MN56	180	20	10.93	
	115	56	Ball	A	6.2	H236	5KH35MN56X	186	20	10.93		
	230	56	Ball	A	3.1	H246	5KH35MN57X	194	20	10.93		
	1140	115	56	Ball	N	7.0	H186	5KH43PG285	280	32	12.07	②
1/2	1725	115	56	Ball	N	8.2	H187	5KH37RN15	216	24	11.76	
	1140	115	56	Ball	N	8.7	H188	5KH47UG88	356	40	13.07	

② Full-load amps @ 230V.

**ROTATION:** Shaft Rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

Continued on next page

**SAFETY PRECAUTIONS:** See page 113



# FAN AND BLOWER MOTORS

## Single and Three-Phase — TEFC — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Three-Phase, Type K

1/4	1725	230/460	48	Ball	N	1.4	K538	5K32GN54	\$196	17	9.92	②
	1140	230/460	56	Ball	N	1.3	K539	5K35MN115	280	19	10.93	②
1/2	1725	230/460	56	Ball	N	2.2	K540	5K35MN118	250	19	10.93	②
	1140	230/460	56	Ball	N	3.0	K541	5K43MG2924	324	28	12.07	②
3/4	1725	230/460	56	Ball	N	2.8	K542	5K36PN26	276	21	11.36	②

### Two-Speed — Split-Phase, Type KH

1/4-1/12	1725-1140	115	48	Ball	N	4.2-2.6	H189	5KH36PN108	192	23	10.98	
1/3-1/9	1725-1140	115	56	Ball	N	5.7-3.2	H190	5KH43MG297	236	29	12.07	
1/2-1/6	1725-1140	115	56	Ball	N	7.6-3.6	H191	5KH43PG299	292	33	12.07	
		230	56	Ball	N	3.8-1.8	H293	5KH43PG300	300	33	12.07	②

② Full-load amps @ 230V.

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. See page 65 for High-Low Controller.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

General Electric Motors offer many quality features...



#### RUGGED, PRECISION-MADE BALL BEARINGS

For those applications where heavy axial and radial thrust loads are encountered, motors of ball-bearing construction have been made available.

The rugged, precision-made, single-shielded ball bearings used in these motors are generous in size and easily capable of withstanding the thrusts and shocks encountered on heavy-duty industrial applications. Bearings are pre-loaded with spring washers to take end play out of the bearing and contribute to quieter operation. Carefully selected for high quality, these bearings are strong, and smooth running. They are firmly supported in the motor end shield by a steel sleeve insert.

**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK



# SHAFT-MOUNTED FAN & BLOWER MOTORS

## Single and Three Phase — TENV, Air Over — Resilient Base — 1.0 SF



**USES** — Specially built for shaft-mounted and some belt-driven fans and blowers where the air stream is directly over the motor. These motors are ideal for exhaust fans, air circulators, air coolers, air handlers, ventilating fans and many similar jobs.

Mounting versatility and quiet operation are available with either all-angle sleeve bearings or pre-lubricated precision ball bearings. The heavy-duty ball-bearing design is lubricated for 10 years of normal use. A husky cradle base clamped to resilient rings provides NEMA base-mounting dimensions and vibration isolation. Extended clamp bolts with spacers allow easy fan-guard or motor mounting. Wiring is made fast and simple by a large, easily accessible terminal board. These motors are not self-cooling and depend upon supplemental cooling air from the driven fan.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Split Phase, Type KH

1/12	1725	115	48	Ball	N	2.4	H192	5KH32BN39	\$114	11	8.94		
1/8	1725	115	48	Ball	N	3.0	H193	5KH32EN40	114	12	8.94		
1/6	1725	115	48	Siv.	N	3.5	H194	5KH32GN37	100	13	8.94		
		115	48	Ball	N	3.5	H195	5KH32GN42	114	13	8.94		
		115	48	Ball	A	3.5	H196	5KH32GN42S	120	13	8.94		
1/4	1140	115	48	Ball	N	3.7	H197	5KH35MN132	168	17	9.57		
		115	48	Ball	A	3.7	H198	5KH35MN132S	174	17	9.57		
		115	48	Siv.	N	4.5	H199	5KH3SKA0869	108	17	8.95		
1/4	1725	115	48	Ball	N	4.5	H134	5KH33KN19	122	16	9.19		
		115	48	Ball	A	4.5	H135	5KH33KN19S	128	16	9.19		
		230	48	Ball	A	2.3	H277	5KH33KN20S	136	16	9.19	②	
		1140	115	56	Ball	N	5.6	H136	5KH43MG336	220	26	10.88	
		115	56	Ball	A	5.6	H137	5KH43MG336S	226	26	10.88		
		115	48	Siv.	N	5.3	H200	5KH3UMA0870	126	19	9.35		
1/3	1725	115	48	Ball	N	5.3	H138	5KH36NN36	140	18	10.00		
		115	48	Ball	A	5.3	H139	5KH36NN36S	146	18	10.00		
		230	48	Siv.	N	2.7	H201	5KH36NN35	134	18	10.00	②	
		230	48	Ball	N	2.7	H140	5KH36NN37	148	18	10.00	②	
		230	48	Ball	A	2.7	H141	5KH36NN37S	154	18	10.00	②	
		1140	115	56	Ball	N	7.0	H142	5KH43PG326	256	29	10.88	
1/2	1725	115	56	Ball	N	8.0	H143	5KH38SN15	192	23	11.32		
		115/230	56	Ball	N	8.0	H276	5KH38SN16	200	23	11.32		
		115/230	56	Ball	A	8.0	H247	5KH38SN16S	208	23	11.32		
		115/230	56	Ball	A	8.0							

② Full-load amps @230V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

Continued on next page



# SHAFT-MOUNTED FAN & BLOWER MOTORS

## Single and Three Phase — TENV, Air Over —

### Resilient Base — 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Two-Speed — Split-Phase, Type KH

1/6-1/18	1725-1140	115	48	Ball	N	3.4-1.9	H202	5KH35KN141	\$146	16	9.57	
1/4-1/12	1725-1140	115	48	Slv.	N	4.2-2.6	H203	5KH36PN106	154	20	10.00	

### Single-Speed — Three-Phase, Type K

1/4	1725	230/460	48	Ball	N	1.4	K281	5K32GN48	172	13	8.94	②
	1140	230/460	56	Ball	N	1.4	K282	5K42FG2722	256	20	9.98	②
1/3	1725	230/460	48	Ball	N	1.5	K283	5K33KN52	180	15	9.19	②
1/2	1725	230/460	56	Ball	N	2.2	K284	5K35MN272	226	18	9.57	②
	1140	230/460	56	Ball	N	2.6	K285	5K43MG2930	300	26	10.88	②
3/4	1725	230/460	56	Ball	N	2.8	K286	5K36PN247	252	20	10.00	②
1	1725	230/460	56	Ball	N	3.8	K525	5K43MG3441	258	27	10.88	②

② Full-load amps @230V.

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. See page 65 for High-Low Controller.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

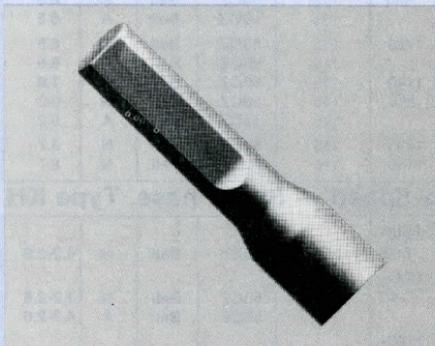
*General Electric Motors offer many quality features...*

#### RUST RESISTANT SHAFT

The shafts of General Electric motors are held to exacting tolerances to provide smooth, reliable performance without undue bearing wear.

Carbon-steel shafts are given a special treatment for long-lasting protection against rust and corrosion. This treatment simplifies the removal of fans, pulleys or couplings from the shafts.

In humidity-chamber tests in which conventional shafts became almost 100% rusted after 4 hours, shafts treated with this finish had less than 1% rust after 300 hours!



Salt-spray tests prove rust resistance of shaft treatment

**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK



# END-MOUNTED FAN AND BLOWER MOTORS

## Single Phase — Open — NEMA "C" Face — NEMA SF



Split-phase Type KH

**USES** — Quiet operation and long lubrication life make these open motors ideal for use on end-mounted commercial and industrial shaft mounted or belt-driven fans and blowers. They're specially designed for power vent fans requiring NEMA "C" face motors.

You're assured of long motor life and service-proven reliability with these open motors. That's possible because of a strong insulation system and efficient ventilation. Carefully selected, shielded ball bearings can take heavy thrust loads. These motors can run continuously and offer moderate starting torque. All models conform to NEMA standards and have NEMA service factors. A special shaft length of 2 1/4 inches is standard on these motors for your convenience for fan mounting.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Speed — Split-Phase, Type KH

1/12	1140	115	56CZ	Ball	N	2.4	H204	5KH32GN142	\$146	13	9.62		
		115	56CZ	Ball	N	3.2	H205	5KH37PN37	246	19	11.08		
		115	56CZ	Ball	A	3.2	H278	5KH37PN37X	252	19	11.08		
1/8	1140	115	56CZ	Ball	N	3.8	H206	5KH36KN112	160	15	10.68		
		115	56CZ	Ball	A	3.8	H287	5KH36KN112X	166	15	10.68		
		850	115	56CZ	Ball	N	4.6	H207	5KH43MG160	278	24	11.21	
1/6	1725	115	56CZ	Ball	N	4.2	H208	5KH32DN111	124	11	9.62		
		1140	115	56CZ	Ball	N	4.0	H209	5KH37PN36	178	19	11.08	
		850	115	56CZ	Ball	A	4.0	H210	5KH37PN36X	184	19	11.08	
1/4	1725	115	56CZ	Ball	N	5.8	H211	5KH45PG75	312	26	11.69		
		115	56CZ	Ball	N	5.6	H212	5KH33FN77	132	13	9.87		
		115	56CZ	Ball	A	5.6	H213	5KH33FN77X	138	13	9.87		
1/4	1140	115	56CZ	Ball	N	5.3	H214	5KH43MG26	226	23	11.21		
		115	56CZ	Ball	A	5.3	H215	5KH43MG26X	232	23	11.21		
		850	115	56CZ	Ball	N	6.5	H216	5KH48SG10	382	32	13.02	
1/3	1725	115	56CZ	Ball	A	6.5	H288	5KH48SG10X	388	32	13.02		
		115	56CZ	Ball	N	6.6	H217	5KH35JN121	150	14	10.25		
		115	56CZ	Ball	A	6.6	H218	5KH35JN121X	156	14	10.25		
1/3	1140	115	56CZ	Ball	N	7.0	H219	5KH48PG5	262	29	13.02		
		115	56CZ	Ball	N	9.2	H220	5KH49UG7	400	36	13.59		
		115	56CZ	Ball	A	9.2	H280	5KH49UG7X	406	36	13.59		
1/2	1725	115	56CZ	Ball	N	8.7	H290	5KH36MN137	198	16	10.68		
		1140	115	56CZ	Ball	N	8.7	H221	5KH49UG45	338	36	13.59	

### Two-Speed — Split-Phase, Type KH

1/6-1/15	1140-850	115	56CZ	Ball	N	4.2-2.9	H222	5KH45PG40	272	26	11.69	
1/4-1/12	1725-1140	115	56CZ	Ball	N	4.2-2.6	H223	5KH37PN40	174	20	11.08	
1/4-1/10	1140-850	115	56CZ	Ball	N	5.8-4.0	H224	5KH47SG20	330	30	12.21	
1/3-1/9	1725-1140	115	56CZ	Ball	N	5.7-3.2	H225	5KH43MG38	218	24	11.21	
1/2-1/6	1725-1140	115	56CZ	Ball	A	5.7-3.2	H281	5KH43MG38X	224	24	11.21	
1/2-1/6	1725-1140	115	56CZ	Ball	N	7.6-3.6	H226	5KH45PG73	274	27	11.69	
1/2-1/6	1725-1140	115	56CZ	Ball	A	7.6-3.6	H282	5KH45PG73X	280	27	11.69	

**CAUTION:** An individual control is required for each two-speed motor. Connecting two or more motors to one control may result in motor-winding failure. See page 65 for High-Low Controller.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

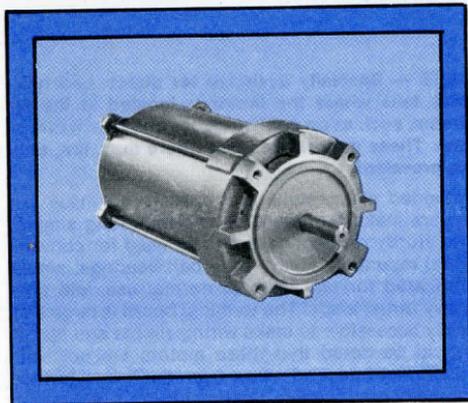
**DIMENSIONS:** These NEMA 56CZ frame motors conform to NEMA 56C dimensions on page 107, except for shaft length which is 2 1/4".

**SAFETY PRECAUTIONS:** See page 113



# END-MOUNTED FAN AND BLOWER MOTORS

## Single-Phase — Explosion Proof — 1.0 SF



**USES** — These end-mounted motors are for industrial and commercial type fans and blowers where Class I Group D and Class II Groups E, F and G atmospheric conditions exist. For NEC definition of Classes and Groups, see "Installation and Maintenance of Motors" section of this catalog.

Long motor life is assured by the use of carefully selected single shielded heavy duty ball bearings which use a special long life grease that is highly resistant to moisture and oxidation. When needed these quality bearings can withstand heavy thrust loads. Used for end motor mounting applications, a NEMA 56C flange provides standard mounting dimensions. An extra long 2 1/2" shaft 5/8" diameter allows flexibility in fan or pulley location on the shaft. Twenty-four inch leads make the motor easy to connect. These motors can be run continuously and are self-cooling in 40° C ambients.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/8	1140	115	56CZ	Ball	A	3.0	H301	5KH35NN224X	\$406	21	11.51	★
1/6	1140	115	56CZ	Ball	A	4.0	H302	5KH37SN102X	436	25	12.34	★
1/4	1140	115	56CZ	Ball	A	5.6	H303	5KH49MG207X	472	37	13.58	☐
1/2	1140	115	56CZ	Ball	A	9.0	H304	5KH47UG56X	584	51	15.10	☐

★ Totally enclosed non-ventilated.

☐ Totally enclosed fan-cooled.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** These NEMA 56CZ frame motors conform to NEMA 56C dimensions on page 107, except for shaft length which is 2 1/4".

*General Electric Motors offer many quality features . . .*

### BONDING TREATMENT MAKES STATOR RIGID

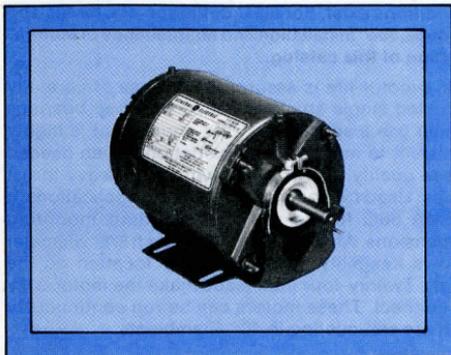
Upon completion of the stator-winding manufacturing operation, the entire assembly is thoroughly dipped in a bath of protective polyester varnish. The assembly is then baked in high temperature ovens to bond stator core and windings into a strong, solid

unit. This improved stator treatment gives the motor's power package a strong rigidity which resists movement of conductors even under the severe vibration encountered on such applications as paint mixers. The treatment also offers excellent protection against the harm-producing effects of heat, moisture, abrasion, and deterioration.



# MOTORS FOR POULTRY/BARN FANS

## TENV, Air-Over — Split-phase, Type KH



**USES** — Specially designed for direct- and belt-drive fans where the motor is located in the air stream, such as on poultry-house and barn exhaust fans. These motors are ideal where dust, lint, etc., are prevalent.

Extended clamp bolts and spacers on these fan motors make fan-guard or end-mounting simple. The sturdy resilient base can be used for conventional mounting. Heavy-duty ball bearings, amply lubricated for ten years of normal use, will take heavy thrust loads. The terminal board is large and easily accessible to make wiring simple and fast. It should be noted that these motors are not self-cooling and depend on air from the driven fan for supplemental cooling. Optional built-in automatic reset thermal protection is available on most ratings.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/4	1725	115	48	Ball	N	4.5	H134	5KH33KN19	\$122	16	9.19	
		115	48	Ball	A	4.5	H135	5KH33KN19S	128	16	9.19	
	1140	115	56	Ball	N	5.3	H136	5KH43MG336	220	26	10.88	
		115	56	Ball	A	5.3	H137	5KH43MG336S	226	26	10.88	
1/3	1725	115	48	Ball	N	5.3	H138	5KH36NN36	140	18	10.00	
		115	48	Ball	A	5.3	H139	5KH36NN36S	146	18	10.00	
	230	48	Ball	N	2.7	H140	5KH36NN37	148	18	10.00		
	230	48	Ball	A	2.7	H141	5KH36NN37S	154	18	10.00	②	
	1140	115	56	Ball	N	7.0	H142	5KH43PG326	256	29	10.88	②
1/2	1725	115	56	Ball	N	8.0	H143	5KH38SN15	192	23	11.32	

② Full-load amps @ 230V.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*

### DYNAMICALLY BALANCED ROTOR

Induction rotors are pressure-cast aluminum for good electrical performance, and their closed-slot design virtually eliminates high-pitch sound. Dense, cast-aluminum windings carry induced rotor

currents easily without excessive heating. These rotors are specially annealed and shrunk fit on shafts to provide permanent anchorage. Each rotor is individually tested and dynamically balanced for quiet, smooth operation.

**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



# "PDQ" SERV-S-LINE™ REPLACEMENT MOTORS FOR BELT-DRIVE FANS AND BLOWERS

## Single-Phase — Open — NEMA and 1.0 SF

**USES** — General Electric's new PDQ unique motor designs will replace virtually all NEMA 48 and 56 frame belt-drive furnace and blower motors in use today.



A new featured design in the PDQ line is the 2-speed model listed below. This new motor can be used to replace a single speed motor without rewiring or adding a conventional 2-speed motor controller. Wired into the circuit as a single speed motor, the internally mounted speed switch will activate the motor speed change by a second operation of the conventional on/off switch. Without rewiring, high and low levels of air flow and additional energy savings are now readily available by use of this new model. All of the models listed below have a unique 1 1/2-inch extended splined hub on the opposite shaft extension end of the motor which permits quick and easy positioning of the resilient ring to properly fit the existing motor base. Supplied with a 1/2-inch to 5/8-inch shaft adaptor and split rings to accommodate 2 1/4- or 2 1/2-inch resilient rings, the PDQ motor simplifies installation, saves time, and reduces inventory. These motors incorporate a variety of high quality features including sleeve bearings for long life, automatic-reset overloads for added protection, resilient rings, dual rotation, moderate starting torque, and long-life centrifugal switch.

HP	RPM	Volts	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	Dim Ref.	Foot-Notes
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### Single Speed

1/4	1725	115	Slv.	A	4.5	4730	5KH3NDA0635T	\$108	12	1	Φ
		115	Slv.	A	4.6	4740	5KH3NDA0638T	104	12	1	
1/3	1725	115	Slv.	A	5.2	4731	5KH3SHA0636T	126	15	2	Φ
		115	Slv.	A	5.7	4741	5KH3SKA0639T	116	15	2	
1/2	1725	115	Slv.	A	4.1	4764	5KHC3SKA789T	146	15	2	ⓔ
		230	Slv.	A	2.8	4738	5KH3SHA0727T	134	15	2	
		115	Slv.	A	6.9	4732	5KH3WQA0637T	162	20	3	Φ
		115	Slv.	A	7.2	4742	5KH3WMA0640T	140	18	3	
115	Slv.	A	6.0	4765	5KHC3WQA0790T	182	22	3	ⓔ		
230	Slv.	A	3.5	4739	5KH3WQA0728T	170	20	3			

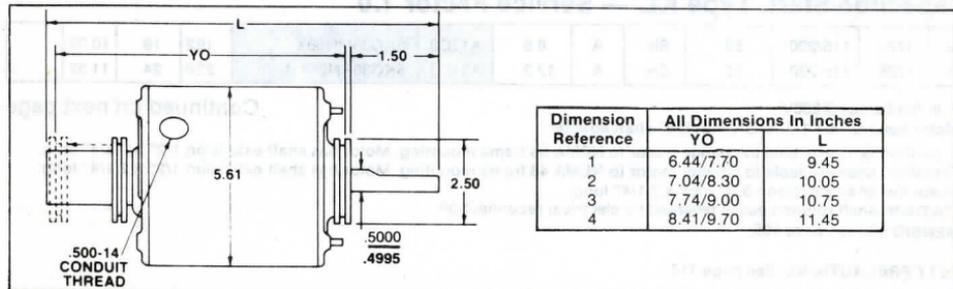
### Two Speed

1/3-1/9	1725-1140	115	Slv.	A	6.2-3.0	H305	5KH3XLA1057X	190	21	4	MΦ ⓐ
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Φ 1.0 service factor      M Individual two-speed control not required (See above)      ⓔ Energy Saver™ Motors  
 ⓐ Full-Load Amps @230 volts.      ⓐ CCW viewing opp. shaft end, not reconnectable.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

### DIMENSIONS:



**SAFETY PRECAUTIONS:** See page 113

**IN WAREHOUSE STOCK**



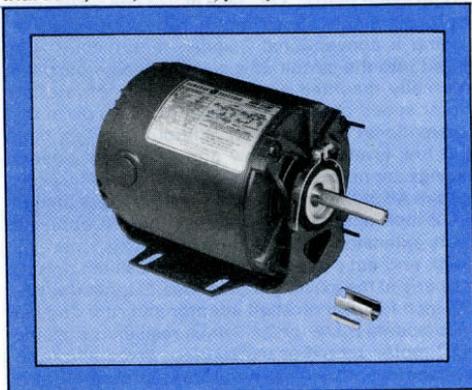
# SERV-S-LINE™ MOTORS

## Single Phase — Replacement Motors

**USES** — These industrial-duty replacement motors are specially designed for commercial and industrial uses, fans, blowers, pumps and other moderate

starting torque jobs such as shop power tools, small compressors, and farm uses, and many others.

These Serv-S-Line™ motors have many unique features that make them highly functional and versatile. You can easily replace many motors now in use on many applications. Versatile mounting is afforded by resilient cradle base, extended thru-bolts on the shaft-end, and 1 1/2- or 2 1/4-inch long shaft extension. These open motors have sleeve bearings for moderate loads, ball bearings to take heavy loads and resilient bases to provide vibration isolation. This specially engineered motor line features dual-voltage, split-phase and capacitor-start designs, which fit many applications and voltage requirements. As an added feature, these 115/230 dual voltage motors with NEMA service factors have an alternate rating of 100/200 volts with a 1.0 service factor. Auto-set thermal protection is provided for added safety. Motors are easily reversible, continuous duty. A threaded conduit outlet offers fast conduit connections as well.



HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Split-Phase, Type KH — NEMA Service Factor

1/4	1725	115/230	48Z	Ball	A	5.6	A14D1	5KH33FN15T	\$128	13	9.57	A
1/3	3450	115/230	48Z	Ball	A	6.8	A13D2	5KH35FN153T	130	15	9.95	A
	1725	115	56Z	Siv.	A	5.6	4756	5KH3UHA0462T	130	16	9.35	A
1/2	1725	115/230	56Z	Ball	A	6.6	A13D1	5KH35JN30T	146	16	10.26	B
		230	56Z	Siv.	A	2.8	4757	5KH3UHA0503T	138	16	9.35	A②
		115	56Z	Siv.	A	7.2	4758	5KH3XPA0463T	182	22	9.95	A
		115/230	56Z	Ball	A	8.8	A12D1	5KH36MN22T	198	18	10.69	B
		230	56Z	Siv.	A	3.6	4759	5KH3XPA0504T	190	22	9.95	A②

### Split-Phase, Type KH — Service Factor 1.0

1/3	1725	115	56Z	Siv.	A	6.3	4776	5KH3UKA0465T	118	16	9.35	A
1/2	1725	115	56Z	Siv.	A	8.1	4778	5KH3XQA0466T	148	20	9.95	A

### Capacitor-Start, Type KC — NEMA Service Factor

1/2	3450	115/230	48Z	Ball	A	7.4	A12D2	5KC37LN107T	168	18	10.78	A
3/4	3450	115/230	56Z	Ball	A	9.8	A34D2	5KC37NN108T	214	22	11.09	B
	1725	115/230	56Z	Ball	A	12.0	A34D1	5KC39UN7T	298	27	12.22	C
1	3450	115/230	56Z	Ball	A	12.4	A10D2	5KC38RN92T	246	26	11.69	C
	1725	115/230	56Z	Ball	A	13.6	A10D1	5KC48TG726T	328	35	13.06	C
1 1/2	3450	115/230	56Z	Ball	A	16.8	A15D2	5KC47PG1298T	318	32	12.25	C

### Capacitor-Start, Type KC — Service Factor 1.0

1/2	1725	115/230	56	Siv.	A	8.6	A12D3	5KC36MN58X	192	19	10.32	
3/4	1725	115/230	56	Siv.	A	12.2	A34D3	5KC38RN26X	228	24	11.32	

② Full-load amps @230V

A Motor has 1/2" x 1 1/2" shaft with 5/8" shaft adapter.

B Transition base available to change motor to NEMA 56 frame mounting. Motor has shaft extension 1/2" x 2 1/4" long.

C Transition base available to change motor to NEMA 48 frame mounting. Motor has shaft extension 1/2" x 2 1/4" long.

D Motor has shaft extension 5/8" inch x 2 1/4" long.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

Continued on next page

SAFETY PRECAUTIONS: See page 113



# SERV-S-LINE™ MOTORS

## Single Phase — Replacement Motors

Continued from previous page

### Transition Accessories:

Stock Number	Part Number	Accessory	List Price GO-1	Transition
1/2" Shaft Models	161L115AA1	Shaft Adaptor and Key	\$ 2	From 1/2" to 5/8"
5/8" Shaft Models	161L115AA2	Shaft Adaptor and Key	2	From 5/8" to 3/4"
A12D1	161L113AA4	Resilient Base and Latches	10	To 48 Frame Mounting
A12D2	161L113AD4	Resilient Base and Latches	10	To 56 Frame Mounting
A13D1	161L113AA3	Resilient Base and Latches	10	To 48 Frame Mounting
A13D2	161L113AD2	Resilient Base and Latches	10	To 56 Frame Mounting
A14D1	161L113AD1	Resilient Base and Latches	10	To 56 Frame Mounting
A34D2	161L113AA5	Resilient Base and Latches	10	To 48 Frame Mounting

*General Electric Motors offer many quality features...*

#### QUIET, ALL-ANGLE SLEEVE BEARINGS

Large babbitt-lined sleeve bearings are precision machined to extremely close tolerances for accurate alignment, quiet operation, and long, dependable opera-



tion. The high accuracy of alignment helps insure that the shaft is supported by a maximum bearing surface, thus reducing bearing wear to a minimum.

Wide-angle bearing oil grooves distribute the lubricant evenly over the entire bearing surface, eliminating the possibility of 'dry spots' and metal contact. This even, continuous distribution of freshly filtered oil cleans as it lubricates, washing away any abrasive foreign particles.

The General Electric all-angle sleeve bearing motor offers users the opportunity to use standard sleeve-bearing motors for non-horizontal mounting where more costly special motors have formerly been required.

#### POLYESTER INSULATION RESISTS MOISTURE

Polyester film is an extremely tough, amazingly water-resistant modern synthetic.

The remarkable physical, electrical, thermal, and chemical characteristics of this material make it ideal for motor insulation.

The moisture resistance of polyester film is tested to be 35 times greater than that of the ordinary paper insulation used in motors of less advanced design. It will absorb less than one-half of one per cent moisture when submerged.



**SAFETY PRECAUTIONS:** See page 113



# DIRECT-DRIVE SPECIFIC FAN AND BLOWER REPLACEMENT MOTORS

## 5 1/2-Inch Diameter — Permanent Split Capacitor, Type KCP — Shaded Pole, Type KSP

**USES:** These service motors are exact replacements for specific OEM high volume fan and blower motors used on air conditioning and refrigeration

equipment. They are tailored to original equipment specifications. Permanent split capacitor motors are designed for use with 370 volt capacitors.

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @230	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	"C" Dim.	Foot Notes
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### Shaded Pole — Type KSP

1/8	1550	230	Slv.	A	2.1	-	3011	5KSP39DG4220S	\$97	12	6.14	Ⓚ
1/6	1550	208-230	Slv.	A	2.5	-	3057	5KSP39FG4771S	95	12	6.38	Ⓚ Ⓟ
		230	Slv.	A	2.6	-	3051	5KSP39FG4144S	87	11	7.38	Ⓚ Ⓟ Ⓠ

### Permanent Split Capacitor — Type KCP

1/5	1075	208-230	Slv.	A	1.7	4	3012	5KCP39GG5606S	118	13	7.38	Ⓚ Ⓟ
		230	Slv.	A	1.7	4	3009	5KCP39GG3611S	126	14	7.39	Ⓚ Ⓟ
1/4	1625	230	Slv.	A	1.4	5	3047	5KCP39GGD320T	101	13	7.63	Ⓚ Ⓟ
		208-230	Slv.	A	2.0	5	3061	5KCP39DGA931T	122	11	11.00	Ⓠ Ⓟ
1/3	1625	208-230	Slv.	A	2.9	5	3001	5KCP39KG1369S	132	16	9.14	Ⓚ Ⓟ
		208-230	Slv.	A	2.6	4	3074	5KCP39HGA499T	117	13	9.75	Ⓠ Ⓟ
		825	Slv.	A	3.2	4	3050	5KCP39PG9701T	168	19	9.89	Ⓠ Ⓟ
1/2	1075	230	Ball	A	2.4	12.5	3005	5KCP39PGC092S	166	18	8.21	Ⓚ Ⓟ
		208-230	Ball	A	4.0	7.5	3132	5KCP39PGC138T	170	20	11.13	Ⓠ Ⓟ
		208-230	Slv.	A	3.8	5	3092	5KCP39NGD369T	169	20	23.00	Ⓠ

### Three-Speed — Delco Inside Out Replacement Motors

1/3	1075	208-230	Slv.	A	1.9	5	3060	5KCP39GGA862T	132	14	13.76	@
		208-230	Slv.	A	1.9	5	3070	5KCP39GGB158T	124	13	14.00	@ Ⓟ

Ⓠ CCW viewing opposite shaft end. Not reconnectable.

Ⓚ CW viewing opposite shaft end. Not reconnectable.

Ⓟ Does not include resilient base.

Ⓠ Capacitor included.

@ CCW rotation only viewing lead end and not reconnectable. These models are designed specifically for relacing Delco inside-out motors and are not intended for other applications.

### POLYESTER INSULATION RESISTS MOISTURE

Polyester film is an extremely tough, amazingly water-resistant modern synthetic.

The remarkable physical, electrical, thermal, and chemical characteristics of this material make it ideal for fractional-horsepower motor insulation.

The moisture resistance of polyester film is tested to be 35 times greater than that of the ordinary paper insulation used in motors of less advanced design. It will absorb less than one-half of one per cent moisture when submerged.





# DIRECT-DRIVE BLOWER MOTORS

## 5 1/2-Inch Diameter — Shaded Pole, Type KSP — Single & Three Speed — Open — Set Rotation



**USES:** These reliable, single and three-speed motors are designed specifically for use in residential and commercial furnace and air conditioning applications.

These direct-drive motors are the most dependable motors available. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Single shaft motors have numbered 12-inch leads, and double shaft motors have numbered 14-inch leads. Rotation is CCW viewing the lead end. The all-angle sleeve bearing system permits mounting the motor in any position. Three speed double shaft models include extended thru-bolts and a length adapter equipped with 2 1/4-inch resilient ring to duplicate the length of the motor being replaced. Split-rings for changing from 2 1/4-inch resilient rings to 2 1/2-inch resilient rings are supplied in the kit.

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @115V	370V Run Cap. (mfd)	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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### Single Speed — 2 1/4" Resilient Rings — Single Shaft — 60/50 Hertz

1/8	1550	115	Siv.	A	4.5	—	3341	5KSP39DG2908T	\$82	9	E3	②
		208-230	Siv.	A	2.2	—	3342	5KSP39DG2910T	84	9	E3	
	1050	115	Siv.	A	4.5	—	3141	5KSP39FG2912T	86	10	E3	②
		208-230	Siv.	A	2.2	—	3142	5KSP39FG2914T	88	10	E3	
1/6	1550	115	Siv.	A	5.0	—	3351	5KSP39FG2916T	87	11	E5	②
		208-230	Siv.	A	2.9	—	3352	5KSP39FG2918T	89	11	E5	
	1050	115	Siv.	A	5.8	—	3151	5KSP39HG2920T	91	12	E5	②
		208-230	Siv.	A	2.8	—	3152	5KSP39HG2922T	93	12	E5	
1/4	1550	115	Siv.	A	7.5	—	3371	5KSP39KG2924T	95	14	E8	②
		208-230	Siv.	A	3.7	—	3372	5KSP39KG2926T	97	14	E8	
	1050	115	Siv.	A	9.2	—	3171	5KSP39MG2928T	101	14	E8	②
		208-230	Siv.	A	4.7	—	3172	5KSP39MG2930T	103	14	E8	

### Three-Speed — 2 1/2" Unbonded Rings — Single Shaft — 60/50 Hertz

1/8	1050	115	Siv.	A	5.4	—	3941	5KSP39DG6124T	91	9	E1	
1/5	1050	115	Siv.	A	6.8	—	3961	5KSP39FG6125T	96	10	E2	
1/4	1050	115	Siv.	A	9.0	—	3971	5KSP39MG6126T	107	15	E6	

### Three-Speed — 2 1/4" Resilient Rings — Double Shaft — 60/50 Hertz

1/10	1050	115	Siv.	A	3.7	—	3531	5KSP39DG4936T	\$117	11	B9	②
		208-230	Siv.	A	1.9	—	3532	5KSP39DG4937T	119	11	B9	
1/8	1050	115	Siv.	A	4.5	—	3541	5KSP39FG2662T	120	12	B13	②
		208-230	Siv.	A	2.2	—	3542	5KSP39FG2663T	122	12	B13	
1/6	1050	115	Siv.	A	5.8	—	3551	5KSP39HG4938T	125	13	B4	②
		208-230	Siv.	A	2.8	—	3552	5KSP39HG4939T	127	13	B4	
1/4	1550	115	Siv.	A	7.5	—	3771	5KSP39KG4934T	129	15	B10	②
		208-230	Siv.	A	3.7	—	3772	5KSP39KG4935T	131	15	B10	
	1050	115	Siv.	A	9.2	—	3571	5KSP39MG2666T	135	16	B14	②
		208-230	Siv.	A	4.7	—	3572	5KSP39MG2667T	137	16	B14	

② Full-load amps @230V.

Ⓜ 60 Hertz.

ROTATION: CCW viewing lead end.

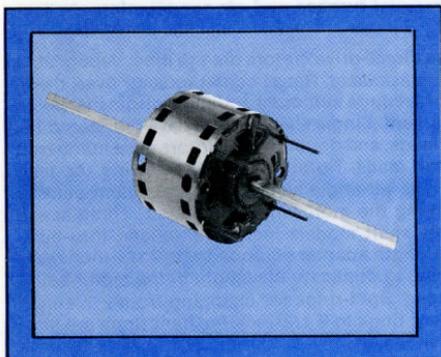
DIMENSIONS: See pages 108 and 110

SAFETY PRECAUTIONS: See page 113



# DIRECT-DRIVE SHADED POLE REPLACEMENT MOTORS

5-Inch Diameter — Shaded Pole, Type KSP — 29-Frame  
(9000 Series) — Multi-Speed — Open — Set Rotation



**USES** — GE 29-frame, steel end shield motors are ideally suited for a variety of applications, including remote fan-coil units, furnace blowers, evaporative coolers, space heaters, blowers, and air conditioning.

These Serv-S-Line™ motors are designed to meet and exceed original equipment requirements. Resilient rings, reoilable sleeve bearings and automatic reset overload protection give you the ultimate in replacement motor reliability. This versatile line of motors offer counterclockwise rotation viewing lead end, open construction, a 12-inch ground lead and 12-inch power leads. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. The double shaft motors are supplied with a length adapter kit to provide mounting flexibility.

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @115	No. of Speeds	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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## Double-Shaft — 60 Hertz

1/15	1000	115	Slv.	A	2.7	4	2904	5KSP29BK9001T	\$99	8	D12	
1/12	1500	115	Slv.	A	4.0	3	2906	5KSP29BK9010T	93	8	D3	
1/10	1000	115	Slv.	A	4.5	5	2901	5KSP29DK9003T	104	9	D8	
1/8	1500	115	Slv.	A	5.5	3	2915	5KSP29FK9016T	99	10	D9	

## Single Shaft — 60 Hertz

1/5	1030	115	Slv.	A	7.6	4	2981	5KSP29KK1818T	94	10	D1	
	1000	115	Slv.	A	7.1	4	2923	5KSP29KK9020T	99	10	D2	
	208-230	115	Slv.	A	3.6	4	2924	5KSP29KK9021T	101	10	D2	②

② Full-load amps @230V.

**ROTATION:** CCW viewing lead end.

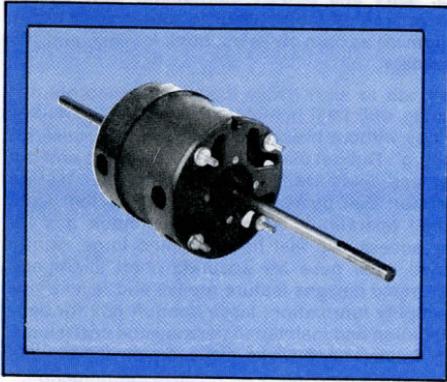
**DIMENSIONS:** See page 109

**SAFETY PRECAUTIONS:** See page 113



# DIRECT-DRIVE SHADED POLE & PERMANENT SPLIT CAPACITOR REPLACEMENT MOTORS

3 1/2-Inch Diameter — Shaded Pole, Type KSM — Permanent Split Capacitor, Type KPM — Three Speed — Open — Set Rotation



**USES:** These motors are ideally suited for use in appliances such as room air conditioners, evaporative coolers and forced-draft space heaters. Other popular uses include humidifiers, ventilators, range hoods, dehumidifiers and other similar fan applications.

The General Electric 3 1/2-inch diameter replacement motors feature Unitized® motor construction, reoilable, all-angle sleeve bearings and 12-inch leads. These versatile 3-speed 60-Hertz, open motors, designed with automatic reset thermal overload protection, are ideal for many of your replacement applications. Rated continuous air over, these motors require sufficient cooling air from the driven equipment. Type KPM motors are designed for use with run capacitor rated 4 mfd 370 volts. (Capacitor and bracket not included.)

HP	Speed RPM	Volts	Brg.	Therm. Prot.	F.L. Amps @115V	Rot.	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	Dim. Ref.	Foot Notes
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## Three-Speed — Shaded Pole — 60 Hertz

1/80	1550	115	Slv.	A	0.8	CCW	6231	5KSM59AS1503T	\$47	2	F1	Ⓓ
1/25	1550	115	Slv.	A	1.9	CW	6236	5KSM59LS1626T	63	4	F5	Ⓓ
1/20	1550	115	Slv.	A	2.1	CCW	6240	5KSM59GS1579T	60	4	F6	Ⓓ
		230	Slv.	A	1.1	CCW	6242	5KSM59JS1603T	64	4	F2	ⒹⒺ

## Three-Speed — Permanent Split Capacitor — 60 Hertz

1/15	1600	115	Slv.	A	1.0	CW	6291	5KPM59FSK104T	71	4	G4	ⒹⒺ
1/10	1600	115	Slv.	A	2.0	CW	6293	5KPM59KSK105T	74	5	G3	ⒹⒺ

- Ⓓ Full-load amps @230V.
- Ⓔ Rotation viewed from lead end.
- Ⓔ Energy Saver™ motor.

**DIMENSIONS:** See page 110

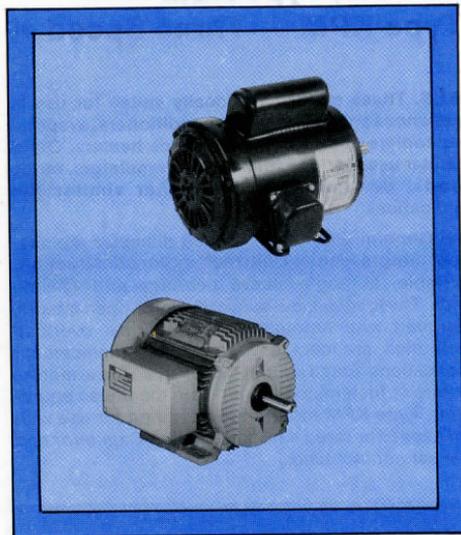
**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK



# FARM DUTY MOTORS

## Single Phase — TEFC — Welded Base



**USES** — Specially designed for long-life operation under the severest conditions, standard torque motors are ideal for feeders, conveyors, augers, fans, dairy and poultry equipment. High torque motors are commonly used to power such heavy equipment as barn cleaners, bunk feeders, and silo unloaders.

Designed to start heavy loads, these motors can operate well past nameplate ratings for extended periods without breakdown or overload "nuisance tripping". Rubber slinger on shaft prevents entry of dust and moisture. Rolled-shell designs feature precision ball bearings (lubricated for ten years normal operation); large, roomy conduit box for easy access and fast hook-up; and large, sturdy welded steel base for accurate shaft alignment. Cast-frame designs feature grease and relief plugs to simplify lubrication; large conduit box for easy installation and maintenance; precision cast-aluminum frame, finned one-piece construction; and perma-numbered leads for positive identification.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Standard Torque

1/3	1725	115/230	56	Ball	M	6.7	F13E1	5KC42HG1040Y	\$320	23	10.70	©
1/2	1725	115/230	56	Ball	M	8.8	F12E1	5KC43MG2366Y	356	28	11.60	©
3/4	1725	115/230	56	Ball	M	11.6	F34E1	5KC45RG1451Y	410	33	12.08	©
1	1725	115/230	56	Ball	M	13.2	F10E1	5KC47UG1278Y	432	40	12.60	©
1½	1725	115/230	145T	Ball	M	14.8	F15E1	5KC49ZG6038Y	492	49	14.34	©
2	1725	230	182TZ	Ball	M	12.4	F20E2	5KC182BL2137U	702	57	14.56	W ⊠
3	1725	230	184TZ	Ball	M	17.0	F30E2	5KC184BL2159U	828	69	15.81	X ⊠
5	1725	230	184TZ	Ball	M	23.0	F50E2	5KC184BL2160U	1140	84	16.00	Y ⊠

### High Torque

1	1725	230	143T	Ball	M	6.3	F10E2	5KC47UG6014Y	500	40	12.97	
1½	1725	230	145T	Ball	M	7.8	F15E2	5KC49QG6031U	552	51	14.41	
		230	182TZ	Ball	M	10.2	F15E4	5KC182BL2119U	648	53	14.56	W ⊠
2	1725	230	182TZ	Ball	M	13.2	F20E1	5KC182BL2120U	762	58	14.56	W ⊠
3	1725	230	184TZ	Ball	M	22.0	F30E1	5KC184BL2131U	888	75	15.81	X ⊠
5	1725	230	184TZ	Ball	M	32.0	F50E1	5KC184BL2132U	1210	90	15.81	X ⊠
		230	215TZ	Ball	M	25.8	F950	5KC215BL2337U	1137	119	19.50	X ⊠ ⊠ ⊠
7½	1725	230	215TZ	Ball	M	36.3	F951	5KC215BL2338U	1390	134	19.50	X ⊠ ⊠ ⊠
10	1725	230	215TZ	Ball	M	43.4	F952	5KC215BL2339U	1561	135	19.50	X ⊠ ⊠ ⊠

© Full-load amps @115V.

W Shaft is 7/8" x 2 3/4"

X Shaft is 1 1/8" x 3"

Y Shaft is 1 1/8" x 3 3/16"

⊠ Motor is cast-aluminum construction with feet.

⊠ GO-7SF Multiplier

**ROTATION:** Shaft rotation easily reversed by electrical connection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# INSTANTLY REVERSIBLE MOTORS

## Single-Phase — Open — NEMA SF

**USES** — You'll find this instantly reversible motor suitable for use on door operators, machine tools, cranes, hoists, gates, hospital beds and any other applications requiring remote-control instant reversibility.



You can depend on instant reversibility with this motor. There is no internal relay to delay reversing action. A dependable reversing device is built in the motor, eliminating the need for relays and assuring instant response when the external control is switched from one position to another. Fast, simple wiring is provided by five easy-to-connect leads in a roomy connection box, and a threaded conduit hole for easy conduit connection. This continuous-duty open motor may be mounted in any position. In a horizontal position it meets NEMA specifications for dripproof enclosure. Take advantage of the all-angle sleeve-bearing, solid-base design which provides mounting versatility, quiet operation, and absorbs moderate thrust loads. Factory-lubricated, precision ball bearings are available for heavier thrust loads. UL recognized optional manual-reset thermal protection is available.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
1/4	1725	115	48	Slv.	N	5.2	C382	5KC36JN40	\$173	16	10.00	
1/3	1725	115	56	Slv.	N	6.6	C383	5KC36LN32	208	18	10.32	
		115	56	Ball	M	6.6	C384	5KC36LN43Y	230	18	10.32	
1/2	1725	115	56	Slv.	N	9.2	C385	5KC37NN22	246	20	10.72	
		115	56	Ball	M	9.2	C386	5KC37NN25Y	268	20	10.72	
		230	56	Slv.	N	4.6	C481	5KC37NN23	246	20	10.72	
3/4	1725	115	56	Slv.	N	12.0	C387	5KC39UN10	303	28	11.85	
		115	56	Ball	M	12.0	C388	5KC39UN12Y	325	29	11.85	
		230	56	Slv.	N	6.0	C482	5KC39UN11	303	28	11.85	
1	1725	115	56	Ball	N	13.8	C483	5KC47RG820	350	34	11.88	

**NOTE:** These motors are designed to be used with a three-pole, double-throw, external reversing or drum switch connected to the motor by five leads. External switch and connecting leads are to be furnished by the customer.

**DIMENSIONS:** See page 106

*General Electric Motors offer many quality features...*

### **BONDING TREATMENT MAKES STATOR RIGID**

Upon completion of the stator-winding manufacturing operation, the entire assembly is thoroughly dipped in a bath of protective polyester varnish. The assembly is then baked in high temperature ovens to bond stator core and windings into a strong, solid unit. This improved stator

treatment gives the motor's power package a strong rigidity which resists movement of conductors even under the severe vibration encountered on such applications as paint mixers. The treatment also offers excellent protection against the harm-producing effects of heat, moisture, abrasion, and deterioration.

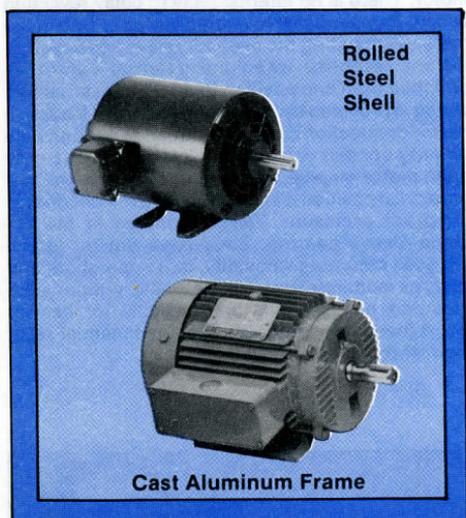
**SAFETY PRECAUTIONS:** See page 113



# CONVEYOR/MATERIAL HANDLING MOTORS

## Single and Three Phase — Open and TEFC —

### NEMA and 1.0 SF



**USES** — Ideally suited for heavy-duty commercial and industrial uses such as conveyor drives and other material handling equipment.

These motors are built for highly dependable operation on hard-to-start jobs and are equipped with prelubricated ball bearings to take heavy loads. They have sturdy solid bases to withstand shock and vibration. Stators and windings are impregnated with a special compound to provide a strong durable insulation system. Motors in this versatile line are capacitor-start, single-phase or 3-phase. They're available in open, dripproof construction for normal ambients or totally enclosed, fan-cooled models for use in dirty, dusty atmospheres. All designs conform to NEMA standards. It's easy to quickly change the voltage connection or the rotation on these motors; and the wiring is simple and fast. Open motors have NEMA service factors and enclosed motors have 1.0 service factors.

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Capacitor Start, Type KC — Dripproof

1/4	1725	115/230	48	Ball	5.2	C147	5KC35JN10	\$162	16	9.57	
1/3	1725	115/230	56	Ball	8.8	C158	5KC36LN7	196	18	10.32	
1/2	1725	115/230	56	Ball	9.2	C167	5KC37NN6	232	20	10.72	
3/4	1725	115/230	56	Ball	12.6	C175	5KC39UN3	286	28	11.85	
1	1725	115/230	56	Ball	13.8	C181	5KC47RG735	308	34	11.88	
1½	1725	115/230	56H	Ball	18.5	C185	5KC49WG527	360	46	13.83	
2	1725	115/230	145T	Ball	22.0	C193	5KC49QG6006	462	55	15.34	

### Capacitor Start, Type KC — TEFC

1/2	1725	115/230	56	Ball	8.2	C261	5KC37RN24	256	24	11.76	
3/4	1725	115/230	56	Ball	11.6	C268	5KC45RG1183	310	34	12.08	
1	1725	115/230	56	Ball	13.2	C275	5KC47UG694	332	40	12.60	
1½	1725	115/230	56H	Ball	14.8	C281	5KC49ZG522	384	48	13.91	

### Three Phase, Type K — Dripproof

3/4	1725	230/460	56	Ball	2.8	K119	5K37PN2	248	20	10.72	② D
1	1725	230/460	56	Ball	3.2	K122	5K38SN3	254	25	11.32	② D
		230/460	143T	Ball	3.6	K127	5K43MG8049	262	26	11.25	② D
1½	1725	230/460	56H	Ball	5.6	K125	5K45PG973	282	32	11.36	② D
		230/460	145T	Ball	5.6	K130	5K45PG8004	290	32	11.73	② D

Continued on next page

② Full-load amps @ 230V.

D Nameplated for use on 208-230/460 Volts.

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113



# CONVEYOR/MATERIAL HANDLING MOTORS

## Single and Three Phase — Open and TEFC —

### NEMA and 1.0 SF

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Three Phase, Type K — Dripproof

2	1725	230/460	145T	Ball	6.6	K133	5K49UG8001	\$ 318	40	14.26	D
3	1725	230/460	145T	Ball	9.2	K135	5K49ZG8010	338	51	16.01	
		230/460	182T	Ball	8.6	K140	5K182AL214	358	51	13.58	□
5	1725	230/460	184T	Ball	14.2	K141	5K184AL217	398	62	14.58	□
7½	1750	230/460	213T	Ball	10.5	S101	5K213AL205	408	76	17.31	AL□
10	1750	230/460	215T	Ball	13.4	S103	5K215AL205	516	85	17.31	AL□
15	1750	230/460	254T	Ball	21.0	S105	5K254AL205	677	129	22.31	AL□
20	1750	230/460	256T	Ball	25.5	S108	5K256AL205	843	149	22.31	AL□
25	1750	230/460	284T	Ball	32.3	S110	5K284AL205	993	205	24.94	AL□
30	1750	230/460	286T	Ball	37.0	S112	5K286AL205	1160	230	24.94	AL□
40	1750	230/460	324T	Ball	51.0	S114	5K324AL205	1446	295	27.56	AL□
50	1750	230/460	326T	Ball	61.1	S116	5K326AL205	1688	335	27.56	AL□
60	1750	230/460	364T	Ball	73.9	S1181	5K364AL205	2125	517	29.69	AL□
75	1750	230/460	365T	Ball	91.0	S1201	5K365AL205	2703	517	29.69	AL□
100	1750	230/460	404T	Ball	118.4	S1221	5K404AL205	3483	803	34.06	AL□
125	1750	460	405T	Ball	147.0	S1241	5K405AL208	4006	803	34.06	AL□
150	1750	460	444T	Ball	181.0	S126	5K444AL208	5760	1111	39.81	AL□
200	1750	460	445T	Ball	236.0	S128	5K445AL208	7022	1111	39.81	AL□
250	1750	460	445T	Ball	298.0	S130	5K445AL209	8863	1111	39.81	AL□

### Three-Phase, Type K — TEFC

3/4	1725	230/460	56	Ball	2.8	K161	5K36PN250	272	21	11.36	
1	1725	230/460	56	Ball	3.6	K164	5K43MG5455	278	27	11.60	
		230/460	143T	Ball	3.6	K171	5K43MG8051	286	27	11.97	
1½	1725	230/460	56H	Ball	4.8	K167	5K45SG1069	306	35	12.08	
		230/460	145T	Ball	4.8	K176	5K45SG8007	314	35	12.45	
2	1725	230/460	145T	Ball	6.6	K179	5K47UG8010	342	39	12.97	
3	1725	230/460	182T	Ball	8.6	K184	5K182BL218	418	51	14.56	□
5	1725	230/460	184T	Ball	14.2	K185	5K184BL220	458	62	15.56	□
7½	1750	230/460	213T	Ball	10.5	S302	5K213BL205	494	85	19.88	AL□
10	1750	230/460	215T	Ball	11.3	S304	5K215BL205	614	98	19.88	AL□
15	1750	230/460	254T	Ball	20.0	S306	5K254BL205	811	134	25.31	AL□
20	1750	230/460	256T	Ball	24.5	S308	5K256BL205	1025	157	25.31	AL□
25	1750	230/460	284T	Ball	31.2	S310	5K284BL205	1230	220	28.31	AL□
30	1750	230/460	286T	Ball	36.0	S312	5K286BL205	1494	250	28.31	AL□
40	1750	230/460	324T	Ball	49.0	S314	5K324BL205	1932	330	31.75	AL□
50	1750	230/460	326T	Ball	60.6	S316	5K326BL205	2487	385	31.75	AL□
60	1750	230/460	364T	Ball	73.9	S3181	5K364BL205	3734	528	33.94	AL□
75	1750	230/460	365T	Ball	89.5	S3201	5K365BL205	4773	528	33.94	AL□
100	1750	460	405T	Ball	117.0	S3221	5K405BL208	5756	805	38.81	AL□
125	1750	460	444T	Ball	152.0	S324	5K444BL208	7425	1133	44.94	AL□
150	1750	460	445T	Ball	176.0	S326	5K445BL208	9031	1133	44.94	AL□
200	1750	460	445T	Ball	232.0	S328	5K445BL209	10927	1133	44.94	AL□
250	1750	460	445T	Ball	286.0	S330	5K445BL210	13448	1133	44.94	AL□

D Nameplated for use on 208-230/460 volts.

λ Full-load amps @ 460V

□ Cast aluminum construction with feet.

L GO-7ST Multiplier

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK



# NEMA "C" FACE MOTORS FOR GEAR REDUCERS

## Single and Three-phase — Open and TEFC



Open Rolled Steel Shell



TEFC Cast Aluminum Frame

**USES** — These motors are constructed for end mounting to right-angle and parallel-shaft gear reducers designed for NEMA 56C through 286TC face mount. In extremely dusty or dirty environments, the enclosed construction is recommended.

These durable rugged motors conform to NEMA standard dimensions and performance specification. They have dynamically balanced rotors and preloaded ball bearings that are lubricated for ten years of normal operation. That means low maintenance for you. The stator and windings are specially

treated to provide a tough insulation system. And you get dependable motor performance with this continuous-duty motor, available in both open and totally enclosed, fan-cooled construction. GE TEFC motors are cooled by an outboard fan. They have a roomy conduit box that allows easy access to motor leads for fast connection. These motors can be mounted horizontally or vertically. For vertical applications of open motors, a drip cover is needed if a drip-proof enclosure is required. All models have specially treated shafts that resist rust and corrosion.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Capacitor-Start — Open

1/4	1725	115	56C	Ball	A	5.2	C353	5KC35JN69X	\$174	15	9.88	©
		115/230	56C	Ball	A	2.6	C354	5KC35JN70X	184	15	9.88	
1/3	1725	115/230	56C	Ball	N	3.3	C355	5KC36LN83	206	16	10.31	
		115/230	56C	Ball	A	3.3	C356	5KC36LN83X	214	16	10.31	
1/2	1725	115/230	56C	Ball	N	4.6	C358	5KC37NN76	242	19	10.71	
		115/230	56C	Ball	A	4.6	C359	5KC37NN76X	250	19	10.71	
3/4	1725	115/230	56C	Ball	N	6.0	C361	5KC39UN47	296	26	11.84	
		115/230	56C	Ball	A	6.0	C362	5KC39UN47X	304	26	11.84	
1	1725	115/230	56C	Ball	A	6.9	C363	5KC47RG736X	326	32	11.83	

### Capacitor-Start — TEFC

1/4	1725	115	56C	Ball	N	5.4	C365	5KC32GN24	192	16	10.30	©
		115/230	56C	Ball	N	2.7	C366	5KC32GN25	200	16	10.30	
1/3	1725	115/230	56C	Ball	N	3.0	C367	5KC35MN73	230	19	10.93	
1/2	1725	115/230	56C	Ball	N	4.1	C368	5KC37RN81	266	23	11.76	
3/4	1725	115/230	56C	Ball	N	5.8	C369	5KC45RG1181	320	33	12.08	
1	1725	115/230	56C	Ball	N	6.6	C370	5KC47UG695	342	40	12.60	
1 1/2	1725	115/230	56C	Ball	N	7.4	C371	5KC49ZG530	394	47	13.94	

© Full-load amps @115V.

ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 107

Continued on next page

SAFETY PRECAUTIONS: See page 113



# NEMA "C" FACE MOTORS FOR GEAR REDUCERS

## Single and Three Phase — Open and TEFC

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @230V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
<b>Three Phase — Open</b>												
1/4	1725	230/460	56C	Ball	N	1.4	K247	5K33GN44	\$182	13	9.50	
1/3	1725	230/460	56C	Ball	N	1.5	K248	5K35KN50	206	17	9.88	
1/2	1725	230/460	56C	Ball	N	2.2	K249	5K36MN48	232	18	10.31	
3/4	1725	230/460	56C	Ball	N	2.8	K250	5K37PN35	258	20	10.71	
1	1725	230/460	56C	Ball	N	3.2	K251	5K38SN45	264	21	11.31	
		230/460	143TC	Ball	N	3.6	K471	5K43MG8071	272	26	10.84	
1½	1725	230/460	145TC	Ball	N	5.6	K327	5K45PG8033	300	30	11.32	
2	1725	230/460	145TC	Ball	N	6.6	K472	5K49UG8094	328	38	13.85	
3	1725	230/460	182TC	Ball	N	8.6	K497	5K182JL254	406	61	14.33	Ⓜ
5	1725	230/460	184TC	Ball	N	14.2	K498	5K184JL2146	446	71	15.33	Ⓜ

### Three Phase — TEFC

1/4	1725	230/460	56C	Ball	N	1.4	K252	5K32GN36	206	16	10.30	
1/3	1725	230/460	56C	Ball	N	1.6	K253	5K33KN42	230	18	10.55	
1/2	1725	230/460	56C	Ball	N	2.4	K254	5K35MN48	256	19	10.93	
3/4	1725	230/460	56C	Ball	N	2.8	K255	5K36PN253	282	21	11.36	
1	1725	230/460	56C	Ball	N	3.6	K256	5K43MG5462	288	28	11.60	
		230/460	143TC	Ball	N	3.6	K328	5K43MG8073	296	28	11.72	
1½	1725	230/460	56C	Ball	N	4.8	K257	5K45SG1071	316	33	12.08	
		230/460	145TC	Ball	N	4.8	K329	5K45SG8035	324	34	12.24	
2	1725	230/460	145TC	Ball	N	6.6	K330	5K47NG8056	352	38	12.72	
3	1725	230/460	182TC	Ball	N	8.6	K262	5K182KL286	466	61	15.31	Ⓜ
5	1725	230/460	184TC	Ball	N	14.2	K263	5K184KL289	506	71	16.31	Ⓜ
7½	1750	230/460	213TC	Ball	N	9.8	S6201	5K213KL217	570	116	20.56	ⓂⓂ
10	1750	230/460	215TC	Ball	N	13.7	S6211	5K215KL254	690	127	20.56	ⓂⓂ
15	1750	230/460	254TC	Ball	N	18.8	S6221	5K254KL218	910	196	25.81	ⓂⓂ
20	1750	230/460	256TC	Ball	N	25.2	S6231	5K256KL264	1124	215	25.81	ⓂⓂ
25	1750	230/460	284TC	Ball	N	30.1	S6241	5K284KL230	1370	301	28.32	ⓂⓂ
30	1750	230/460	286TC	Ball	N	35.8	S6251	5K286KL242	1634	334	28.32	ⓂⓂ

Ⓜ GO-7MN Multiplier

Δ Full-load amps @460V

Ⓜ Cast aluminum construction with feet

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 107

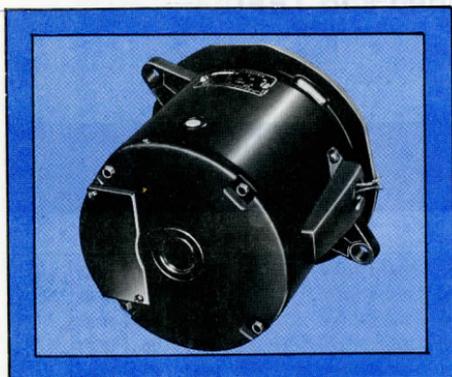
**SAFETY PRECAUTIONS:** See page 113

IN WAREHOUSE STOCK



# MOTORS FOR OIL BURNERS

## Single-Phase — TENV and Dripproof — 1.0 SF



**USES** — These dependable oil-burner motors have been specially designed for operation of domestic, commercial, and industrial oil burners. They will also meet your replacement-motor needs where NEMA 48M or 48N flange mounting is required.

These continuous-duty TENV motors meet all UL requirements for enclosure. You're assured quiet, dependable operation by a positive snap-action, time-tested centrifugal mechanism. The stator and windings are specially treated to provide a tough insulation bond. All-angle, babbit-lined sleeve bearings and a dynamically balanced rotor further assure quiet operation. Built into this motor is a manual-reset thermal protection device. The easily accessible terminal box allows fast connection or rotation change.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Split-Phase — Totally Enclosed, Nonventilated

1/8	1725	115	48M	Slv.	M	3.1	4400	5XBB022	\$105	10	7.28	
		115	48N	Slv.	M	2.6	4782	5KH3JBA0210U	96	11	7.38	
1/7	3450	115	48M	Slv.	M	2.4	B17M1	5KH39CN21Y	118	12	8.47	
		115	48M	Slv.	M	2.8	B16M1	5KH32DN99Y	126	12	8.72	
1/6	1725	115	48N	Slv.	M	3.5	4784	5KH3KDA0211U	104	12	7.58	
		115	48N	Slv.	M	3.6	B14N1	5KH33FN76Y	141	15	8.97	
1/4	1725	115	48N	Slv.	M	4.4	4786	5KH3KDA0688U	124	12	7.72	
		115	48N	Slv.	M	5.2	4787	5XBG063	144	16	8.18	

### Capacitor-Start — Dripproof

1/3	3450	115/230	48N	Slv.	M	6.8	B13N1	5KC35FN71Y	160	15	9.97	
1/2	3450	115/230	48N	Slv.	M	7.0	B12N1	5KC36JN74Y	196	18	10.41	

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See next page

Continued on next page

*General Electric Motors offer many quality features...*

### DYNAMICALLY BALANCED ROTOR

Induction rotors are pressure-cast aluminum for good electrical performance, and their closed-slot design virtually eliminates high-pitch sound. Dense, cast-aluminum windings carry induced rotor

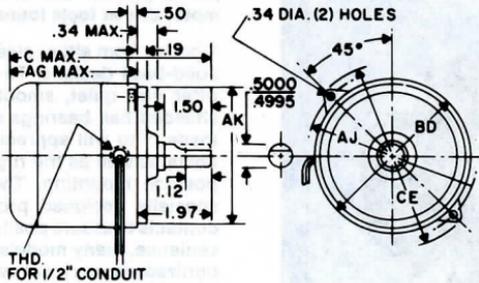
currents easily without excessive heating. These rotors are specially annealed and shrunk fit on shafts to provide permanent anchorage. Each rotor is individually tested and dynamically balanced for quiet, smooth operation.



# MOTORS FOR OIL BURNERS

## Single-Phase — TENV and Dripproof — 1.0 SF

Continued from previous page



### Dimensions:

HP	Speed	NEMA Frame	Dimensions in Inches (For estimating only)					
			C Max.	AG Max.	AJ	AK	BD Max.	CE Max.
1/8	1725	48M	7.28	5.23	6.75	5.50	6.25	7.52
		48N	7.38	5.33	7.25	6.38	6.73	8.02
1/7	3450	48M	8.47	6.41	6.75	5.50	6.01	7.52
		48N	8.72	6.66	6.75	5.50	6.01	7.52
1/6	3450	48M	8.72	6.66	6.75	5.50	6.01	7.52
		48N	7.58	5.53	7.25	6.38	6.73	8.02
1/4	3450	48N	8.97	6.91	7.25	6.38	6.96	8.02
		48N	7.72	5.65	7.25	6.38	6.73	8.02
1/3	3450	48N	9.97	7.91	7.25	6.38	6.96	8.02
		48N	8.18	6.13	7.25	6.38	6.73	8.02
1/2	3450	48N	10.41	8.34	7.25	6.38	6.96	8.02

SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK



# MOTORS FOR SHOP AND HOME-WORKSHOP POWER TOOLS

## Single-Phase — Open — 1.0 SF



**USES** — These electrically reversible motors are suitable for use with high-speed tools such as wood lathes, wood shapers, sanders, grinders, table saws, jointer-planers and small drill presses and other motor driven tools found in many workshops.

Choose from either sleeve-bearing or ball-bearing, solid-base designs. The all-angle sleeve bearings offer you quiet, smooth operation while single-shielded ball bearings should be used for heavier loads. You will appreciate quick terminal disconnects as well as the rugged steel housing and all-position mounting. These models incorporate a specially designed protective cover over switch contacts to assure positive operation. For your convenience, many models are equipped with UL recognized manual reset overload protectors. Optional double-shaft extension models are listed. These 1.0 service factor motors should be used where load will not exceed nameplate rating. You can depend on these open, dripproof motors to conform to NEMA standards.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Single-Shaft

1/4	1725	115	48	Siv.	N	5.2	C100	5KC33FN9	\$130	14	8.94	
1/3	1725	115	48	Siv.	N	6.6	C102	5KC35JN9	138	16	9.57	
		115/230	56	Ball	M	6.6	C105	5KC35JN27Y	180	16	9.89	
1/2	3450	115/230	56	Siv.	N	8.0	C447	5KC36JN131	128	17	10.32	
		115/230	56	Siv.	N	8.4	C109	5KC36MN6	180	19	10.32	
		115/230	56	Ball	M	8.4	C110	5KC36MN28Y	210	19	10.32	
3/4	3450	115/230	56	Siv.	N	11.2	C448	5KC37LN131	144	19	10.72	
		115/230	56	Siv.	N	11.6	C115	5KC38RN7	216	24	11.32	
		115/230	56	Ball	M	11.6	C117	5KC38RN17U	246	24	11.32	
1	3450	115/230	56	Ball	N	13.4	C118	5KC37NN90	202	20	10.72	
		115/230	56	Siv.	N	14.2	C119	5KC45PG804	290	32	11.36	

### Double-Shaft

1/2	3450	115/230	48Z	Siv.	N	8.0	C392	5KC36JN87	140	17	11.40	6
		115/230	56Z	Siv.	N	8.4	C393	5KC36MN20	196	18	12.16	7
3/4	3450	115/230	48Z	Siv.	N	11.2	C394	5KC37LN86	156	19	11.80	6
1	3450	115/230	56Z	Siv.	N	13.4	C449	5KC37NN160	202	22	12.58	7

6 Both shaft extensions 1 1/2" long by 1/2" dia. with flat.

7 Both shaft extensions 1 7/8" by 5/8" dia. with keyway.

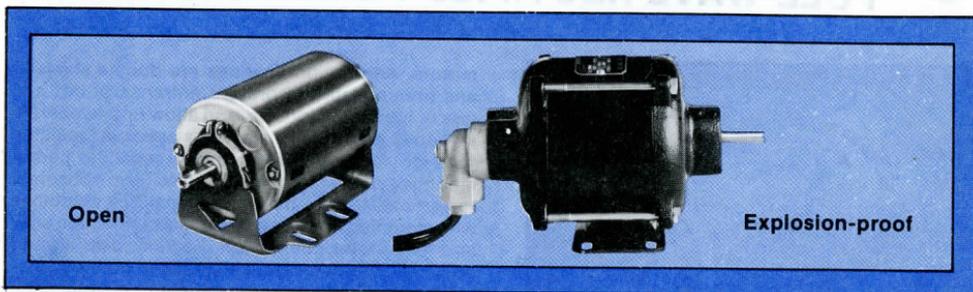
**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 106

**SAFETY PRECAUTIONS:** See page 113

# SMALL INDUCTION MOTORS

## Single-Phase — Open, TEFC and Explosion-Proof



**USES** — These versatile open and totally enclosed, fan-cooled motors are adaptable to a wide range of applications including small pumps, compressors, electric typewriters, cash registers, copying machines, data processing equipment, hair dryers, oil burners, ironers, fans and blowers. Consider these small, light-weight motors whenever you need high power in a compact package. Where motors are required to be listed by Underwriters' Laboratories for hazardous locations, the explosion-proof construction meets your needs. The model listed is designed for general application or fan duty in Class I, Groups C and D and Class II, Groups E, F and G. For NEC definition of classes and groups, see "Installation and Maintenance of Motors" section of this catalog. Typical locations for application of this explosion-proof model are dry-cleaning and dyeing plants, paint and varnish factories, alcohol and acetone plants, gasoline refineries, hospitals and laboratories, flour and feed mills, grain elevators, and starch, sugar, coke or coal plants.

On the open and totally enclosed, fan-cooled, continuous-duty motors, minimum maintenance is required. They offer you quiet operation and long life thanks to the rugged cast aluminum end shields and the strong bonding effect of the epoxy-based stator treatment. They can be used for all-angle operation with either babbitt-lined sleeve bearings or ball bearings. Open motors are drip-proof when mounted horizontally. Starting relays are mounted inside the motors (except as noted).

The explosion-proof model has the same high-quality electrical components as the open and totally enclosed, fan-cooled models. An internal centrifugal mechanism provides start-winding switching. The motor is built with overbolt construction using cast-iron endshields and shell. Special machining and construction is used to assure conformance with UL standards. The motor has a UL recognized internal over-temperature circuit-interrupting device and is listed for use in hazardous locations as specified.

HP	RPM	Volts	NEMA Frame	Brg.	Prot.	F.L. Amps @115V	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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### Solid Base — Open

1/20	1725	115	42	Siv.	N	1.4	H100	5KH19FGR312	\$145	7	6.99	
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### Resilient Base — Open

1/20	1725	115	42	Siv.	N	1.4	H103	5KH19FGR300	147	7	6.99	
1/12	1725	115	42	Siv.	N	2.2	H104	5KH19MGR302	160	9	7.74	
		230	42	Siv.	N	1.1	H289	5KH19MGR303	168	9	7.74	②
1/8	3450	115	42	Siv.	N	2.2	H283	5KH19HG214	131	7	6.47	☒
1/6	3450	115	42	Siv.	N	2.7	H284	5KH19KG216	135	8	6.72	☒

### Solid Base — Totally Enclosed, Fan-Cooled

1/20	1725	115	42	Ball	N	1.4	H101	5KH19FGR329	186	7	7.95	
1/12	3450	115	42	Ball	N	2.2	H102	5KH19KGR331	196	9	8.70	

### Solid Base — Explosion-Proof — Class I (C, D) & Class II (E, F, G)

1/20	1725	115	42	Ball	A	1.3	H105	5KH25MG102X	328	15	8.91	
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☒ Relay not included. ② Full-load amps @230V.

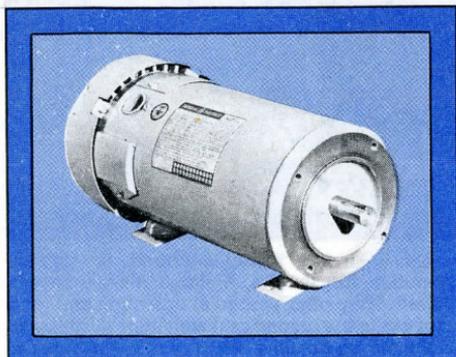
ROTATION: Shaft rotation easily reversed by electrical reconnection.

DIMENSIONS: See page 106

SAFETY PRECAUTIONS: See page 113



# K-3™ DC MOTORS FOR M-G SET AND FULL-WAVE RECTIFIED POWER SUPPLIES



**USES:** These motors are specially designed for long life. Typical applications include machine tools, material handling, packaging machines, conveyors, textile machines, pumps, and testing equipment.

With suitable control, these motors offer control of acceleration and deceleration, rapid pinpoint positioning, stepless choice of speeds, preset speeds of any number in any timing sequence, frequent starts and stops, dynamic or regenerative braking, close regulation with feed-back control, operation at low setting-up speeds and coordination of two or more

motors. Antifriction bearings are double shielded and prelubricated to prevent entrance of dirt and loss of lubricating grease, and allow unit to operate smoothly and quietly. Bearings specially selected for high radial and axial thrust capacity, permit mounting of the motor at all angles from horizontal to vertical. A large built-in terminal box combines with identified motor leads to make connection easy and fast. Motor connection diagram, bearing and brush catalog numbers, are included on the nameplate, simplifying motor installation, maintenance and renewal parts ordering. Easily removable single screw cover plates and constant pressure brush springs permit quick and easy brush replacement. Brushes are mounted to the frame surface allowing the use of longer brushes, decreasing the frequency of brush replacement. The K-3 line of industrial dc motors has been designed for general purpose application with rectified ac power supplies. K-3 motors are shunt wound, C face or foot mounted, TEFC machines intended for variable speed operation by armature voltage control. Distinctive features of these motors are: continuous rated torque to 5% base speed (with free-wheeling); constant torque per ampere; positive, low speed regulation; speed change from cold to hot less than 5%; low inertia; TEFC construction; low reactance voltage; 200V/100V reconnectable fields; and C-face mounting.

## K-3 MOTOR — 180 Volts (Rectifier Type K)

HP	Speed, RPM		Frame Type CD	Stock No.	Model Number	List Price GO-2L	Est. Shpg. Wt. (lbs)	"C" Dim	Foot-Notes	
	AI Base Speed	Base Speed RPM								Rated Top Speed RPM
1		2500	2750	146ATC	D300	5CD122NE001B	\$455	48	15.61	
		1750	2050	146ATC	D301	5CD122HE001B	465	48	15.61	
		1150	1380	148ATC	D302	5CD123GE001B	545	59	16.86	
1½		2500	2750	148ATC	D303	5CD123UE001B	550	59	16.86	
		1750	2050	148ATC	D304	5CD123PE001B	560	59	16.86	
		1150	1380	1412ATC	D305	5CD125TE001B	710	93	20.73	
2		2500	2750	148ATC	D306	5CD123UE002B	660	59	16.86	
		1750	2050	149ATC	D307	5CD124TE001B	670	69	17.98	
		1150	1380	1412ATC	D308	5CD125TE002B	850	93	20.73	
3		2500	2750	1412ATC	D309	5CD125YE001B	850	93	20.73	
		1750	2050	1412ATC	D310	5CD125WE001B	860	93	20.73	

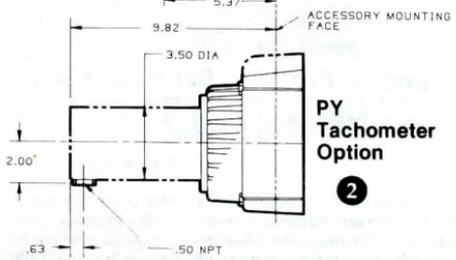
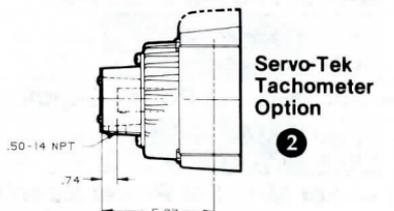
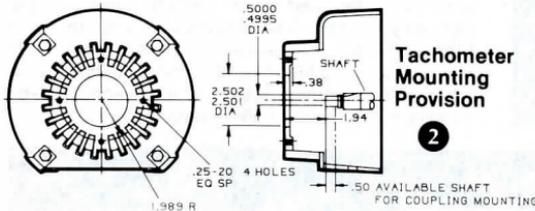
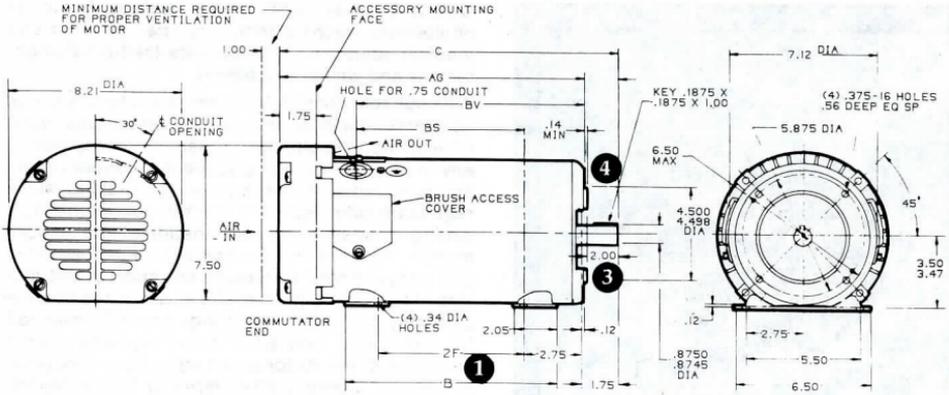
**ACCESSORIES:** see next page

**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** see next page



# K-3™ DC MOTORS FOR M-G SET AND FULL-WAVE RECTIFIED POWER SUPPLIES



- 1 Footed option available in kit form will be furnished only when specifically ordered.
- 2 Tachometer mounting options available in kit form (less tach) will be furnished only when specifically ordered.
- 3 Represents minimum length of shaft available for hubs.
- 4 Mounting face will be square and rabbet diameter concentric with shaft within .004 inch total indicator reading. Shaft runout not to exceed .002 inch total indicator reading.

## K-3 MOTOR DIMENSIONS IN INCHES

Frame	B	C	2F	AG	BS	BV	Approx Net Wt. Lbs.
CD146	8.64	15.61	5.50	13.49	6.80	9.68	48
CD148	10.14	16.86	7.00	14.74	8.05	10.93	59
CD149	11.14	17.98	8.00	15.86	9.17	12.05	69
CD1412	14.14	20.73	11.00	18.61	11.92	14.80	93

## K-3 MOTOR ACCESSORIES

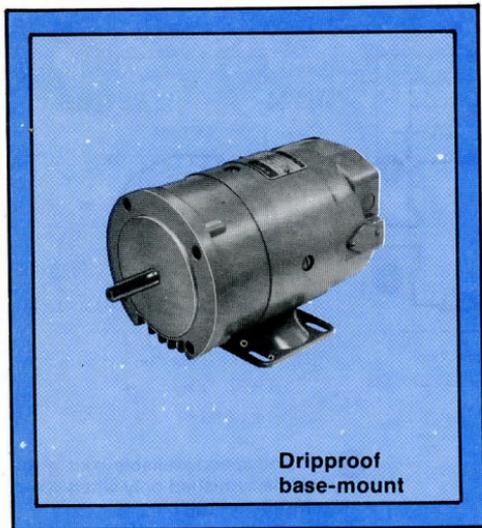
Customer Mounted Kits	Catalog Number	List-Price GO-2L
Foot Mounting Kit	893A658AAG01	\$15
Thermostat Kit	893A659AAG01	38
PY Tachometer Mounting Kit—Less Tach	893A690AAG01	54
Servo Tek Tachometer Mounting Kit—Less Tach	893A666AAG01	54

SAFETY PRECAUTIONS: See page 113

IN WAREHOUSE STOCK



# DC MOTORS FOR M-G SET AND FULL-WAVE RECTIFIED POWER SUPPLIES



**Drip-proof  
base-mount**

**USES:** Typical applications include business equipment, machine tools, material handling and medical equipment, variable-rate feed-drive applications and similar equipment.

With suitable control, these motors offer control of acceleration and deceleration, rapid pinpoint positioning, stepless choice of speeds, preset speeds of any number in any timing sequence, frequent starts and stops, dynamic or regenerative braking, close regulation with feed-back control, operation at low setting-up speeds and coordination of two or more motors. Antifriction bearings are double shielded and prelubricated to prevent entrance of dirt and loss of lubricating grease, and allow unit to operate smoothly and quietly. Bearings specially selected for high radial and axial thrust capacity, permit mounting of the motor at all angles from horizontal to vertical. A large built-in terminal box combines with long, identified motor leads to make connection easy and fast. A large fan on the shaft provides highly efficient ventilation, allowing the motor to run cool for long life. The 56 frame models are supplied with a welded base and accessory bolt-on bases are available for 56C frame models.

HP	RPM	Volts	NEMA Frame	Brg.	Avg. F.L. Amps	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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## Drip-proof — Shunt-Wound — For M-G Set Power Supplies

1/3	1725	115	56	Ball	3.0	D106	5BCC56CD10	\$428	26	11.2	
1/2	1725	115	56	Ball	4.2	D107	5BCC56ED8	532	31	12.0	

## Drip-proof — Compound-Wound — For M-G Set Power Supplies

1/3	1725	115	56	Ball	3.3	D109	5BCJ56CD9	472	26	11.2	
1/2	1725	115	56	Ball	4.1	D110	5BCJ56ED7	584	31	12.0	

## Totally Enclosed — Shunt-Wound — For M-G Set Power Supplies

1/4	1725	230	56	Ball	1.2	D111	5BCC56BD34	428	23	10.8	★
1/2	1725	230	56	Ball	2.0	D112	5BCC56KD6	572	37	13.2	★

## Totally Enclosed — Compound-Wound — For M-G Set Power Supplies

1/4	1725	230	56	Ball	1.3	D113	5BCJ56BD34	468	23	10.8	★
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★ Totally enclosed, nonventilated

Continued on next page

**Performance characteristics:** When DC motors are used on rectified power, the AC ripple content of the rectified current will influence motor performance characteristics, such as commutation and heating, in relation to the increase in form factor. Frame sizes listed have been selected to keep motor heating within the insulation class limits for typically encountered form factors. Actual motor heating should be determined by testing with the intended power supply and is the responsibility of the purchaser.

**ROTATION:** Motors can be easily connected for either rotation.

**DIMENSIONS:** See page 106

# DC MOTORS FOR M-G SET AND FULL-WAVE RECTIFIED POWER SUPPLIES

Continued from previous page

HP	RPM	Volts	NEMA Frame	Brg.	Avg. F.L. Amps	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim.	Foot-Notes
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## Totally Enclosed — Shunt-Wound — For Full-wave Rectified Power Supplies

1/4	1725	90V Arm/ 100V Field	56C	Ball	2.8	D115	5BCD56CD247	423	24	11.19	★
1/2	1725	90V Arm/ 100V Field	56C	Ball	5.0	D116	5BCD56ND88	554	42	13.94	★
3/4	1725	90V Arm/ 100V Field	56C	Ball	8.4	D117	5BCD56RD397	625	55	15.94	□
		180V Arm/ 200V Field	56C	Ball	3.8	D135	5BCD56RD418	637	55	15.94	□
1	1725	180V Arm/ 200V Field	56C	Ball	5.1	D118	5BCD56RD398	726	56	15.94	□

★ Totally enclosed, non-ventilated

□ Totally enclosed, fan cooled

**Performance characteristics:** When DC motors are used on rectified power, the AC ripple content of the rectified current will influence motor performance characteristics, such as commutation and heating, in relation to the increase in form factor. Frame sizes listed have been selected to keep motor heating within the insulation class limits for typically encountered form factors. Actual motor heating should be determined by testing with the intended power supply and is the responsibility of the purchaser.

**ROTATION:** Motors can be easily connected for either rotation.

**DIMENSIONS:** See page 107

## ACCESSORIES: (For Full-wave Rectified Power Models Only)

	Accessory	Catalog	List Price GO-1	
			1-9	10 & Up
	Bolt-on base attachment kit (includes shims, washers, bolts). Order separately.	1/4 HP 161L494AA-G1	\$7	\$5
		1/2 HP up 161L495AA-G1	7	5

**SAFETY PRECAUTIONS:** See page 113



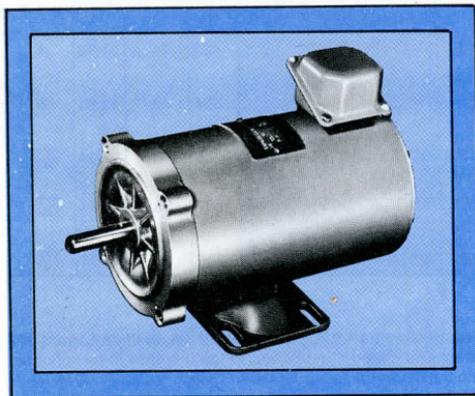
# PERMANENT-MAGNET DC MOTORS

## TENV and TEFC — for Full-wave Rectified Power Supplies — 56C Face with Bolted-on Base

**USES** — Typical applications for these adjustable-speed drive motors include industrial production equipment, machine tools, printing equipment, tape-reel drives, business machines, material-handling equipment, medical equipment, printing

presses, mechanical-transmission equipment, variable rate-feed-drive equipment, door operators, and similar equipment.

Consistent, repeatable and reliable performance is available from these durable and stable 56-frame DC motors. Permanently enclosed magnets prevent damage from loose magnets or magnet chips. A specially designed armature features a proven ground insulation system, a large commutator and large shaft. Durable steel shell and die-cast aluminum end shields protect the motor from dust and dirt and other airborne contaminants. Ball bearings, lubricated with high-quality grease, provide smooth, trouble-free operation. Roomy conduit box makes hook-up easy. These motors afford controlled dynamic braking when electric power is turned off or fails. They offer reduced costs, too, since they do not require field power supply, field power consumption, or field power leads and connections. These motors have a machined surface on the opposite shaft end with provisions for mounting a tachometer kit and tachometer. In addition all models listed are equipped with a bolt on base providing 56 frame base mounting dimensions.



HP	Speed RPM	Armature Volts	NEMA Frame	Max. Peak Current	F.L. Amps	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim	Foot-Notes
1/4	1725	90	56C	30	2.8	D100	5BPB56HAA100	\$298	21	10.87	★
1/3	1725	90	56C	40	3.6	D101	5BPB56KAA102	330	26	11.87	★
1/2	1725	90	56C	52	5.5	D102	5BPB56KAA100	362	29	12.83	☐
3/4	1725	90	56C	70	8.0	D103	5BPB56PAA100	443	39	14.83	☐
		180	56C	34	4.0	D104	5BPB56PAA101	463	39	14.83	☐
1	1725	90	56C	88	10.7	D134	5BPB56SAA100	534	44	14.83	☐
		180	56C	44	5.2	D105	5BPB56SAA101	558	44	14.83	☐

☐ Totally enclosed, fan-cooled

★ Totally enclosed, non-ventilated

**CAUTION:** Permanent magnet field may demagnetize if peak current is exceeded.

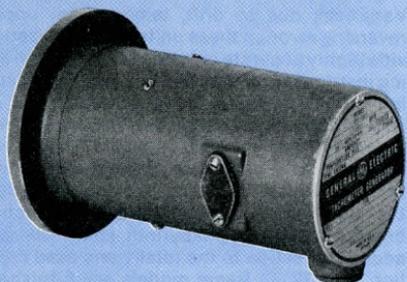
**ROTATION:** Shaft rotation easily reversed by electrical reconnection.

**DIMENSIONS:** See page 107



# AC AND DC TACHOMETER GENERATORS

## PY59 Frame — Totally Enclosed



**DC Flange-mounted tachometer generator**



**AC Flange-mounted tachometer generator**

**USES** — These tachometer generators are used for speed indication on steel and aluminum mill drives, all types of machine tools, paper machines, and wherever speed indication is required. These units are also used as a signal source in a speed-regulated drive scheme and where highly accurate speed measurement is desirable or necessary.

When used with suitable instrumentation, these tachometer generators will measure rotational speeds from 100 to 5000 rpm and linear speeds which can be measured in terms of rpm. Mechanical versatility is provided by rolled-steel shell-type construction;

and built-in terminal board and conduit-connector boss. Base or precision machined end-flange mounting makes possible a rugged, versatile, compact unit. They're lightweight and totally enclosed to prevent entry of foreign materials and to protect Alnico permanent-magnet rotor and inner parts. Bakelite bushing fits into conduit connector boss to prevent frayed leads where conduit is not used. DC, two-pole, ball-bearing tachometer generators provide accurate speed measurement in ranges from 100 to 5000 rpm. Four-pole, AC units serve speed ranges from 400 to 5000 rpm. Both AC and DC units incorporate a signal source for speed regulation.

Speed Range RPM	Volts per 1000 RPM	GE Frame	Brg.	Maximum Continuous Current	Stock No.	Model No.	List Price	Est. Shpg. Wt. (Lbs.)	"C" Dim	Foot-Notes
<b>AC — 4-Pole — Flange Mounting</b>										
400-5000	28	59	Ball	350 milliamp	D120	5PY59EY2	\$208	5	6.00	
<b>AC — 4-Pole — Base Mounting</b>										
400-5000	28	59	Ball	350 milliamp	D121	5PY59EY3	198	5	6.00	
<b>DC — 2-Pole — Flange Mounting</b>										
100-2500	100	59	Ball	200 milliamp	D122	5PY59JY1	576	7	7.47	
100-5000	50	59	Ball	400 milliamp	D123	5PY59JY2	576	7	7.47	
<b>DC — 2-Pole — Base Mounting</b>										
100-2500	100	59	Ball	200 milliamp	D124	5PY59JY23	576	7	7.47	
100-5000	50	59	Ball	400 milliamp	D125	5PY59JY24	576	7	7.47	

**ROTATION:** Units will operate either rotation or reversing service. Reversing service on JY2 and JY24 up to 2500 rpm.  
**DIMENSIONS:** See page 111

**SAFETY PRECAUTIONS:** See page 113



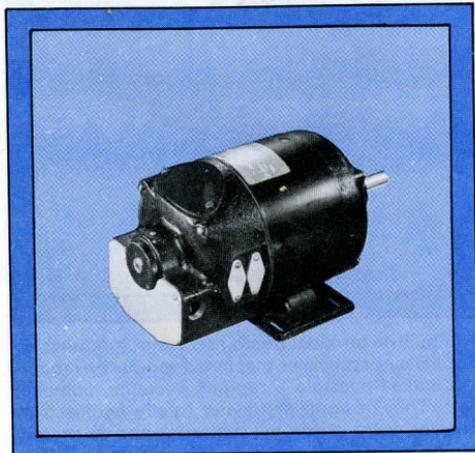
# DC TACHOMETER GENERATORS

## BC42 and BC46 Frames — Totally Enclosed

**USES** — These GE type BC42 and 46 frame tachometer generators provide exceptionally linear voltage outputs in direct proportion to speed. The totally enclosed rugged design make these units particularly suited for heavy duty applications such

as steel, paper, and textile drives and other industrial machinery utilizing adjustable speed drives.

Variations due to drift, temperature, ripple and reversing error on these units are minimized to provide highly accurate input signals for speed indicating instruments and for velocity feedback in regulating control systems. Each generator will supply enough power to operate one instrument and one recorder. The type BC46 models will handle several recorders and indicators. The tubular steel shell and cast iron end shields provide a rugged durable construction. Double shielded anti-friction ball bearings and a long labyrinth shaft seal provide added protection to the totally enclosed construction. The BC42 frame models are furnished with terminal board and screw terminals for convenient connection. BC46 frame models are provided with leads for soldered connections to eliminate the possibility of output voltage variations because of high resistance joints. All single shaft extension models have a stub shaft on the commutator end for taking hand-tachometer speed readings. Other features include a solidly welded steel base on footed units, air and load stabilized Alnico permanent-magnet fields, built-in temperature compensation, and, on the BC46 models, a stabilized brush mechanism.



Speed Range RPM	Volts Per 1000 RPM	NEMA Frame	Brg.	Maximum Continuous Current	Stock No.	Model No.	List Price	Est. Shpg. Wt. (lbs.)	"C" Dim.	Foot-Notes
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### Solid Base — Single-Shaft Extension

100-5000	50	56	Ball	100 milliamp	D126	5BC42AB1729	\$1080	27	10.31	
100-2750	100	56	Ball	50 milliamp	D136	5BC42AB1834	1080	27	10.31	
100-1375	200	56	Ball	25 milliamp	D137	5BC42AB1830	1080	27	10.31	
100-5000	50	56	Ball	200 milliamp	D127	5BC46AB1570	1900	37	12.58	
100-3600	100	56	Ball	100 milliamp	D128	5BC46AB1571	1900	37	12.58	
100-1800	200	56	Ball	50 milliamp	D138	5BC46AB1572	1900	37	12.58	

### Solid Base — Double-Shaft Extension

100-3600	100	56Z	Ball	100 milliamp	D139	5BC46AB1581	1920	37	14.46	<input checked="" type="checkbox"/>
100-1800	200	56Z	Ball	50 milliamp	D140	5BC46AB1582	1920	37	14.46	<input checked="" type="checkbox"/>

### NEMA C Face — Single-Shaft Extension

100-5000	50	56C	Ball	100 milliamp	D141	5BC42AB1780	1092	30	10.31	
100-2750	100	56C	Ball	50 milliamp	D142	5BC42AB1882	1092	30	10.31	
100-5000	50	56C	Ball	200 milliamp	D130	5BC46AB1590	1912	40	12.58	
100-3600	100	56C	Ball	100 milliamp	D131	5BC46AB1591	1912	40	12.58	

### NEMA C Face and Welded Base — Double-Shaft Extension

100-2750	100	56CZ	Ball	50 milliamp	D143	5BC42AB2177	1150	33	12.25	<input checked="" type="checkbox"/>
100-5000	50	56CZ	Ball	200 milliamp	D144	5BC46AB2291	1970	42	14.46	<input checked="" type="checkbox"/>
100-3600	100	56CZ	Ball	100 milliamp	D132	5BC46AB2014	1970	42	14.46	<input checked="" type="checkbox"/>
100-1800	200	56CZ	Ball	50 milliamp	D133	5BC46AB2082	1970	42	14.46	<input checked="" type="checkbox"/>

Both shaft extensions 1 7/8" long by 5/8" diameter with keyway.

**ROTATION:** Units will operate either rotation or reversing service.

**DIMENSIONS:** See pages 106 and 107

**SAFETY PRECAUTIONS:** See page 113

# ACCESSORIES

## STANDARD BASES FOR GENERAL PURPOSE PUMP AND MOTOR



### NOTES

1. The base is designed to support the motor and pump in a vertical position. It is not intended to support the motor and pump in a horizontal position. The base is designed to support the motor and pump in a vertical position. It is not intended to support the motor and pump in a horizontal position. The base is designed to support the motor and pump in a vertical position. It is not intended to support the motor and pump in a horizontal position.

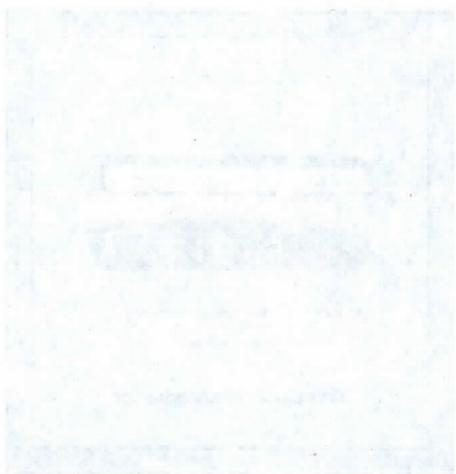


Motor Size	Base Size	Weight	Material
1/2 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
3/4 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
1 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
1 1/2 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
2 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
3 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
4 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
5 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
6 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
8 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
10 HP	4" x 4" x 4"	1.5 lbs	Cast Iron

## STANDARD BASES FOR GENERAL PURPOSE PUMP AND MOTOR

### STANDARD BASES FOR GENERAL PURPOSE PUMP AND MOTOR

2. The base is designed to support the motor and pump in a vertical position. It is not intended to support the motor and pump in a horizontal position. The base is designed to support the motor and pump in a vertical position. It is not intended to support the motor and pump in a horizontal position. The base is designed to support the motor and pump in a vertical position. It is not intended to support the motor and pump in a horizontal position.

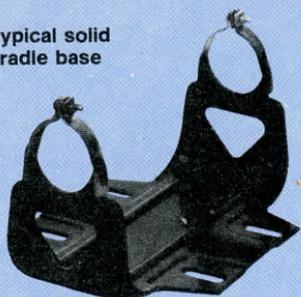


Motor Size	Base Size	Weight	Material
1/2 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
3/4 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
1 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
1 1/2 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
2 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
3 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
4 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
5 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
6 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
8 HP	4" x 4" x 4"	1.5 lbs	Cast Iron
10 HP	4" x 4" x 4"	1.5 lbs	Cast Iron

# ACCESSORIES

## STANDARD BASES FOR GENERAL ELECTRIC FHP AC MOTORS

Typical solid cradle base



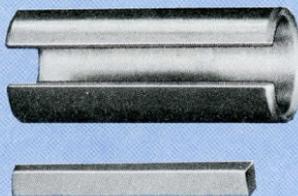
Bases used on General Electric motors have great strength and rigidity, and contribute to the smooth harmonious contours of the motor. Cradle-type bases of steel are clamped firmly over the bearing housing and take advantage of maximum leverage in resisting stresses or twisting. Both solid- and resilient-mounted motors use the same type of cradle base with only a minor modification.

GE Motor Size #	Drawing No.*		List Price (each)
	Solid Base	Resilient Base	
32	161L103AA1	161L113AA1	\$10.00
33	161L103AA2	161L113AA2	10.00
35	161L103AA3	161L113AA3	10.00
36	161L103AA4	161L113AA4	10.00
37	161L103AA5	161L113AA5	10.00
38	161L103AA6	161L113AA6	10.00
42	161L104AA1	161L114AA1	14.00
43	161L104AA2	161L114AA2	14.00
45	161L104AA3	161L114AA3	14.00
47	161L104AA4	161L114AA4	14.00
48	161L104AA5	161L114AA13	14.00

# GE Motor size shown in model no. following prefix of 5KC, 5KH, 5K, etc.

\* Includes base and latch straps.

## TRANSITION SHAFT ADAPTORS



Transition shaft adaptor

Two sizes of shaft adaptors with keys are available for use with motors where the shaft diameter of the new motor is smaller than the shaft of the motor being replaced. One adaptor will increase the shaft diameter from 1/2 in. to 5/8 in. The other adaptor will change the shaft diameter from 5/8 to 3/4 in.

Dwg. No. Shaft Adaptor with key	To Change Shaft Dia.	List Price
161L115AA1	From 1/2 in. to 5/8 in.	\$2.00
161L115AA2	From 5/8 in. to 3/4 in.	2.00

# ACCESSORIES

## SLIDING BASES (143T-215T FRAMES)

These bases have a single adjusting screw and are suitable for the majority of floor-mounted

belt-connected motors. **These bases are not suitable for ceiling or side-wall installations.**

Frame Size	Base No.	List Price
143T	534B909-P5	\$48.00
145T	534B909-P6	48.00
182T	534B909-P1	53.00
184T	534B909-P2	53.00
213T	534B909-P3	42.00 ⑨
215T	534B909-P4	42.00 ⑨

## TRANSITION BASES (143T-215T FRAMES)

When a Tri-Clad 700 motor is to be mounted in place of a Tri-Clad 55 or an original Tri-Clad 44 motor of the same rating, a transition base will compensate for the difference in foot-hole location and shaft height. It also makes the end of the Tri-Clad 700 shaft extension coincide with the end of the shaft of the replaced motor.

**These transition bases are not suitable for ceiling or side-wall mounting.**

Transition bases cannot be mounted on sliding bases because of mounting bolt interference. There are no transition bases for motors replacing motors having the same frame diameter but different length.

T/C 700 Frame	Old Frame	Transition Base No.	List Price
143T, 145T	182, 184	166A9901AA	\$ 67.00
	203, 204	166A9903AA	77.00
	224, 225	166A9903AB	120.00
182T, 184T	213, 215	119A2902AA	86.00
	224, 225	119A2905AA	120.00
	254	119A2905AB	120.00
213T, 215T	254U, 256U	149A5605AA	58.00

⑨ GO-7MN Multiplier

# ACCESSORIES

## GROUND STUD KITS

Two types of ground stud kits for G.E. standard dripproof and TEFC motors are available. The endshield mounted kit includes a silicone bronze alloy stud that replaces any endshield bolt and can be used only on aluminum frame motors. A ground lug must be obtained for use with this kit. The conduit box mounted ground stud kit includes a silicone bronze alloy stud that replaces the lower left conduit box mounting screw used in cast iron, aluminum or steel conduit boxes found on G.E. aluminum and cast iron motors. A ground lug is provided with the conduit box mounted stud kit.

Frame Size	Kit #	List Price G0-7RM
------------	-------	-------------------

### Endshield Kit

213-256	249A4234AA-G01	\$22
284-326	249A4234AA-G02	22
364-405	249A4234AA-G03	25
444-449	249A4234AA-G04	48

### Conduit Box Kit

213T-286T	249A4234AB-G01	16
324T-405T	249A4234AB-G02	44
444T-449T	249A4234AB-G03	44

## "C" FACE ENDSHIELD KITS

This family of endshields is designed as direct replacements for drive end endshields on G.E. standard dripproof and TEFC NEMA 'T' and 'TS' frames. Kits for 213T frame and larger are for only aluminum frame motors and will not fit on a cast iron

frame motor. These endshields are suitable for applications that induce radial loads on the motor shaft. Applications where heavy axial loading is present or where motor is an Energy Saver design should be reviewed with appropriate G.E. personnel.

Frame Size	Rabbit Dia.	Enclosure			
		Dripproof		TEFC	
		Kit #	List Price	Kit #	List Price
182T 184T	4 1/2"	511L165AA-G1	\$ 96	511L165AA-G1	\$ 96
	8 1/2"	511L164AA-G2	120	411L165AA-G2	120
213-215	8 1/2"	128D6008AA1	79 G0-7RM	128D6009AA1	67 G0-7RM
254-256	8 1/2"	128D6108AA1	120 G0-7RM	128D6109AA1	99 G0-7RM
284-286	10 1/2"	128D6204AB1	168 G0-7RM	128D6206AB1	137 G0-7RM
324-326	12 1/2"	128D6304AA1	222 G0-7RM	128D6306AA1	214 G0-7RM
364-365 (Note)	12 1/2"	128D6404AA1	260 G0-7RM	128D6406AA1	222 G0-7RM
404-405 (Note)	12 1/2"	128D6504AA1	279 G0-7RM	128D6506AA1	255 G0-7RM
444-449 (Note)	16 "	128D6604AA1	396 G0-7RM	128D6606AA1	390 G0-7RM

Note: For 1800 RPM & below with T shaft. For 3600 RPM & TS Shaft, refer to factory.

## BRAKE MODIFICATION KITS

These two sizes of brake kits are designed only for TEFC motors and are adaptable for NEMA 182T and 184T frame motors. The kits include complete brake

assembly with a 230/460 volt single phase coil, adaptors and motor identification label.

Frame Size	Brake Lb./Fl.	Kit #	List Price
182T-184T	10	511L166AA-G1	\$540
	15	511L166AA-G2	600

# ACCESSORIES

## SPACE HEATER KITS

Heater kits are designed to raise the temperature of motor windings above normal ambient during shut-down times to reduce or eliminate moisture condensation on the windings. They are suitable for use on both single phase AC or DC voltage supplies. Kits include strip heater, cement and instructions for

cementing to inside of stator frame (143T-184T) or insulation strip, flexible silicon rubber strip heater and instructions for cementing to end turns (213T-449T). These space heater kits should be used with only standard induction type motors of either drip-proof or TEFC construction.

Frame Size	Volts	Watts	Heater Kit No.	List Price
182T-184T	120	45	511L154AA-G2	\$125
213-326	120	40	153B1069AA-G01	62 GO-7RM
	240	40	153B1069AA-G02	62 GO-7RM
	480	40	153B1069AA-G03	62 GO-7RM
364-405	120	100	153B1069AN-G01	94 GO-7RM
	208	85	153B1069AN-G05	114 GO-7RM
	240	100	153B1069AN-G05	114 GO-7RM
	480	100	153B1069AN-G03	114 GO-7RM
444-449	120	145	153B1069AN-G02	124 GO-7RM
	208	120	153B1069AN-G06	124 GO-7RM
	240	145	153B1069AN-G06	124 GO-7RM
	480	145	153B1069AN-G04	128 GO-7RM

## SCREEN KITS

These kits are suitable for G.E. aluminum dripproof motors and consist of corrosion resistant rodent screens for air-intake and discharge openings. Drip-

proof motors properly equipped with these screens will conform to the NEMA Standard MG1-1972 definition of "dripproof fully-guarded."

Frame Size	Kit #	List Price GO-7RM
213T-215T	249A4227AA-G01	\$15
254T-256T	249A4227AA-G02	34
284T-286T	249A4227AA-G03	42
324T-326T	249A4227AA-G04	52
364T-365T	249A4227AA-G05	170
404T-405T	249A4227AA-G06	203
444T-449T	249A4227AA-G07	220

## FOOTNOTES

- § Full load amps @ 200V
- Full load amps @ 220V-50 Hertz
- ▲ Full load amps @ 575V
- λ Full load amps @ 460V
- # Welded Base
- † Outboard Fan
- Φ 1.0 service factor
- 50 Hertz
- ★ Totally enclosed, non-ventilated
- △ Suitable for 40°C ambient 1.15 SF or 65°C ambient 1.0 SF
- @ CCW rotation only viewing lead end and not reconnectable. These motors are designed specifically for replacing DELCO inside-out motors and are not intended for other applications.
- ① Full load amps @ 110V-50 Hertz
- ② Full load amps @ 230V
- ④ Two mounted capacitors
- ⑦ Class I, Group D; Class II, Groups E & F
- ⑧ Class I, Group D; Class II, Groups F & G
- ⑨ G0-7MN Multiplier
- Ⓐ 1/2" x 1 1/2" shaft with 5/8" shaft adapter
- Ⓑ Extended thru-bolts
- Ⓒ Full load amps @ 115V
- Ⓓ Rotation viewed from lead end
- Ⓔ Energy Saver™ Motors
- Ⓕ Extended thru-bolts on drive end
- Ⓖ No capacitor mtg holes in shell. Drain hole in shaft end endshield. Flat face endshield on lead end
- Ⓗ 60 Hertz
- Ⓙ CCW viewing opp. shaft end. not reconnectable.
- Ⓚ CW viewing opp. shaft end. Not reconnectable
- Ⓛ Supplied with 14" leads
- Ⓜ Endshield on lead end is totally enclosed
- Ⓝ Capacitors not supplied with motor unless so noted
- Ⓟ Does not include resilient base
- Ⓡ Shaft is 7/8" x 2 1/4"
- Ⓣ 1/2" x 1 7/8" shaft & 5/8" adapter provided
- Ⓤ Motor has label giving optional rating of 200V, 1.0SF
- Ⓟ Capacitor included
- Ⓡ Shaft is 7/8" x 2 3/4"
- Ⓧ Shaft is 1 1/8" x 3"
- Ⓨ Shaft is 1 1/8" x 3 3/16"
- Ⓛ Cast aluminum construction with feet

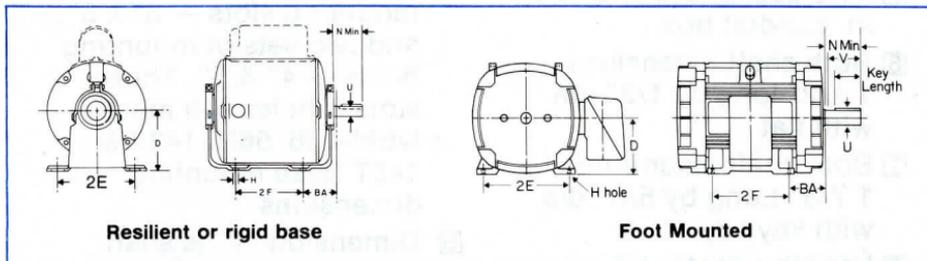
- 2 60/50 Hertz
- 3 G0-7SF Multiplier
- 4 Externally mounted capacitor
- 5 Two capacitors and 16 cu. in. conduit box.
- 6 Both shaft extensions 1 1/2" long by 1/2" dia. with flat
- 7 Both shaft extensions 1 7/8" Long by 5/8" dia. with keyway
- 8 Length adapter kit included.
- 9 Shaft is 1/2" x 1 7/8"
- A Transition base available to change motor to NEMA 56 frame mounting. Motor has shaft extension 1/2" x 2 1/4" long
- B Transition base available to change motor to NEMA 48 frame mounting. Motor has shaft extension 1/2" x 2 1/4" long
- C Shaft extension 5/8" x 2 1/4" long
- D NEMA Service factor.
- E Motor does not have float-weight switch or cord & plug set
- F 4 1/2" rabbet with 7/8" x 2 1/4" shaft
- G For resilient ring mounting, order accessory kit 161L131AB1, \$14.00 list
- H Lead end endshield open
- J Mounted Capacitor
- K Relay not included
- L Totally enclosed, fan cooled
- M CAUTION: Permanent magnet field may demagnetize if peak current is exceeded
- R Bases have two sets of 2F mounting slots — 3" x 5", and two sets of mounting holes — 4" & 5". These slots & holes will match NEMA 56, 56H, 143T & 145T Base mounting dimensions
- S Dimension "V" is shaft length available for coupling, pinion, or pulley hub
- U Shaft extension 1/2" x 1 1/2" long
- V Endshield on shaft end is totally enclosed
- X External cooling air required
- Y Key furnished with motor must be cut to length specified. Do not attempt to assemble with longer key.
- Z G0-7SES Multiplier
  - A Moderate starting torque
  - B Cast aluminum construction.
  - C Weight type switch
  - D Nameplated for use on 208-230/460 volts.
  - E Rolled steel construction with welded base.
  - F Exceeds NEMA Design B locked rotor amps.
- G G0-7XSD Multiplier
- J CCW viewing lead end. Not reconnectable.
- L G0-7ST
- M Individual two-speed control not required

# NEMA MOTOR FRAME DIMENSION STANDARDS

Standardized motor dimensions as established by the National Electric Manufacturers Association (NEMA) are tabulated below and

apply to all base-mounted and face-mounted motors listed with a NEMA frame designation.

## DIMENSIONS

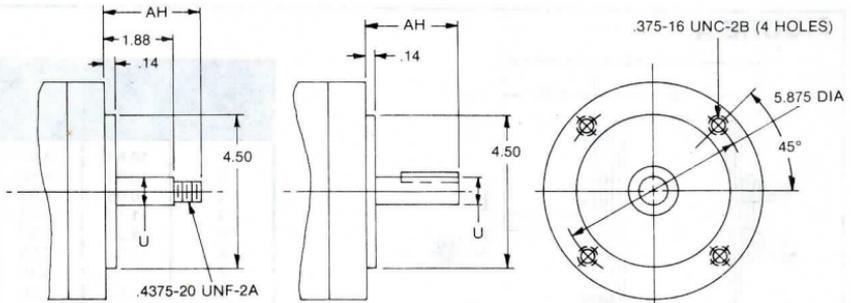


NEMA Frame	—All Dimensions in Inches—							V [S]	Key		
	D	2E	2F	BA	H	N Min.	U		Wide	Thick	Long
42	2.62	3.50	1.69	2.06	0.28 Slot	1.12	0.38	—	0.05 Flat		
48	3.00	4.25	2.75	2.50	0.34 Slot	1.50	0.50	—	0.05 Flat		
56	3.50	4.88	3.00	2.75	0.34 Slot	1.88	0.62	—	0.19	0.19	1.38
56H	3.50	4.88	[R]	2.75	0.34 Slot	1.88	0.62	—	0.19	0.19	1.38
143T	3.50	5.50	4.00	2.25	0.34 Dia.	2.25	0.88	2.00	0.19	0.19	1.38
145T	3.50	5.50	5.00	2.25	0.34 Dia.	2.25	0.88	2.00	0.19	0.19	1.38
182T	4.50	7.50	4.50	2.75	0.41 Dia.	2.75	1.12	2.50	0.25	0.25	1.75
184T	4.50	7.50	5.50	2.75	0.41 Dia.	2.75	1.12	2.50	0.25	0.25	1.75
213T	5.25	8.50	5.50	3.50	0.41 Dia.	3.38	1.38	3.12	0.31	0.31	2.38
215T	5.25	8.50	7.00	3.50	0.41 Dia.	3.38	1.38	3.12	0.31	0.31	2.38
254T	6.25	10.00	8.25	4.25	0.53 Dia.	4.00	1.62	3.75	0.38	0.38	2.88
256T	6.25	10.00	10.00	4.25	0.53 Dia.	4.00	1.62	3.75	0.38	0.38	2.88
284T	7.00	11.00	9.50	4.75	0.53 Dia.	4.62	1.88	4.38	0.50	0.50	3.25
284TS	7.00	11.00	9.50	4.75	0.53 Dia.	3.25	1.62	3.00	0.38	0.38	1.88
286T	7.00	11.00	11.00	4.75	0.53 Dia.	4.62	1.88	4.38	0.50	0.50	3.25
286TS	7.00	11.00	11.00	4.75	0.53 Dia.	3.25	1.62	3.00	0.38	0.38	1.88
324T	8.00	12.50	10.50	5.25	0.66 Dia.	5.25	2.12	5.00	0.50	0.50	3.88
324TS	8.00	12.50	10.50	5.25	0.66 Dia.	3.75	1.88	3.50	0.50	0.50	2.00
326T	8.00	12.50	12.00	5.25	0.66 Dia.	5.25	2.12	5.00	0.50	0.50	3.88
326TS	8.00	12.50	12.00	5.25	0.66 Dia.	3.75	1.88	3.50	0.50	0.50	2.00
364T	9.00	14.00	11.25	5.88	0.69 Dia.	5.88	2.38	5.62	0.62	0.62	4.25
364TS	9.00	14.00	11.25	5.88	0.69 Dia.	3.75	1.88	3.50	0.50	0.50	2.00
365T	9.00	14.00	12.25	5.88	0.69 Dia.	5.88	2.38	5.62	0.62	0.62	4.25
365TS	9.00	14.00	12.25	5.88	0.69 Dia.	3.75	1.88	3.50	0.50	0.50	2.00
404T	10.00	16.00	12.25	6.62	0.81 Dia.	7.25	2.88	7.00	0.75	0.75	5.62
404TS	10.00	16.00	12.25	6.62	0.81 Dia.	4.25	2.12	4.00	0.50	0.50	2.75
405T	10.00	16.00	13.75	6.62	0.81 Dia.	7.25	2.88	7.00	0.75	0.75	5.62
405TS	10.00	16.00	13.75	6.62	0.81 Dia.	4.25	2.12	4.00	0.50	0.50	2.75
444T	11.00	18.00	14.50	7.50	0.81 Dia.	8.50	3.38	8.25	0.88	0.88	6.88
444TS	11.00	18.00	14.50	7.50	0.81 Dia.	4.75	2.38	4.50	0.62	0.62	3.00
445T	11.00	18.00	16.50	7.50	0.81 Dia.	8.50	3.38	8.25	0.88	0.88	6.88
445TS	11.00	18.00	16.50	7.50	0.81 Dia.	4.75	2.38	4.50	0.62	0.62	3.00
447T	11.00	18.00	20.00	7.50	0.81 Dia.	8.50	3.38	8.25	0.88	0.88	6.88
447TS	11.00	18.00	20.00	7.50	0.81 Dia.	4.75	2.38	4.50	0.62	0.62	3.00

[R] Bases have two sets of 2F mounting slots — 3" and 5", and two sets of 2F mounting holes — 4" and 5". These slots and holes will match NEMA 56, 56H, 143T & 145T base-mounting dimensions.

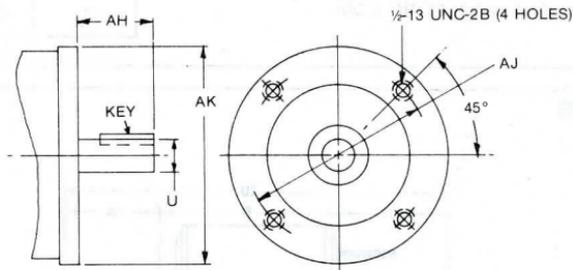
[S] Dimension "V" is shaft length available for coupling, pinion or pulley hub

## NEMA "C" FACE MOUNTING DIMENSIONS



56J FRAME

56C, 143TC & 145TC FRAMES



182TC THRU 286TC FRAME

NEMA FRAME	AH	AJ	AK	U	KEY		
					W	T	L
56C	2.06	5.88	4.50	.625	.19	.19	1.38
56J	2.44	5.88	4.50	.625	—	—	—
143TC-145TC	2.12	5.88	4.50	.875	.19	.19	1.38
182TC-184TC	2.62	7.25	8.50	1.125	0.25	0.25	1.75
213TC-215TC	3.12	7.25	8.50	1.375	0.31	0.31	2.38
254TC-256TC	3.75	7.25	8.50	1.625	0.38	0.38	2.88
284TC-286TC	4.38	9.00	10.50	1.875	0.50	0.50	3.25

## NEMA LETTER DESIGNATIONS FOLLOWING FRAME NUMBER

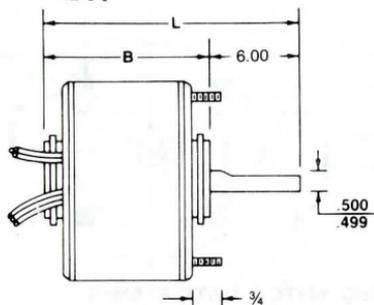
- C— Face mount; see above
- CH— Special face mount (4.50 diameter mounting rabbet in 180T diameter)
- H— Has 2F dimension larger than same frame without H suffix.
- J— Face mount to fit jet pumps; see above
- K— Has hub for sump-pump mounting.
- M— Flange mount for oil burner; 5-1/2" rabbet dia.
- N— Flange mount for oil burner; 6-3/8" rabbet dia.
- T,TS— Integral HP motor dimension standards set by NEMA in 1964
- Y— Non-standard mounting; see mfr's drawing.
- Z— Non-standard shaft extension (N, U dim.)
- JM, JP — Face mount to fit close-coupled pumps



# DIRECT-DRIVE DIMENSIONS

## 3 1/2-, 5-, 5 1/2-Inch Diameter Motors

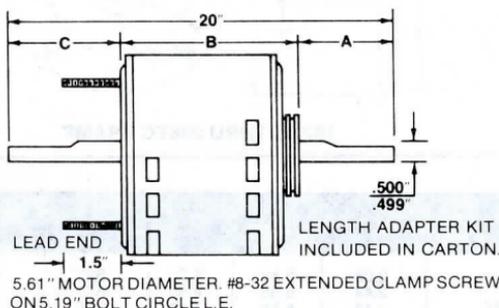
**FIGURE A**



#8-32 EXTENDED CLAMP  
SCREWS ON 5.19 BOLT CIRCLE DIA.

Dimension Reference	All dimensions in Inches		
	L	B	Shell Length
1	10.63	4.63	3.07
2	10.88	4.88	3.32
3	10.96	4.96	3.82
4	11.13	5.13	3.57
5	11.38	5.31	3.82
6	11.38	5.38	3.82
7	11.46	5.46	4.32
8	11.63	5.56	4.07
9	11.88	5.88	4.32
10	11.96	5.96	4.82
11	12.13	6.13	4.57
12	12.38	6.31	4.82
13	12.38	6.38	4.82
14	12.88	6.88	5.32

**FIGURE B**



LEAD END 1.5"  
5.61" MOTOR DIAMETER. #8-32 EXTENDED CLAMP SCREWS ON 5.19" BOLT CIRCLE L.E.  
LENGTH ADAPTER KIT INCLUDED IN CARTON.

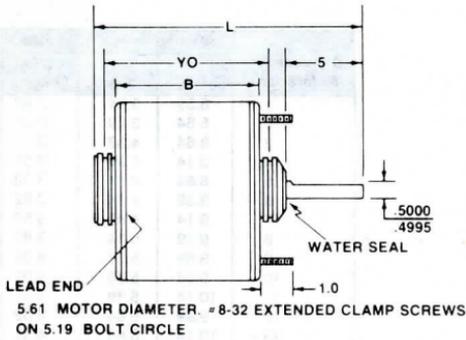
Dimension Reference	All dimensions in Inches			
	A	B	C	Shell Length
1	6.5	5.14	8.27	4.07
2	7.0	3.89	9.02	2.82
3	7.0	4.14	8.77	3.07
4	7.0	4.50	8.52	3.32
5	7.0	4.64	8.27	3.57
6	7.0	5.39	7.52	4.32
7	7.0	5.64	7.27	4.57
8	7.0	5.89	7.02	4.82
9	7.5	4.00	8.52	2.82
10	7.5	5.00	7.52	3.82
11	7.5	5.14	7.27	4.07
12	8.0	4.39	7.52	3.32
13	8.5	4.25	7.27	3.07
14	8.5	5.00	6.52	3.82



# DIRECT-DRIVE DIMENSIONS

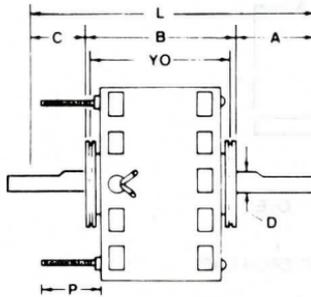
## 3 1/2-, 5-, & 5 1/2-Inch Diameter Motors

**FIGURE C**



Dimensions Reference	All dimensions in inches			
	L	B	YO	Shell Length
1	10.14	4.23	4.89	3.57
2	10.39	4.48	5.14	3.82
3	11.39	5.48	6.14	4.82

**FIGURE D**



#8-32 EXTENDED CLAMP SCREWS.  
ON 4.60 BOLT CIRCLE. L.E., 2.25 RESILIENT RINGS.

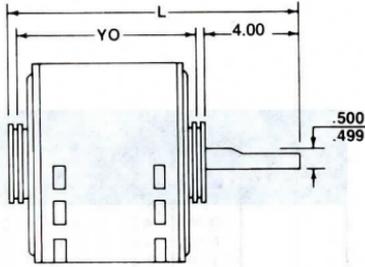
Dimension Reference	All dimensions in inches							Shell Length
	L	B	A	C	YO	P	D	
1	8.66	5.09	3.50	-	4.80	.52	500	3.90
2	9.42	4.84	4.50	-	4.56	.75	500	3.65
3	18.00	4.34	6.75	6.82	4.06/5.50	1.50	500	3.15
4	20.00	3.48	8.25	8.20	-	1.50	500	2.82
5	20.00	4.23	8.00	7.70	-	1.50	500	3.57
6	20.00	4.73	7.50	7.70	-	1.50	500	4.07
7	20.00	5.48	7.25	7.20	-	1.50	500	4.82
8	20.50	4.34	8.00	8.07	4.06/5.50	1.50	500	3.15
9	17.50	4.59	6.50	6.57	4.31/5.50	1.50	375	3.40
10	21.50	4.31	8.53	8.54	4.06/5.50	1.50	500	3.15
11	21.75	4.84	8.53	8.29	4.56/6.00	1.50	500	3.65
12	25.50	4.34	10.50	10.57	4.06/5.50	1.50	500	3.15



# DIRECT-DRIVE DIMENSIONS

## 3 1/2-, 5-, & 5 1/2-inch Diameter Motors

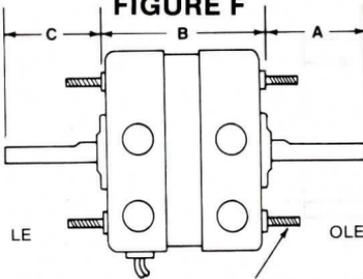
**FIGURE E**



5.61 MOTOR DIAMETER.

Dimension Reference	All dimensions in inches		
	L	YO	Shell Length
1	8.39	3.64	2.82
2	8.64	3.89	3.07
3	8.64	4.39	3.07
4	9.14	4.39	3.57
5	8.89	4.64	3.32
6	9.39	4.64	3.82
7	9.14	4.89	3.57
8	9.39	5.14	3.82
9	9.89	5.14	4.32
10	9.64	5.39	4.07
11	10.14	5.39	4.57
12	9.89	5.64	4.32
13	10.14	5.89	4.57
14	10.39	6.14	4.82

**FIGURE F**

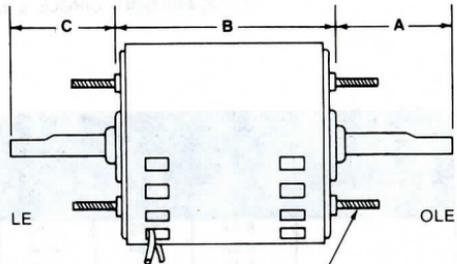


#8-32 UNC-2A THREAD EACH END

STUDS ON 2.80 DIA. BOLT CIRCLE

STUD ALIGNMENT END TO END MAY VARY .25 INCHES  
MOTOR DIAMETER 3.4"

**FIGURE G**



#8-32 UNC-2A THREAD EACH END

STUDS ON 2.80" DIA. BOLT CIRCLE

STUD ALIGNMENT END TO END MAY VARY .25 INCHES.  
MOTOR DIAMETER 3.32"

Dimension Reference	All Dimensions in inches			No. Studs		Shaft
	A	B	C	OLE	LE	Dia.
1	1.50	2.25	1.50	2	2	.2500
2	2.50	3.25	2.50	2	2	.3125
3	2.74	4.16	5.31	-	4	.3125
4	3.72	3.66	4.83	4	4	.3125
5	4.50	3.50	3.75	4	4	.3125
6	4.75	3.00	4.50	4	4	.3125



# MOTOR SELECTION GUIDE

## TYPES

AC motors can be divided by power supply into two major electrical categories — polyphase and single-phase. The four important selection criteria to consider are horsepower, voltage, speed and phase.

Over 90 percent of the motors used in the United States are single-phase. The most popular electrical types of single-phase motors for general use are capacitor-start and split-phase.

The split-phase motor has two windings, start and run, which are energized to start the motor. The start winding is cut out of the circuit at about 75 percent of operating speed. The capacitor-start motor is almost identical to the split-phase motor but delivers two to three times the starting torque per ampere of current.

## USE

The lower-cost split-phase motor is the logical motor to choose for applications where the starting load is light, such as fans and blowers, or where load is applied after the motor has reached operating speed, for instance on saws and drill presses. Capacitor-start motors are necessary, of course, on applications such as conveyors where heavy loads must be started.

To make sure there is a correct motor for every job, single-phase motors are available in two types: general-purpose and special service. The chart illustrates the differences between the four basic single-phase motors.

## MOTOR SPEED

Almost all 60-Hertz split-phase and capacitor-start motors operate at one of these full-load speeds: 3450 (2-pole), 1725 (4-pole), 1140 (6-pole), or 850-rpm (8-pole).

Generally speaking, both motor price and physical size increase as rated rpm decreases. This means that savings can be achieved for customers by selecting the highest speed motor that will drive the device yet still remain within the practical limits of a 5- or 6-to-1 speed reduction ratio. Obviously, such savings are most often available in belt-drive applications.

## BEARINGS

All-angle sleeve-bearing motors can be used over a wide range of applications where moderate thrusts are encountered. They can be mounted in any position. And they are quieter and more economical than ball-bearing motors. The motor applications which demand ball-bearing motors are in powering devices which create high axial and/or radial thrust.

## TYPICAL CHARACTERISTICS

MOTOR TYPES	SPLIT-PHASE General-purpose	SPLIT-PHASE Special Service	CAPACITOR- START Special Service	CAPACITOR- START General-purpose	POLYPHASE 1 HP & Below
STARTING TORQUE  (% Full Load Torque)	130%	175%	250%	350%	275%
STARTING CURRENT	NORMAL	HIGH	NORMAL	NORMAL	NORMAL
SERVICE FACTOR  (% of Rated Load)	135%	100%	100%	135%	135%
COMPARATIVE PRICE Estimate (Based on 100% for Lowest Cost Motor)	110%	100%	135%	150%	150%
REMARKS	Low starting torque. High service factor permits continuous loading —up to 35% over nameplate rating. Ideal for applications of medium starting duty.	Moderate starting torque, but has service factor of 1.0. Apply where load will not exceed nameplate rating for any extended duration of time. Because of higher starting current, use where starting is infrequent.	High starting torque but 1.0 service factor. Use only where load will not exceed nameplate rating for any extended duration of time. Starting current is normal.	Very-high starting torque. High service factor permits continuous loading —up to 35% over nameplate rating. Ideal for powering devices with heavy loads, such as conveyors.	Normal start current for polyphase is low compared to single-phase motors. High starting ability. High service factor permits continuous loading —up to 35% over nameplate rating. Direct companion to general-purpose capacitor-start motor.

Permanent-Split-Capacitor Motors (KCP) and Shaded Pole Motors (KSP) are normally designed for direct-drive fan and blower applications. Because of the uniqueness of design and applications, these types of motors are excluded from the above table.

## SAFETY PRECAUTIONS

Use safe practices when handling, lifting, installing, operating, and maintaining motors and motor-operated equipment.

Install motors and electrical equipment in accordance with the National Electrical Code (NEC) and local electrical and safety codes and practices, and when applicable, the Occupational Safety and Health Act (OSHA). Ground motors securely. Make sure that "grounding" wires and devices are, in fact, properly grounded. **FAILURE TO GROUND MOTOR PROPERLY MAY CAUSE SERIOUS INJURY TO PERSONNEL.**

Before servicing or working on or near motors or motor driven equipment, disconnect power source from motor and accessories.

### SAFETY CAUTION

**Motors subjected to overload, locked rotor, current surge or inadequate ventilation conditions may experience rapid heat build-up presenting risks of motor damage or fire. To minimize such risks use of motors with proper overload protectors is advisable for most applications.**

**DO NOT use motors with automatic-reset**

**protectors where automatic restarting might be hazardous to personnel or to equipment. Use motors with manual-reset protectors where such hazards exist. Such applications include conveyors, compressors, tools, most farm equipment, etc.**

Remove shaft key from keyways of uninstalled motors before energizing motor. Be sure keys, pulleys, fans, etc. are fully secured on installed motors before energizing motor.

Make sure fans, pulleys, belts, etc. are properly guarded if they are in a location that could be hazardous to personnel.

Provide proper safeguards against failure of motor-mounted brakes, particularly on applications involving overhauling loads.

Provide proper safeguards on applications where a motor is mounted on or through a gear reducer to a holding or overhauling application. Do not depend on gear friction to hold the load.

Do not lift motor-driven equipment with motor lifting means. If eyebolts are used for lifting motors, they must be securely tightened and the direction of the lift must not exceed a 15-degree angle with the shank of the eyebolt.

## LOCATION/MOTOR ENCLOSURES

**Open, Dripproof Motors** are designed for use in areas that are reasonably dry, clean and well ventilated, usually indoors. If installed outdoors, it is recommended that the motor be protected with a cover that does not restrict flow of air to the motor.

**Totally Enclosed Motors** are suitable for use where exposed to dirt or moisture, but not for very moist or for hazardous locations.

**Severe-duty Enclosed Motors** are suitable for use in corrosive or excessively moist locations. Typically used in hosed-down or outdoor locations.

**Explosion-proof Motors** are made to meet Underwriters Laboratories Standards for use in hazardous (explosive) locations shown by the UL label on the motor.

Certain locations are hazardous because the atmosphere does or may contain gas, vapor or dust in explosive quantities. The National Electrical Code (NEC) divides these locations into Classes and Groups according to the type of explosive agent which may be present. Listed below are some of the agents in each classification. For complete list, see Article 500 of the NEC.

### CLASS I (Gases, Vapors)

- Group A — Acetylene (NOTE: MOTORS NOT AVAILABLE FOR THIS GROUP.)
- Group B — Butadiene, ethylene oxide, hydrogen, propylene oxide (NOTE: MOTORS, NOT AVAILABLE FOR THIS GROUP.)
- Group C — Acetaldehyde, cyclopropane, diethyl ether, ethylene, isoprene.
- Group D — Acetone, acrylonitrile, ammonia, benzene, butane, ethylene dichloride, gasoline, hexane, methane, methanol, naphtha, propane, propylene, styrene, toluene, vinyl acetate, vinyl chloride, xylene.

### CLASS II (Combustible Dusts)

- Group E — Aluminum, magnesium and other metal dusts with similar characteristics.
- Group F — Carbon black, coke or coal dust.
- Group G — Flour, starch or grain dust.

**Ambient temperature** around motors should not exceed 40°C unless motor nameplate specifically permits a higher value.

## MOUNTING

Unless specified otherwise, listed motors can be mounted in any position or any angle. However, dripproof motors must be mounted in the normal horizontal position to meet the enclosure definition.

Mount motor securely to the mounting base of equipment or to a rigid, flat surface, preferably metallic.

For direct-coupled applications, align shaft and coupling carefully, using shims as required

under motor base. Use a flexible coupling, if possible, but not as a substitute for good alignment practices.

For belted applications, align pulleys and adjust belt tension so approximately 1/2" of belt deflection occurs when thumb force is applied midway between pulleys. With sleeve-bearing motors, position motor so belt pull is away from the oil hole in the bearing (approximately under the oiler of the motor).

## WIRING

All wiring and electrical connections should comply with the National Electrical Code (NEC) and with local codes and practices.

Undersize wire between the motor and the power source will adversely limit the starting and load carrying abilities of the motor. Minimum wire size for motor branch circuits are recommended in the tables following.

**Individual Branch Circuit Wiring  
For Single-phase Induction Motors**

Motor Data		Copper Wire Size Minimum AWG No. Branch Circuit Length				
Hp	Volts	0-25 Ft	50 Ft	100 Ft	150 Ft	200 Ft
1/6	115	14	14	14	12	10
	230	14	14	14	14	14
1/4	115	14	14	12	10	8
	230	14	14	14	14	14
1/3	115	14	12	10	8	6
	230	14	14	14	14	12
1/2	115	14	12	10	8	6
	230	14	14	14	14	12
3/4	115	12	10	8	6	4
	230	14	14	14	12	10
1	115	12	10	8	6	4
	230	14	14	14	12	10
1½	115	10	10	6	4	4
	230	14	14	12	10	8
2	115	10	8	6	4	
	230	14	12	12	10	8
3	115	6	6	4		
	230	10	10	10	8	8
5	115					
	230	8	8	8	6	4

**Individual Branch Circuit Wiring  
For Three-phase Squirrel-cage  
Induction Motors**

Motor Data		Copper Wire Size Minimum AWG No. Branch Circuit Length				
Hp	Volts	0-25 Ft	50 Ft	100 Ft	150 Ft	200 Ft
1/2	230	14	14	14	14	14
	460	14	14	14	14	14
3/4	230	14	14	14	14	14
	460	14	14	14	14	14
1	230	14	14	14	14	14
	460	14	14	14	14	14
1½	230	14	14	14	14	12
	460	14	14	14	14	14
2	230	14	14	14	12	12
	460	14	14	14	14	14
3	230	14	14	12	10	10
	460	14	14	14	14	14
5	230	12	12	10	10	8
	460	14	14	14	14	14
7½	230	10	10	10	8	6
	460	14	14	14	14	12
10	230	8	8	8	6	4
	460	12	12	12	12	12
15	230	6	6	6	4	4
	460	10	10	10	10	10
20	230	4	4	4	4	3
	460	8	8	8	8	8
25	230	4	4	4	3	2
	460	8	8	8	8	8
30	230	3	3	3	2	1
	460	6	6	6	6	6
40	230	1	1	1	1	0
	460	6	6	6	6	6
50	230	00	00	00	00	00
	460	4	4	4	4	4
60	230	000	000	000	000	000
	460	3	3	3	3	3

## POWER SUPPLY/CONNECTIONS

Connect motor for desired voltage and rotation according to the connection diagram on the nameplate or in the terminal box.

Voltage, frequency, and phase of power supply should be consistent with the motor nameplate rating. Motor will operate satisfactorily on voltage within 10% of nameplate value or frequency within 5%; combined variation not to exceed 10%.

### OPERATION OF 230-VOLT MOTORS ON 208-VOLT SYSTEMS

Motors rated 230 volts will operate satisfactorily on 208-volt systems on most applications requiring nominal starting torques. Starting

and maximum running torques of a 230-volt motor will be reduced approximately 25% when operated on 208-volt systems. Fans, blowers, centrifugal pumps, and similar loads will normally operate satisfactorily at these reduced torques. Motors rated at 208-230 volts are designed to operate on systems at plus or minus 10% of rated voltage. Where the application torque requirements are high, it is recommended that the next higher horsepower 230-volt motor or a 200-volt motor be used. External motor controls for 230-volt motors on 208-volt systems should be selected from 230-volt nameplate data.

## MAINTENANCE

Motors properly selected and installed are capable of operating for many years with a reasonably small amount of maintenance.

Before servicing motors and motor operated equipment, disconnect power supply from motors and accessories. Use safe working practices during servicing of equipment.

Clean motor surfaces and ventilation openings periodically, preferably with a vacuum cleaner. Heavy accumulations of dust and lint will result in overheating and premature failure of motors.

**Lubrication** — Motors are lubricated at the factory to operate for long periods under normal service conditions without relubrication. Excessive or too frequent lubrication may damage the motor. Follow instructions furnished with the motor — usually on the nameplate or terminal box cover or on a separate instruction.

If instructions are not available, relubricate as follows:

**Sleeve-bearing motors** — add electric motor oil (or SAE #10 or #20 nondetergent oil) after three years of normal or

one year of heavy-duty service. For light-duty applications, add oil after 25,000 hours of operation.

**Ball-bearing motors** — The types of motors listed in this catalog have sufficient lubricant for many years of operation. The time period between relubrication can vary from 10 years to 9 months depending on the ambient and type of service. For specific re-greasing recommendations, refer to the instructions listed below. Use GE long life ball bearing grease, unless special grease is specified on the nameplate.

For other service conditions and additional instructions, follow instructions given in GEI 56110 for NEMA 48- and 56-frame motors, in GEI 56122D for NEMA 140- and 180-frame motors, and GEH 2301 for NEMA 213 through 449-frame motors. These instructions may be obtained from the General Electric Company if not available from authorized G.E. Distributors or Electric Motor Servicenters listed in the yellow pages of your telephone directory.

## ELECTRIC MOTOR TERMINOLOGY

**AIR-OVER (AO)** - Motors intended for fan or blower service and cooled by the air stream from the fan or blower.

**ALTERNATING CURRENT (AC)** — This is the standard type of power supply available in homes, factories, or farms, etc.

**AMPERES (AMPS) OR (A)** — Current flow at a specific load condition.

**AMBIENT (AMB)** — The temperature of the space around the motor. Most motors

are designed to operate in an ambient not over 40°C (104°F).

### BEARINGS (BRGS)

**SLEEVE (SLV)** — Preferred where low noise level is important, as on fan and blower motors. Unless otherwise stated, sleeve bearing motors listed can be mounted in any position, including shaft-up or shaft-down.

**BALL** — Used where high shaft load

(radial or axial thrust loads) capacity is required or where periodic lubrication is impractical.

**CANADIAN STANDARDS ASSOCIATION (CSA)** — Sets safety standards for motors and other electrical equipment used in Canada. Most all motors in this catalog meet CSA standards and the CSA logo is displayed on the nameplate.

**DIRECT CURRENT (DC)** — Type of power supply available from batteries or generators (not alternators) used for special-purpose applications.

**EFFICIENCY** — A measurement of how effectively a motor turns electrical energy into mechanical energy.

**ENCLOSURE (ENCL)** — The term used to describe the motor housing. Common types are:

**OPEN (OP)** — Ventilation openings in end shields and/or shell to permit passage of cooling air over and around the windings. Location of openings not restricted. For use indoors, in fairly clean locations.

**DRIPPROOF (DP)** — Ventilation openings in end shields and shell placed so drops of liquid falling within an angle of 15° from vertical will not affect performance. Usually used indoors, in fairly clean, dry locations.

**TOTALLY ENCLOSED (TE)** — No openings in the motor housing (but not airtight). Used in locations which are dirty, damp, oily, etc. Two types are:

**TOTALLY ENCLOSED, FAN-COOLED (TEFC)** — Includes an integral fan to blow cooling air over the motor.

**TOTALLY ENCLOSED NON-VENTILATED (TENV)** — Not equipped with a fan for external cooling. Depends on convection air for cooling.

**EXPLOSION-PROOF (EXP-PRF)** — A special enclosed motor designed to withstand an internal explosion of specified gases or vapors, and not allow the internal flame or explosion to escape. Usually available as non-ventilated (EPNV) in smaller ratings (below 1/3 HP) and fan-cooled (EPFC) in larger ratings. Explosion-proof motors are labeled to meet UL and NEC requirements.

**FRAME OR FRAME SIZE (FR)** — Usually refers to the NEMA system of standardized motor mounting dimensions.

**FULL-LOAD AMPS (F.L. AMPS OR FLA)** — Line current (amperage) drawn by a motor when operating at rated load and voltage. Shown on motor nameplate. Important for proper wire size selection and motor starter heater selection.

**HERTZ (HZ)** — Frequency, in cycles per second, of AC power; usually 60 Hz. in USA, 50 Hz. overseas. (Abbreviated in the past as Cps or Cy.)

**HORSEPOWER (HP)** — Output power rating of the motor.

**INSULATION (INS)** — In motors, usually classified by maximum allowable operating temperatures: Class A-105°C, Class B-130°C, Class F-155°C, Class H-180°C.

**MOTOR TYPES** — Classified by operating characteristics and/or type of power required:

**INDUCTION** — Most common type. Speed remains relatively constant as load changes. There are several kinds of induction motors:

#### FOR SINGLE-PHASE AC OPERATION:

**SHADED POLE** — Low starting torque, low cost. Usually used in direct-drive fans and blowers.

**PERMANENT SPLIT CAPACITOR (PSC)** — Performance and applications similar to shaded pole but more efficient, with lower line current and higher horsepower capabilities.

**SPLIT-PHASE START — INDUCTION RUN (or split phase)** — Moderate starting torque, high breakdown torque. Used on easy-starting equipment, such as belt-driven fans and blowers, grinders, centrifugal pumps, etc.

**CAPACITOR START — INDUCTION RUN (or capacitor start or capacitor)** — High starting and breakdown torque, medium starting current. Used on hard-starting applications; compressors, positive displacement pumps, farm equipment, etc.

**CAPACITOR START, CAPACITOR RUN** — Performance and applications similar to capacitor-start, induction-run, except higher efficiency. Generally used in higher single-phase HP ratings or energy saver designs.

#### FOR THREE-PHASE AC OPERATION:

**THREE-PHASE** — Operate on 3-phase power only. Higher starting and breakdown torque, high efficiency, medium starting current, rugged design, long life. For all types of industrial uses.

**DIRECT CURRENT (DC)** — Usable only if DC available. Special-purpose applications.

**MOUNTING (MTG)** — Basic types:

**SOLID, RIGID, OR FOOTED** — Motor

solidly fastened to equipment through metal base that is bolted, cast or welded to motor shell or frame.

**RESILIENT (RESIL)** — Sometimes called cushion or rubber. Motor shell isolated from base by vibration-absorbing material, such as rubber rings on the end shields, to reduce transmission of vibration to the driven equipment.

**FACE OR FLANGE** — Drive end has a flat mounting surface, machined to standard dimensions, with holes to allow easy, secure mounting to driven equipment. Commonly used on pumps, oil burners and gear reducers.

**LUG** — Brackets extending radially from case of small motors used on fans and blowers.

**EXTENDED THRU BOLTS** — Motor has bolts extending from front or rear, by which it is mounted. Often used on small, direct-drive fans and blowers or to mount fan guard to motor.

**NATIONAL ELECTRICAL CODE (NEC)** — A code for the purpose of practical safeguarding of persons and property from the hazards arising from the use of electricity. Sponsored by the National Fire Protection Institute. Used by insurance inspectors and by many government bodies regulating building codes, etc.

**NEMA** — The National Electrical Manufacturers' Association. This organization establishes certain voluntary industry standards relating to motors; such as operating characteristics, terminology, basic dimensions, ratings and testing.

**ROTATION (ROT)** — Direction in which shaft rotates: CW - clockwise; CCW - counter-clockwise; REV - reversible; rotation can be changed. Unless stated otherwise, *rotation specified in this catalog is as viewed facing end of motor opposite shaft extension.*

**SERVICE FACTOR (SF)** — A measure of the overload capacity designed into a motor. A 1.15 SF means the motor can deliver 15% more than the rated horsepower without injurious over-heating. A 1.0 SF motor should not be overloaded beyond its rated horsepower. Service factors will vary for different horsepower motors, and for different speeds.

Standard NEMA service factors for various horsepower motors and motor speeds are shown in the table on the next page for easy reference.

**TEMPERATURE RISE** — The amount by which a motor, operating under rated conditions, is hotter than its surrounding ambient temperature.

**THERMAL PROTECTION** — A protective device, built into the motor, used to sense excessive temperature rise and/or current. This device disconnects the motor from its power source or operates through a control circuit. Basic types:

**AUTOMATIC-RESET (AUTO OR A)** — After motor cools, protector automatically restores power. Should not be used where unexpected restarting would be hazardous.

**MANUAL-RESET (MAN OR M)** — An external button must be pushed to restore power to motor. Use where unexpected restarting would be hazardous, as on saws, conveyors, compressors, etc.

**TORQUE** — The twisting or turning force produced by the motor.

**STARTING TORQUE** — The amount of turning force produced by a motor as it begins to turn from standstill and accelerate. (Sometimes called locked rotor torque.)

**FULL-LOAD TORQUE** — This is the amount of torque produced by a motor when it is running at rated full-load speed at rated horsepower.

**BREAKDOWN TORQUE** — The maximum torque which a motor will develop under increasing load conditions without an abrupt drop in speed and power.

**UL** — Underwriters Laboratories, Inc. — An independent testing organization that sets safety standards for motors and other electrical equipment.

**VOLTAGE (VOLTS OR V)** — Voltage is a unit of electromotive force which applied to conductors will produce current in the conductors.

**WATTS (W)** — A unit of electrical power; 746 watts equal one horsepower.

## SERVICE FACTOR TABLE

Service factors will vary for different horsepower motors, and for different synchronous (constant) speeds. Standard NEMA service factors for dripproof motors and for various horsepower and motor speeds are shown in the following table for easy reference.

HP	Service Factors			
	Synchronous Speed, RPM			
	3600	1800	1200	900
1/20, 1/12, 1/8	1.40	1.40	1.40	1.40
1/6, 1/4, 1/3	1.35	1.35	1.35	1.35
1/2	1.25	1.25	1.25	1.15
3/4	1.25	1.25	1.15	1.15
1	1.25	1.15	1.15	1.15
1½ up	1.15	1.15	1.15	1.15

## ABBREVIATIONS USED IN MOTOR LISTING

<b>AC</b> .....Alternating Current	<b>Man. or M</b> .....Manual
<b>AGMA</b> .....American Gear Manufacturers Association	<b>Max.</b> .....Maximum
<b>Amps</b> .....Amperes	<b>Mfd.</b> .....Microfarad
<b>Auto or A</b> .....Automatic	<b>M-G</b> .....Motor-generator
<b>Avg.</b> .....Average	<b>Min.</b> .....Minimum
<b>AWG</b> .....American Wire Gage	<b>Mtg.</b> .....Mounting
<b>Cap.</b> .....Capacitor	<b>N</b> .....None
<b>C-Bolts</b> .....Clamp Bolts	<b>NEC</b> .....National Electrical Code
<b>CCW</b> .....Counterclockwise	<b>NEMA</b> .....National Electrical Manufacturers' Association
<b>CSA</b> .....Canadian Standards Association	<b>No.</b> .....Number
<b>Cu. in.</b> .....Cubic Inch	<b>OLE</b> .....Opposite Lead End
<b>CW</b> .....Clockwise	<b>Opp.</b> .....Opposite
<b>Db</b> .....Decibels, A-weighting	<b>Ref.</b> .....Reference
<b>DC</b> .....Direct Current	<b>Req.</b> .....Required
<b>Dia.</b> .....Diameter	<b>RPM</b> .....Revolutions Per Minute
<b>Dim, Dimen.</b> .....Dimension	<b>S.F.</b> .....Service Factor
<b>Dwg.</b> .....Drawing	<b>Shpg.</b> .....Shipping
<b>Eff.</b> .....Efficiency	<b>Slv.</b> .....Sleeve
<b>Encl.</b> .....Enclosure	<b>TEFC</b> .....Totally Enclosed, Fan-cooled
<b>Est.</b> .....Estimated	<b>TENV</b> .....Totally Enclosed, Nonventilated
<b>Ext.</b> .....Extended	<b>Term</b> .....Terminal
<b>F.L.</b> .....Full Load	<b>Therm</b> .....Thermal
<b>Guar.</b> .....Guaranteed	<b>T-Stat or T</b> .....Thermostat
<b>HP</b> .....Horsepower	<b>UL</b> .....Underwriters Laboratories, Inc.
<b>In.</b> .....Inch	<b>V</b> .....Volts, Voltage
<b>Ins.</b> .....Insulation	<b>WK</b> .....Week
<b>KW</b> .....Kilowatt	<b>w/o</b> .....Without
<b>KW/H</b> .....Kilowatt/Hour	<b>Wt</b> .....Weight
<b>L</b> .....Length	
<b>Lbs.</b> .....Pounds	
<b>LE</b> .....Lead End	

## THE METRIC SYSTEM

# CONVERTING FRACTIONS TO METRIC

Below is a table converting the more commonly used fractions of an inch to their equivalent in millimeters.

This will be of help to people preparing technical drawings, persons working to a fine degree of accuracy, and even to mechanics to select their metric wrenches and sockets.

<b>Fraction of an inch</b>	<b>Decimal of an inch</b>	<b>Metric Equivalent (mm)</b>
1/32	.03125	0.7937mm
1/16	.0625	1.5875mm
3/32	.09375	2.3812mm
1/8	.125	3.1750mm
5/32	.15625	3.9687mm
3/16	.1875	4.7625mm
7/32	.21875	5.5562mm
1/4	.25	6.3500mm
9/32	.28125	7.1437mm
5/16	.3125	7.9375mm
11/32	.34375	8.7312mm
3/8	.375	9.5250mm
13/32	.40625	10.3187mm
7/16	.4375	11.1125mm
15/32	.46875	11.9062mm
1/2	.5	12.7000mm
17/32	.53125	13.4937mm
9/16	.5625	14.2875mm
19/32	.59375	15.0812mm
5/8	.625	15.8750mm
21/32	.65625	16.6687mm
11/16	.6875	17.4625mm
23/32	.71875	18.2562mm
3/4	.75	19.0500mm
25/32	.78125	19.8437mm
13/16	.8125	20.6375mm
27/32	.84375	21.4312mm
7/8	.875	22.2250mm
29/32	.90625	23.0187mm
15/16	.9375	23.8125mm
31/32	.96875	24.6062mm
1 inch	1.0000	25.4000mm

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
2901	5KSP29DK9003T	80	104	3280	5KCP39KGC519T	16	200
2904	5KSP29BK9001T	80	99	3281	5KCP39KGC3316T	10	112
2906	5KSP29RK9010T	80	93	3282	5KCP39JG3318T	10	114
2915	5KSP29FK9016T	80	99	3284	5KCP39JG3319T	10	114
2923	5KSP29KK9020T	80	99	3290	5KCP39PG3520T	16	249
2924	5KSP29KK9021T	80	101	3292	5KCP39NGD123T	10	130
*2965	5KCP29BK9309T	16	158	3341	5KSP39DG2908T	79	82
2966	5KCP29EK9310T	16	166	3342	5KSP39DG2910T	79	84
2967	5KCP29DK9311T	16	165	3351	5KSP39FG2916T	79	87
2981	5KSP29KK1818T	80	94	3352	5KSP39FG2918T	79	89
3001	5KCP39KG1369S	78	132	3371	5KSP39KG2924T	79	95
*3005	5KCP39PGC092S	78	166	3372	5KSP39KG2926T	79	97
*3009	5KCP39GG3611S	78	126	3470	5KCP39GGC521T	16	179
3011	5KSP39DG4220S	78	97	*3471	5KCP39EG3332T	10	99
*3012	5KCP39GG5606S	78	118	3472	5KCP39DG3334T	10	101
3026	5KCP39PGC070T	12	186	*3481	5KCP39GG3336T	10	104
3027	5KCP39DGA768T	12	114	3482	5KCP39GG3338T	10	106
3028	5KCP39GGA769T	12	122	3490	5KCP39NGC522T	16	201
3029	5KCP39LGA770T	12	130	3531	5KSP39DG4936T	79	117
3030	5KCP39NGA771T	12	145	3532	5KSP39DG4937T	79	119
3031	5KCP39LGC003T	12	146	3541	5KSP39FG2662T	79	120
3032	5KCP39NGC004T	12	161	3542	5KSP39FG2663T	79	122
3033	5KCP39PGC071T	12	224	3551	5KSP39HG4938T	79	125
3039	5KCP39PGC131T	12	224	3552	5KSP39HG4939T	79	127
3040	5KCP39KGC133T	12	167	3571	5KSP39MG2666T	79	135
3046	5KCP39GGC124T	12	138	3572	5KSP39MG2667T	79	137
3047	5KCP39GGD320T	78	101	3641	5KCP39CG5824T	9	126
3048	5KCP39PGC199T	12	185	3642	5KCP39CG5825T	9	128
3049	5KCP39PGC094T	12	184	3651	5KCP39DG5826T	9	130
3050	5KCP39PG9701T	78	168	3652	5KCP39CG5827T	9	132
3051	5KSP39FG4144S	78	87	*3657	5KCP39CGF109T	16	168
3057	5KSP39FG4771S	78	95	3671	5KCP39CG5828T	9	138
3060	5KCP39GGA862T	78	132	3672	5KCP39FG5829T	9	140
3061	5KCP39DGA931T	78	122	3677	5KCP39GGF110T	16	176
3070	5KCP39GGB158T	78	124	3681	5KCP39LG5830T	9	146
*3074	5KCP39HGA499T	78	117	3682	5KCP39JG5831T	9	148
3084	5KCP39HGE930T	12	123	3687	5KCP39KGF111T	16	191
3085	5KCP39MGE931T	12	131	3691	5KCP39PG5081T	9	161
3086	5KCP39PGE932T	12	146	3692	5KCP39NG5082T	9	163
3091	5KCP39KGD368T	14	153	*3697	5KCP39PGF112T	16	213
3092	5KCP39NGD369T	14	169	3698	5KCP39PGA854T	9	187
3132	5KCP39PGC138T	78	170	3771	5KSP39KGA934T	79	129
3141	5KSP39FG2912T	79	86	3772	5KSP39KGA935T	79	131
3142	5KSP39FG2914T	79	88	3872	5KCP39EG9049T	9	135
3151	5KSP39HG2920T	79	91	3881	5KCP39HG9050T	9	137
3152	5KSP39HG2922T	79	93	3882	5KCP39HG9051T	9	139
3171	5KSP39MG2928T	79	101	*3887	5KCP39KGF113T	16	183
3172	5KSP39MG2930T	79	103	3891	5KCP39MG5312T	9	146
3200	5KCP39GGC132T	12	147	3892	5KCP39MG5313T	9	148
3206	5KCP39EGC336T	13	144	3898	5KCP39PGA853T	9	163
3208	5KCP39JGC337T	13	152	3941	5KSP39DGA124T	79	91
3210	5KCP39HGC338T	13	154	3961	5KSP39FG6125T	79	96
3212	5KCP39NGC339T	13	167	3971	5KSP39MG6126T	79	107
3214	5KCP39MGC340T	13	169	3976	5KCP39GG7914T	10	110
3251	5KCP39DG3304T	10	97	3981	5KCP39LG7552T	10	118
3252	5KCP39CG3306T	10	99	3983	5KCP39GG7908T	11	119
3254	5KCP39CG3307T	10	99	3984	5KCP39FG9478T	11	121
3271	5KCP39FG3312T	10	104	3985	5KCP39LG9683T	11	126
3272	5KCP39EG3314T	10	106	3986	5KCP39JG9479T	11	128
3274	5KCP39EG3315T	10	106	3987	5KCP39PG9710T	11	142

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
3988	5KCP39NG9709T	11	144	*4373	5XBH00W	17	116
3989	5KCP39PGE413T	11	166	*4374	5XBH01A	20	132
3990	5KCP39PGE414T	11	168	*4376	5XBH01U	17	114
3991	5KCP39PG5076T	10	133	4377	5XBH01V	17	116
3992	5KCP39FGE211T	11	113	4378	5XBH02A	20	120
3993	5KCP39FGE212T	11	115	4380	5XBH001	17	114
3994	5KCP39HGE213T	11	118	4381	5XBH016	17	122
3995	5KCP39HGE214T	11	120	*4382	5XBH024	20	126
3996	5KCP39MGE215T	11	127	4383	5XBH029	60	134
3997	5KCP39LGE216T	11	129	*4384	5XBH048	20	134
3998	5KCP39PGE415T	11	141	4386	5XBK00D	17	142
3999	5KCP39PGE416T	11	143	4387	5XBK00G	17	150
4301	5XBG001	17,66	108	*4388	5XBK00M	17	144
4304	5XBFO0E	20	98	*4389	5XBMO07	61	136
4305	5XBG015	20,60	112	4390	5XBL00B	20,60	176
4306	5XBG019	20,60	120	4392	5XBL000	20,60	182
*4307	5XBH027	17	122	4393	5XBL004	20	190
4308	5XBH006	20,60	130	4394	5XBN00B	67	138
4309	5XBH017	20,60	138	4395	5XBN002	67	144
4310	5XBH002	17,66	118	4396	5XBY00V	67	152
4311	5XBH003	17,66	126	*4397	5XRY02E	67	156
4312	5XBFO03	17	104	4398	5XBY011	67	158
*4313	5XBFO23	20	108	4399	5XBY012	61	158
4314	5XBFO04	20	104	4400	5XBR022	88	105
4319	5KH3QPA0301T	61	198	4402	5XBG114	52	112
4320	5XBFO0A	17	98	4404	5XBJ019	52	108
4321	5XBFO18	20	112	4412	5XBY026	61	166
*4322	5XBL00S	67	124	*4421	5KH3UMA0801	17	138
4324	5XBFO0B	17	94	*4422	5KH3WQA0802	17	176
4338	5KH3WQA0613T	17	182	4601	5XBK003	17,66	148
4339	5XBFO0C	20	98	4602	5XBK006	17	156
*4341	5XBFO0D	20	94	4720	5XBF057	52	123
4342	5XBFO0F	20	94	*4722	5KH3KAA0659T	52	100
*4345	5XBFO0T	20	106	4725	5XBG027	52	118
4346	5XBFO00	20	104	4730	5KH3NDA0635T	75	108
*4347	5XBFO06	20	100	4731	5KH3SHA0636T	75	126
*4348	5XBFO07	17	100	4732	5KH3WQA0637T	75	162
4349	5XBFO08	20	100	4738	5KH3SHA0727T	75	134
4350	5XBFO24	60	104	4739	5KH3WQA0728T	75	170
4351	5XBG00A	17	98	4740	5KH3NDA0638T	75	104
4352	5XBG00B	17	102	4741	5KH3SKA0639T	75	116
4353	5XBG00D	17	110	4742	5KH3WMA0640T	75	140
4354	5XBG00F	20	102	4756	5KH3UHA0462T	76	130
4355	5XBG00G	20,60	106	4757	5KH3UHA0503T	76	138
*4356	5XBG01B	20	110	4758	5KH3XPA0463T	76	182
*4357	5XBG01C	17	102	4759	5KH3XPA0504T	76	190
4358	5XBG01D	60	110	*4764	5KHC3SKA0789T	75	146
4359	5XBG01E	17	106	*4765	5KHC3WQA0790T	75	182
*4360	5XBG01G	20	114	4776	5KH3UKA0465T	76	118
*4361	5XBG000	17	104	4778	5KH3XQA0466T	76	148
4362	5XBG016	20	108	4782	5KH3JBA0210U	88	96
4363	5XBG036	60	116	4784	5KH3KDA0211U	88	104
4364	5XBG037	17	112	4786	5KH3KDA0688U	88	124
4366	5XBG115	52	96	4787	5XBG063	88	144
*4367	5XBG121	52	112	4790	5KHC3UEA0517T	4	134
4368	5XBH00C	17	108	4791	5KHC3UHA0518T	4	156
4369	5XBH00D	17	112	4794	5KHC3UHA0550T	4	161
4370	5XBH00H	20,60	124	4795	5KHC3XQA0519T	4	218
4371	5XBH00R	17	120	4797	5KHC3XPA0535T	4	283
4372	5XBH00V	17	112	*6231	5KSM59A81503T	81	47

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
6236	5KSM59LS1626T	81	63	C143	5KC35JN11X	21	144
6240	5KSM59GS1579T	81	60	C144	5KC35JN8	21	146
6242	5KSM59JS1603T	81	64	C145	5KC35JN8X	21	154
6291	5KPM59FSK104T	81	71	C146	5KC35JN13	21,59	154
*6293	5KPM59KSK105T	81	74	C147	5KC35JN10	21,84	162
*9020	5KC47KR396T	58	160	C148	5KC35JN10X	21	170
*9021	5KC45DR412U	58	160	C151	5KC35FN50	21	124
*9022	5KC49LR13T	58	184	C152	5KC35FN50X	21	132
*9023	5KC47KR402U	58	184	C153	5KC36LN30	21	176
*9025	5KC49PR108U	58	244	C154	5KC36LN30X	21	184
*9026	5KC49PR109U	58	284	C155	5KC36LN8	21	172
				C156	5KC36LN5	21	180
A10D1	5KC48TG726T	76	328	C157	5KC36LN5X	21	188
A10D2	5KC38RN92T	76	246	C158	5KC36LN7	21,59,84	196
A12D1	5KH36MN22T	76	198	C159	5KC36LN7X	21	204
A12D2	5KC37LN107T	76	168	C161	5KC48PG6	21	284
*A12D3	5KC36MN58X	76	96	C162	5KC36JN266	21	140
A13D1	5KH35JN30T	76	146	C163	5KC36JN266X	21	148
A13D2	5KH35FN153T	76	130	C164	5KC37NN15	21	228
A14D1	5KH33FN15T	76	128	C165	5KC37NN5	21	216
*A15D2	5KC47PG1298T	76	318	C166	5KC37NN5X	21	224
A34D1	5KC39UN7T	76	298	C167	5KC37NN6	21,57,59,84	232
A34D2	5KC37NN108T	76	214	C168	5KC37NN6X	21,57	240
*A34D3	5KC38RN26X	76	114	*C169	5KC37NN6Y	21,57	246
				C170	5KC49UG35	22	360
B12N1	5KC36JN74Y	88	196	C171	5KC37NN73	22	186
B13N1	5KC35FN71Y	88	160	C172	5KC37NN73X	22	194
B14N1	5KH33FN76Y	88	141	C173	5KC39UN2	22	270
B16M1	5KH32DN99Y	88	126	C174	5KC39UN2X	22	278
B17M1	5KH39CN21Y	88	118	C175	5KC39UN3	22,57,59,84	286
				C176	5KC39UN3X	22,57	294
C100	5KC33FN9	18,90	130	C177	5KC39UN3U	22,57	300
C102	5KC35JN9	18,90	138	C178	5KC49WG524	22	480
C103	5KC35JN30	18	146	C179	5KC38RN60	22	218
C104	5KC35JN30X	18	154	C180	5KC38RN60X	22	226
C105	5KC35JN27Y	18,90	180	C181	5KC47RG735	22,57,59,84	308
C106	5KC36JN90	18	124	C182	5KC47RG735X	22,57	316
C107	5KC36MN21X	18	184	C183	5KC49GG511	22	548
C109	5KC36MN6	18,90	180	C184	5KC47PG749	22	306
C110	5KC36MN28Y	18,90	210	C185	5KC49WG527	22,57,84	360
C111	5KC37LN91	18	140	C186	5KC49WG527X	22,57	368
*C112	5KC38RN15	18	208	C187	5KC49TG548	22	378
C115	5KC38RN7	18,90	216	*C188	5KC47RG6000	22	316
C116	5KC38RN17	18	232	*C191	5KC49WG6002	22	368
C117	5KC38RN17U	18,90	246	C192	5KC49TG6003	22	386
C118	5KC37NN90	18,90	202	C193	5KC49GG6006	22,57,59,84	462
C119	5KC45PG804	18,90	290	C194	5KC49ZG6007	22	618
C120	5KC45PG804X	18	298	C197	5KC182AL202	22	482
C127	5KC35JN4	19,66	142	C198	5KC184AL202	22,59	608
C128	5KC35JN23	19	150	C199	5KC184AL292	22,59	940
C129	5KC35JN23X	19,66	158	C200	5KC35JN12	22	142
C132	5KC35JN26	19,66	154	C201	5KC35JN12X	22	148
C133	5KC36MN27X	19	192	C202	5KC35JN7	22	150
C135	5KC36MN4	19,66	184	C203	5KC35JN7X	22	158
C136	5KC36MN4X	19,66	192	C204	5KC35JN29X	22	162
C137	5KC38RN4	19,66	220	C205	5KC43MG19	22	244
C138	5KC38RN4X	19,66	228	C206	5KC43MG58X	22	260
C139	5KC45PG805	19,66	294	C207	5KC35FN51	22	128
C140	5KC45PG805X	19,66	302	C208	5KC35FN51X	22	136
C142	5KC35JN11	21	138	C209	5KC36LN26	23	180

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Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
C210	5KC36LN26X	23	188	C272	5KC45NG441	26	258
C212	5KC36LN9X	23	182	C273	5KC45NG441X	26	266
C213	5KC36LN3	23	184	*C274	5KC45NG441Y	26	272
C214	5KC36LN3X	23	192	C275	5KC47UG694	26,84	332
*C215	5KC36LN1	23	200	C276	5KC47UG694X	26	340
C216	5KC36LN1X	23	208	C277	5KC47UG694Y	26	346
C217	5KC48PG2	23	288	C278	5KC48SG275	26	330
C218	5KC48PG2X	23	296	C279	5KC48SG275X	26	338
C219	5KC36JN267	23	144	C280	5KC48SG275U	26	344
C220	5KC36JN267X	23	152	C281	5KC49ZG522	26,84	384
C221	5KC37NN3	23	220	C282	5KC49ZG522X	26	392
C222	5KC37NN3X	23	228	C283	5KC49ZG522U	26	398
C223	5KC37NN1X	23	244	C284	5KC49TG1031U	26	416
C224	5KC49UG36	23	364	C286	5KC35MN44	26	208
C225	5KC49UG36X	23	372	C288	5KC37RN33	26	244
C226	5KC37NN82	23	190	C289	5KC37RN34X	26	268
C227	5KC37NN82X	23	198	C291	5KC47UG696	26	344
C228	5KC39UN1	23	274	C292	5KC47UG696X	26	352
C229	5KC39UN1X	23	282	*C295	5KC47UG6003	26	340
C230	5KC39UN6	23	290	*C297	5KC49ZG6004	26	392
C231	5KC39UN6X	23	298	C300	5KC182BL201	26	542
C232	5KC49WG523	23	484	C301	5KC184BL201	26	668
C233	5KC38RN68	23	222	C303	5KC35PN96X	27	330
C234	5KC38RN68X	23	230	C304	5KC45MG1380X	27	440
C235	5KC47RG723	23	320	C305	5KC43HG2322X	27	380
C236	5KC47RG723X	23	328	C306	5KC47PG1211X	27	484
C237	5KC47PG748X	23	318	C307	5KC49FG1101X	27	360
C238	5KC49WG507	23	404	C308	5KC45MG1382X	27	416
C239	5KC49WG507X	23	412	C309	5KC48UG711X	27	560
C240	5KC49TG549X	23	390	*C311	5KC47PG1247X	27	470
C241	5KC32GN8	25	178	C312	5KC48UG741X	27	500
C242	5KC32GN9	25	186	C313	5KC37FN54X	56	152
C243	5KC32GN9X	25	194	C314	5KC37FN55X	56	164
C244	5KC33FN33	25	164	C315	5KC37FN56X	56	162
C245	5KC36LN85X	25	188	C316	5KC37FN57X	56	174
*C246	5KC32GN12X	26	172	C317	5KC36JN242X	56	178
C247	5KC32GN13	26	174	C318	5KC36JN270X	56	190
C248	5KC43PG631	25	374	C319	5KC39NN40X	56	220
C249	5KC32GN18	25	182	C320	5KC39NN41X	56	232
C250	5KC32GN19	25	190	C321	5KC39RN42X	56	252
C251	5KC32GN19X	25	198	C322	5KC39RN43X	56	264
C252	5KC43MG633	25	288	C323	5KC48NG807X	56	324
C253	5KC33FN34	25	168	C324	5KC48NG850X	56	336
C254	5KC35MN43	25	220	C325	5KC49TG369X	56	396
C255	5KC35MN43X	25	228	*C326	5KC49TG430X	56	408
C256	5KC35MN43Y	25	234	C327	5KC37FN70X	46	152
C257	5KC43PG634	25	324	C328	5KC37FN71X	46	162
C258	5KC36LN138	25	184	C329	5KC37FN65X	46	174
C259	5KC36LN138X	25	192	C330	5KC36JN268X	46	178
C260	5KC37RN35	26	252	C331	5KC36JN269X	46	190
C261	5KC37RN24	26,84	256	C332	5KC39NN50X	46	220
C262	5KC37RN24X	26	264	C333	5KC39NN51X	46	232
C263	5KC37RN24U	26	270	C334	5KC39RN44X	46	252
C264	5KC47UG383	26	400	C335	5KC39RN45X	46	264
C265	5KC37NN322	26	226	C336	5KC48NG848X	46	324
C266	5KC37NN322X	26	234	C337	5KC48NG849X	46	336
C267	5KC37NN322Y	26	240	C338	5KC49TG325X	46	396
C268	5KC45RG1183	26,84	310	C339	5KC49TG326X	46	408
C269	5KC45RG1183X	26	318	C340	5KC49ZG551T	46	628
C271	5KC48WG311	26	504	C341	5KC49ZG550T	46	640

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*C342	5KC35FN52X	44	178	C409	5KC47SG124S	67	328
*C343	5KC36JN86X	44	194	C410	5KC47SG125	67	330
C347	5KC33FN31X	47	186	C411	5KC47SG125S	67	336
C348	5KC36LN166	47	194	C412	5KC49UG18	67	392
C349	5KC36LN166X	47	202	C413	5KC49UG18S	67	398
C350	5KC45NG446	47	268	C414	5KC49UG112X	61	398
C351	5KC45NG446X	47	276	C415	5KC37NN12	63	236
C352	5KC45NG514X	47	288	C416	5KC37NN12X	63	244
C353	5KC35JN69X	40,86	174	C417	5KC39UN4	63	290
C354	5KC35JN70X	40,86	184	C418	5KC39UN4X	63	298
C355	5KC36LN83	40,86	206	C419	5KC45PG328X	64	316
C356	5KC36LN83X	40,86	214	C420	5KC49UG174	64	400
C358	5KC37NN76	40,86	242	C423	5KC35JN9X	18	144
C359	5KC37NN76X	40,86	250	C424	5KC36MN6X	18	188
C361	5KC39UN47	40,86	296	C425	5KC38RN7X	18	224
C362	5KC39UN47X	40,86	304	C427	5KC36LN8X	21	178
C363	5KC47RG736X	40,86	326	*C428	5KC33FN7X	22	150
C364	5KC49WG528X	40	378	*C429	5KC36LN31X	23	178
*C365	5KC32GN24	40,86	192	C431	5KC36LN18	21	170
C366	5KC32GN25	40,86	200	C432	5KC38SN13	22	240
C367	5KC35MN73	40,86	230	C434	5KC48UG279	22	340
C368	5KC37RN81	40,86	266	*C437	5KC36LN19	22	174
C369	5KC45RG1181	40,86	320	C438	5KC38SN14	23	244
C370	5KC47UG695	40,86	342	*C439	5KC38SN14T	23	252
C371	5KC49ZG530	40,86	394	C440	5KC36NN56	25	244
*C372	5KC36LN88	44	210	C441	5KC36LN85	25	180
C373	5KC37NN88	44	246	C442	5KC38UN23	26	280
C375	5KC37RN89	44	270	*C443	5KC37RN33X	26	252
*C376	5KC47UG715	44	346	C444	5KC36LN144X	44	206
C377	5KC35PN79X	43	360	C445	5KC45NG536X	44	280
C378	5KC43HG2326X	43	390	C446	5KC37RN81X	40	274
*C379	5KC45MG1388X	43	426	C447	5KC36JN131	18,90	128
*C380	5KC47PG1248X	43	480	*C448	5KC37LN131	18,90	144
C381	5KC49GG6006X	22,57	470	*C449	5KC37NN160	90	202
C382	5KC36JN40	83	173	*C450	5KC37NN8	21	204
C383	5KC36LN32	83	208	*C451	5KC37NN8T	21	212
C384	5KC36LN43Y	83	230	*C452	5KC38SN13T	22	248
C385	5KC37NN22	83	246	*C453	5KC47SG1232	22	294
C386	5KC37NN25Y	83	268	*C455	5KC35HN22T	22	174
C387	5KC39UN10	83	303	*C456	5KC37NN14	23	208
*C388	5KC39UN12Y	83	325	*C457	5KC37NN14T	23	216
C389	5KC43MG1348	36	264	*C458	5KC47SG1113X	23	306
C390	5KC48SG188	36	294	*C459	5KC37MN96	21	164
*C391	5KC43MG1350	36	330	C460	5KC36LN19T	22	182
C392	5KC36JN87	90	140	*C462	5KC33KN19	25	210
C393	5KC36MN20	90	196	*C463	5KC45RG1184X	26	306
C394	5KC37LN86	90	156	*C465	5KC36LN169X	47	214
C396	5KC37LN64X	60	152	C466	5KC49TG1029T	47	420
C397	5KC37NN16X	60	228	C467	5KC37NN113X	60	194
C398	5KC37NN84X	60	198	C468	5KC49GG6024X	61	474
*C399	5KC39UN8	60	274	*C469	5KC45SG444	26	334
C400	5KC39UN8X	60	282	*C470	5KC43JG2323X	27	404
C401	5KC38RN69X	61	230	*C471	5KC45NG1378X	27	440
C402	5KC47RG724X	61	304	*C472	5KC184BL2006	26	980
C403	5KC47PG750X	61	302	*C473	5KC39LN233X	54	208
C404	5KC49WG552X	61	372	*C474	5KC49UG174X	64	406
C405	5KC49TG553X	61	390	*C475	5KC49UG628	64	500
C406	5KC45PG50X	61	300	*C476	5KC49UG629	64	500
C407	5KC49UG120X	61	390	*C477	5KC49UG26	67	384
C408	5KC47SG124	67	322	*C478	5KC49UG26S	67	390

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Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
*C479	5KC182AL2	22	638	*D135	5BCD56RD418	95	637
*C480	5KC48UG280T	23	352	*D136	5BC42AB1834	98	1080
*C481	5KC37NN23	83	246	*D137	5BC42AB1830	98	1080
*C482	5KC39UN11	83	303	*D138	5BC46AB1572	98	1900
*C483	5KC47RG820	83	350	*D139	5BC46AB1581	98	1920
*C484	5KC47PG748	23	312	*D140	5BC46AB1582	98	1920
*C485	5KC47UG383X	26	408	*D141	5BC42AB1780	98	1092
*C486	5KC49UG257X	64	414	*D142	5BC42AB1882	98	1092
*C487	5KC39LN234X	54	196	*D143	5BC42AB2177	98	1150
*C488	5KC39NN235X	54	250	*D144	5BC46AB2291	98	1970
*C489	5KC39NN236X	54	238	*D300	5CD122NE001B	92	455
*C490	5KC39RN237X	54	282	*D301	5CD122HE001B	92	465
*C491	5KC39RN238X	54	270	*D302	5CD123GE001B	92	545
*C492	5KC48PG899X	54	354	*D303	5CD123UE001B	92	550
*C493	5KC48PG900X	54	342	*D304	5CD123PE001B	92	560
*C494	5KC49TG1343X	54	426	*D305	5CD125TE001B	92	710
*C495	5KC49TG1344X	54	414	*D306	5CD123UE002B	92	660
*C496	5KC39NN239X	55	272	*D307	5CD124TE001B	92	670
*C497	5KC39NN240X	55	260	*D308	5CD125TE002B	92	850
*C498	5KC39RN241X	55	331	*D309	5CD125YE001B	92	850
*C499	5KC39RN242X	55	319	*D310	5CD125WE001B	92	860
*C500	5KC48PG901X	55	376				
*C501	5KC48PG902X	55	364	*E10D2	5KS143AL201	5	314
*C502	5KC49UG1345X	55	476	*E10D3	5KCR47RG8	4	374
*C503	5KC49UG1346X	55	464	*E10D4	5K48UG1169	5	305
*C504	5KC49ZG1347X	55	577	*E10D6	5KS145AL301	5	406
*C505	5KC49ZG1348X	55	565	*E10F1	5K47UG1658	6	334
*C506	5KC45MG1381X	27	448	*E10F2	5KS143BL204	6	343
				*E10F6	5KS145BL304	6	434
D100	5BPB56HAA100	96	298	*E10S1	5KS143BS201	7	432
D101	5BPB56KAA102	96	330	*E10S6	5KS145BS301	7	523
*D102	5BPB56KAA100	96	362	*E12D2	5KHCA3MG5	4	230
D103	5BPB56PAA100	96	443	*E12D3	5KCR43MG3	4	264
D104	5BPB56PAA101	96	463	*E12D4	5K42JG5522	5	266
D105	5BPB56SAA101	96	558	*E13D2	5KHCA37MN7	4	168
*D106	5RCC56CD10	94	428	*E13D3	5KCR37NN7	4	216
*D107	5RCC56ED8	94	532	*E14D2	5KHCA37HN6	4	146
*D109	5RCJ56CD9	94	472	*E14D3	5KCR37MN6	4	180
*D110	5RCJ56ED7	94	584	*E15D2	5KS143AL1	5	346
*D111	5RCC56BD34	94	428	*E15D4	5KS145AL201	5	348
*D112	5RCC56KD6	94	572	*E15D6	5KS182AL301	5	434
*D113	5RCJ56BD34	94	468	*E15F1	5KS145BL207	6	377
D115	5BCD56CD247	95	423	*E15F2	5KS143BL4	6	374
*D116	5BCD56ND88	95	554	*E15F6	5KS182BL304	6	506
D117	5BCD56RD397	95	625	*E15S1	5KS145BS201	7	466
*D118	5BCD56RD398	95	726	*E15S2	5KS143BS1	7	463
D120	5PY59EY2	97	208	*E15S6	5KS182BS301	7	646
D121	5PY59EY3	97	198	*E20D2	5KS145AL1	5	406
D122	5PY59JY1	97	576	*E20D4	5KS145AL202	5	382
D123	5PY59JY2	97	576	*E20D6	5KS184AL301	5	468
D124	5PY59JY23	97	576	*E20F1	5KS145BL208	6	410
D125	5PY59JY24	97	576	*E20F2	5KS145BL7	6	434
*D126	5BC42AB1729	98	1080	*E20F6	5KS184BL304	6	540
*D127	5BC46AB1570	98	1900	*E20S1	5KS145BS202	7	499
*D128	5BC46AB1571	98	1900	*E20S2	5KS145RS1	7	523
*D130	5BC46AB1590	98	1912	*E20S6	5KS184BS301	7	679
*D131	5BC46AB1591	98	1912	*E30D2	5KS145AL2	5	446
*D132	5BC46AB2014	98	1970	*E30D4	5KS182AL201	5	430
*D133	5BC46AB2082	98	1970	*E30F1	5KS182BL204	6	502
*D134	5BPB56SAA100	96	534	*E30F2	5KS182BL4	6	542

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Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
*E30S1	5KS182BS201	7	641	F15E2	5KC490G6031U	82	552
*E30S2	5KS182BS1	7	682	F15E4	5KC182BL2119U	82	648
*E34D3	5KCR43NG4	4	329	F20E1	5KC182BL2120U	82	762
*E34D4	5K43MG5802	5	298	F20E2	5KC182BL2137U	82	702
*E34D6	5KS143AL301	5	377	F30E1	5KC184BL2131U	82	888
*E34F6	5KS143BL304	6	406	F30E2	5KC184BL2159U	82	828
*E34S6	5KS143BS301	7	494	F34E1	5KC45RG1451Y	82	410
*E50D2	5KS182AL1	5	509	F50E1	5KC184BL2132U	82	1210
*E50D4	5KS184AL201	5	478	F50E2	5KC184BL2160U	82	1140
*E50F1	5KS184BL204	6	550	*F950	5KC215BL2337U	82	1137
*E50F2	5KS184BL4	6	581	*F951	5KC215BL2338U	82	1390
*E50S1	5KS184BS201	7	689	*F952	5KC215BL2339U	82	1561
*E50S2	5KS184BS1	7	720				
*E75D2	5KS184AL1	5	638	*H100	5KH19FGR312	91	145
*E901	5KS213SL208	7	776	H101	5KH19FGR329	91	186
*E902	5KS215SL208	7	935	H102	5KH19KGR331	91	196
*E903	5KS254SL208	7	1232	H103	5KH19FGR300	91	147
*E904	5KS256SL208	7	1535	H104	5KH19MGR302	91	160
*E905	5KS284SL208	7	1828	H105	5KH25MG102X	91	328
*E906	5KS286SL208	7	2125	H106	5KH32BN113	20	98
*E907	5KS324SL208	7	2823	H108	5KH37PN38	20	148
*E908	5KS326SL208	7	3467	H109	5KH35FN123	20	104
*E909	5KS364SL208	7	4974	H111	5KH32BN114	20	102
*E910	5KS365SL208	7	6305	H112	5KH37PN39	20	152
*E911	5KS405SL208	7	7790	H113	5KH37PN39X	20	158
*E912	5KS444SL208	7	10255	H114	5KH35FN124	20,60	108
*E913	5KS445SL208	7	11922	H115	5KH35FN124X	20,60	114
*E930	5KS213AL205	5	538	H116	5KH32EN66	24	134
*E931	5KS215AL205	5	650	*H117	5KH32EN66X	24	140
*E932	5KS254AL205	5	864	H118	5KH36PN105	24	188
*E933	5KS256AL205	5	1055	*H119	5KH36PN105X	24	194
*E934	5KS284AL205	5	1226	H120	5KH32GN54	24	142
*E935	5KS286AL205	5	1425	H121	5KH32GN54X	24	148
*E936	5KS324AL205	5	1772	H122	5KH32GN68	24	150
*E937	5KS326AL205	5	2066	H123	5KH33FN85	24	144
*E941	5KS405AL208	5	4709	H124	5KH33FN85X	24	150
*E942	5KS444AL208	5	6801	H125	5KH39EN23X	27	278
*E943	5KS445AL208	5	8592	H126	5KH35NN111X	27	314
*E960	5KS213BL205	6	647	H127	5KH32LN164X	27	278
*E961	5KS215BL205	6	780	H128	5KH37SN30X	27	368
*E962	5KS254BL205	6	1042	H129	5KH35PN202X	27	286
*E963	5KS256BL205	6	1268	H130	5KH43MG42	67	196
*E964	5KS284BL205	6	1542	H131	5KH43MG42S	67	202
*E965	5KS286BL205	6	1824	H133	5KH43MG58S	67	210
*E966	5KS324BL205	6	2340	H134	5KH33KN19	70,74	122
*E967	5KS326BL205	6	2881	H135	5KH33KN19S	70,74	128
*E971	5KS444BL208	6	9531	H136	5KH43MG336	70,74	220
*E972	5KS445BL208	6	11123	H137	5KH43MG336S	70,74	226
*E9381	5KS364AL205	5	2532	H138	5KH36NN36	70,74	140
*E9391	5KS365AL205	5	3084	H139	5KH36NN36S	70,74	146
*E9401	5KS404AL205	5	3933	H140	5KH36NN37	70,74	148
*E9681	5KS364BL205	6	4284	H141	5KH36NN37S	70,74	154
*E9691	5KS365BL205	6	5520	H142	5KH43PG326	70,74	256
*E9701	5KS405BL205	6	6775	H143	5KH38SN15	70,74	192
				H144	5KH43MG152X	61	202
F10E1	5KC47UG1278Y	82	432	*H146	5KH49UG130X	61	342
F10E2	5KC47UG6014Y	82	500	H147	5KH45PG343X	61	258
F12E1	5KC43MG2366Y	82	356	H149	5KH43MG216	63	206
F13E1	5KC42HG1040Y	82	320	H150	5KH48PG68	63	242
F15E1	5KC49ZG6038Y	82	492	H151	5KH49UG63	63	318

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*H152	5KH32GN140X	63	142	H212	5KH33FN77	72	132
H153	5KH32CN28	63	114	H213	5KH33FN77X	72	138
H154	5KH36KN113X	63	156	H214	5KH43MG26	72	226
H155	5KH43MG159X	63	278	H215	5KH43MG26X	72	232
H156	5KH32DN24	63	114	H216	5KH48SG10	72	382
H157	5KH32DN24X	63	120	H217	5KH35JN121	72	150
H158	5KH37PN41	63	168	H218	5KH35JN121X	72	156
H159	5KH37PN41X	63	174	H219	5KH48PG5	72	262
H160	5KH33FN11	63	122	H220	5KH49UG7	72	400
H161	5KH33FN11X	63	128	H221	5KH49UG45	72	338
H162	5KH43MG129	63	220	H222	5KH45PG40	72	272
H163	5KH43MG129X	63	226	H223	5KH37PN40	72	174
H164	5KH35JN25	63	140	H224	5KH47SG20	72	330
H165	5KH35JN25X	63	146	H225	5KH43MG38	72	218
H166	5KH35JN26	63	148	H226	5KH45PG73	72	274
H167	5KH35JN26X	63	154	H227	5KH32CN16	17	110
H168	5KH48PG45	63	256	H228	5KH32EN17	17	114
H169	5KH36KN114	64	146	H229	5KH35HN9	17	124
H170	5KH36KN114X	64	152	H230	5KH36LN7	17	154
H171	5KH37PN33	64	168	H231	5KH38RN68X	60	236
H172	5KH37PN33X	64	174	H232	5KH38RN10X	60	244
H173	5KH43MG130	64	212	H233	5KH36PN109	68	192
H174	5KH43MG130X	64	218	H234	5KH32GN81X	68	152
H175	5KH45PG84	64	268	H235	5KH32GN82X	68	160
H176	5KH45PG84X	64	274	H236	5KH35MN56X	68	186
H177	5KH35KN155	68	174	*H238	5KH32DN15	20	110
H178	5KH32EN79	68	138	H239	5KH33FN6	20	118
H179	5KH36PN110	68	178	H240	5KH35JN8	20	136
H180	5KH32GN74	68	132	*H241	5KH36MN6	20	188
H181	5KH32GN81	68	146	*H242	5KH32GN54Y	24	154
H182	5KH43MG283	68	244	*H243	5KH32GN68X	24	156
H183	5KH43MG284	68	252	H244	5KH32EN124	40	148
*H184	5KH35MN54	68	166	*H246	5KH35MN57X	68	194
H185	5KH35MN56	68	180	H247	5KH38SN16S	70	208
H186	5KH43PG285	68	280	H248	5KH36MN17X	63	198
H187	5KH37RN15	68	216	H272	5KH38RN57X	20, 63	236
H188	5KH47UG88	68	356	H273	5KH33KN39	24	174
H189	5KH36PN108	69	192	H274	5KH32CN28X	63	120
H190	5KH43MG297	69	236	H275	5KH45PG86	64	276
H191	5KH43PG299	69	292	*H276	5KH38SN16	70	200
H192	5KH32BN39	70	114	H277	5KH33KN20S	70	136
*H193	5KH32EN40	70	114	*H278	5KH37PN37X	72	252
H194	5KH32GN37	70	100	*H279	5KH37PN40X	72	180
H195	5KH32GN42	70	114	H280	5KH49UG7X	72	406
*H196	5KH32GN42S	70	120	*H281	5KH43MG38X	72	224
H197	5KH35MN132	70	168	*H282	5KH45PG73X	72	280
H198	5KH35MN132S	70	174	H283	5KH19HG214	91	131
H199	5KH3SKA0869	70	108	*H284	5KH19KG216	91	135
H200	5KH3UMA0870	70	126	*H285	5KH48PG68X	63	248
H201	5KH36NN35	70	134	*H286	5KH36MN17	63	192
H202	5KH35KN141	71	146	*H287	5KH36KN112X	72	166
H203	5KH36PN106	71	154	*H288	5KH48SG10X	72	388
H204	5KH32GN142	72	146	*H289	5KH19MGR303	91	168
H205	5KH37PN37	72	246	*H290	5KH36MN137	72	198
H206	5KH36KN112	72	160	*H291	5KH32EN72X	68	128
H207	5KH43MG160	72	278	*H292	5KH32EN79X	68	144
H208	5KH32DN111	72	124	*H293	5KH43PG300	69	300
H209	5KH37PN36	72	178	*H294	5KH43MG159	63	272
H210	5KH37PN36X	72	184	*H295	5KH45PG95	63	292
H211	5KH45PG75	72	312	*H296	5KH48SG51	63	376

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*H297	5KH48PG84X	63	270	K161	5K36PN250	32,85	272
*H298	5KH49UG39X	63	338	K162	5K43PG2503	32	330
*H299	5KH49UG49X	63	346	K163	5K38RN30	32	252
*H300	5KH47SG45	64	324	K164	5K43MG5455	32,85	278
*H301	5KH35NN224X	73	406	K165	5K47UG704	32	354
*H302	5KH37SN102X	73	436	K166	5K43KG2510	32	304
*H303	5KH49MG207X	73	472	K167	5K45SG1069	32,85	306
*H304	5KH47UG56X	73	584	K168	5K47SG753	32	354
*H305	5KH3XLA1057X	75	190	K171	5K43MG8051	32,85	286
*H306	5KH3XLA1056X	67	194	*K173	5K47UG8004	32	362
				*K174	5K43KG8034	32	312
K100	5K33GN1	28	152	K176	5K45SG8007	32,85	314
K101	5K33GN1X	28	192	*K177	5K47SG8007	32	362
K102	5K35FN1	28	132	K179	5K47UG8010	32,85	342
K103	5K35JN265	28	180	K180	5K49ZG8016	32	372
*K104	5K35JN265X	28	220	K184	5K182BL218	32,85	418
K106	5K36MN3	28	206	K185	5K184BL220	32,85	458
K108	5K37MN3	28	184	K188	5K182BL315	32	422
K109	5K37PN1	28	232	K189	5K184BL315	32	450
K110	5K38PN1	29	212	K192	5K182BL7	32	392
K111	5K33GN2	28	168	K193	5K184BL8	32	484
K112	5K35KN5	28	252	K194	5K33KN92	38	184
K113	5K35FN2	28	148	K196	5K42FG2829	38	230
K114	5K35JN259	28	196	K197	5K42HG2835	38	256
K115	5K36JN2	28	160	K198	5K45SG1095	38	262
K116	5K36MN4	28	222	K199	5K32GN39X	34	408
K117	5K43MG2812	28	296	K200	5K32NN41X	34	436
K118	5K37MN4	28	200	*K201	5K42HG5119X	34	508
K119	5K37PN2	28,84	248	K203	5K42HG5074X	34	462
K120	5K45PG952	28	306	K204	5K49MG2067X	34	536
K121	5K38PN2	29	228	K206	5K42KG5118X	34	488
K122	5K38SN3	29,84	254	K207	5K45SG1786X	34	546
K123	5K38SN3X	29	294	K208	5K42JG5149X	34	468
K124	5K39RN34	29	280	K209	5K43PG5281X	34	494
K125	5K45PG973	29,84	282	K211	5K43PG8095EV	34	530
K126	5K48NG648	29	330	K212	5K47UG8077EV	34	558
K127	5K43MG8049	29,84	262	K213	5K182CK265P	34	658
*K128	5K47SG8001	29	338	K214	5K184CK235P	34	698
*K129	5K45KG8010	29	288	K215	5K35FN55	48	162
K130	5K45PG8004	29,84	290	K216	5K36JN57	48	174
*K132	5K48NG8001	29	338	K217	5K36JN56	48	186
K133	5K49UG8001	29,85	318	K218	5K37MN37	48	210
K134	5K49TG8004	29,61	372	K219	5K37MN38	48	222
K135	5K49ZG8010	29,85	338	K220	5K38PN47	48	238
K136	5K49ZG8013	30	404	K221	5K38PN48	48	250
K140	5K182AL214	29,61,85	358	K222	5K47KG746	48	290
K141	5K184AL217	30,62,85	398	K223	5K47KG748	48	302
K144	5K182AL313	29	362	K224	5K48NG666	48	340
K145	5K184AL313	29	390	K225	5K48NG668	48	352
K149	5K182AL5	30,62	424	K226	5K49TG746	48	374
K150	5K184AL6	30,62	532	K227	5K49TG744	48	386
K151	5K32GN30	31	192	K228	5K33FN41	49	186
K153	5K33FN30	31	172	K229	5K35JN46	49	198
K154	5K33KN31	31	220	K230	5K35JN47	49	210
K155	5K36PN30	31	292	K231	5K37NN33	49	234
K156	5K35JN30	31	184	K232	5K37NN34	49	246
K157	5K35JN31	31	188	K233	5K38RN44	49	262
K158	5K42HG2572	31	246	K234	5K38RN49	49	274
K159	5K43MG2814	31	320	K235	5K43KG2589	42,49	314
K160	5K37NN30	32	224	K236	5K43KG2590	49	326

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
K237	5K47SG756	42,49	364	K313	5K36MN52	28	222
K238	5K47SG759	49	376	K314	5K36MN50	28	206
K239	5K49ZG2290	49	398	*K315	5K36MN51	28	206
K240	5K49ZG2291	49	410	K316	5K37FN44	28	232
*K244	5K37NN197	45	250	K317	5K38SN56	29	254
*K245	5K43JG3359	45	278	*K318	5K37PN55	28	246
K246	5K43KG5598	45	330	K319	5K49UG8127	29	342
K247	5K33GN44	41,87	182	*K320	5K182AL222	29	418
K248	5K35KN50	41,87	206	K321	5K35MN75	31	276
K249	5K36MN48	41,87	232	*K322	5K36PN68	31	270
K250	5K37PN35	41,87	258	*K323	5K43MG2823	32	296
K251	5K38SN45	41,87	264	*K324	5K36PN249	32	272
K252	5K32GN36	42,87	206	K325	5K32NN118X	43	446
K253	5K33KN42	42,87	230	K326	5K42HG5180X	43	472
K254	5K35MN48	42,87	256	K327	5K45PG8033	41,87	300
K255	5K36PN253	42,87	282	K328	5K43MG8073	42,87	296
K256	5K43MG5462	42,87	288	K329	5K45SG8035	42,87	324
K257	5K45SG1071	42,87	316	K330	5K47UG8056	42,87	352
K258	5K36PN255	45	286	K331	5K182FL226	42	466
K259	5K43MG5501	45	292	K332	5K184FL230	42	506
*K260	5K45SG1186	45	320	K333	5K49TG8052X	61	416
K261	5K47UG8055	45	356	K339	5K182BK3050	37	538
K262	5K182KL286	45,87	466	K342	5K184BK3019	37	566
K263	5K184KL289	45,87	506	K343	5K182BK1172	37	568
*K264	5K42FG2832	37	294	K344	5K182BK2714	37	534
K265	5K43HG3012	37	320	K345	5K184BK1098	37	600
K266	5K47SG817	37	346	K346	5K184BK2304	37	574
K267	5K37MN9X	61	228	K347	5K43PG8067	37	412
K268	5K37PN10X	61	276	K348	5K43PG8066	37	360
K269	5K38PN6X	61	256	K349	5K47UG8052	37	436
K270	5K38SN7X	61	282	K350	5K45PG8030	37	386
K271	5K45KG951X	61	308	K351	5K47UG8050	37	388
K272	5K45PG2046X	61	326	K353	5K47SG8051	37	436
K273	5K48NG626X	61	374	K354	5K49ZG8090	37	416
K274	5K49UG8144X	61	362	K364	5K182BS301	37	538
K275	5K33GN45	64	172	K366	5K182BS1	37	568
*K276	5K43MG3000	64	300	K367	5K184BS1	37	600
K277	5K37PN36	64	252	*K378	5K49QG2724S	14	340
K278	5K38SN46	64	258	*K379	5K49QG2725S	14	356
K279	5K47SG1116	64	390	*K380	5K49QG2726S	14	390
K280	5K47SG952	64	390	K381	5K36MN87	64	226
K281	5K32GN48	71	172	K382	5K33GN46	28	152
K282	5K42FG2722	71	256	*K383	5K33GN48	28	168
K283	5K33KN52	71	180	*K385	5K37PN49	28	268
K284	5K35MN272	71	226	*K386	5K36MN3X	28	246
K285	5K43MG2930	71	300	*K387	5K36MN53	28	222
*K286	5K36PN247	71	252	*K388	5K37PN54	28	230
K290	5K182AL2449	29	358	K391	5K37PN65	28	248
K291	5K184AL2337	30	398	*K392	5K37PN57	28	248
K293	5K182BL2448	32	418	*K393	5K47SG703	29	330
K295	5K182BL224	32	418	K394	5K45PG8003	29	290
K296	5K184BL226	32	458	*K399	5K49TG8003	29	372
K298	5K47UG8076EV	34	578	*K401	5K49TG8004X	29	412
*K299	5K43PG8093EV	34	528	*K402	5K49ZG8129	28	454
*K301	5K45SG8053EV	34	578	*K404	5K45PG8044	29	286
K303	5K184CK1400P	34	692	*K406	5K182AL413	29	480
K304	5K184CK20P	34	724	*K408	5K49SG8060	29	314
K309	5K184BS301	37	566	*K409	5K182AL3022	29	362
K310	5K182BS201	37	534	K411	5K182AL223	29	358
K311	5K184BS201	37	574	*K412	5K182AL1048	30	424

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
*K413	5K184AL225	30	398	*K500	5K43JG3155	45	266
*K414	5K184AL272	30	458	*K501	5K47SG864	45	368
*K415	5K184AL1023	30	532	*K502	5K47MG8062	45	300
*K417	5K32GN52	31	192	*K505	5K47SG8063	45	328
*K418	5K32GN53	31	192	*K509	5K182KL47	45	500
K419	5K35MN87	31	244	*K510	5K184KL348	45	498
K420	5K35MN77	31	246	*K511	5K184KL29	45	532
K421	5K36PN251	32	272	*K514	5K45PG8001	28	314
*K423	5K43MG5454	32	278	*K515	5K43PG8025	32	338
*K424	5K43MG5456	32	278	*K516	5K42HG2827	38	276
K425	5K43MG8052	32	286	*K517	5K47SG951	64	390
K426	5K35MN85	31	246	*K518	5K48UG882	65	404
*K430	5K43PG8065	32	310	*K519	5K48UG769	65	404
*K433	5K47UG8073	32	338	*K520	5K49ZG1395	65	416
*K434	5K49ZG8128	32	368	*K521	5K45PG974	41	292
*K435	5K182BL225	32	478	*K522	5K33KN67	42	230
*K436	5K184BL9	32	484	*K523	5K36PN254	42	282
K437	5K184BL2442	32	458	*K524	5K43MG5464	42	364
*K438	5K184BL228	32	518	*K525	5K43MG3441	71	258
*K439	5K32GN117	31	196	*K526	5K43MG2915	39	484
*K440	5K47MG8078	50	300	*K527	5K35JN198	28	192
*K441	5K47PG8079	50	328	*K528	5K182AL421	29	540
*K442	5K48NG8012	50	376	*K532	5K38RN63	32	252
*K443	5K49UG8139	50	356	*K533	5K42HG3998X	34	462
*K444	5K49UG8138	50	356	*K534	5K42KG5152X	34	488
*K445	5K49TG8137	50	410	*K535	5K47UG1389X	34	570
*K446	5K49TG8136	50	410	*K536	5K43PG5292X	34	522
*K447	5K182JL2345	50	430	*K538	5K32GN54	69	196
*K448	5K182JL2692	50	430	*K539	5K35MN115	69	280
*K449	5K182JL1150	50	496	*K540	5K35MN118	69	250
*K450	5K182JL189	50	496	*K541	5K43MG2924	69	324
*K451	5K184JL2339	50	470	*K542	5K36PN26	69	276
*K452	5K184JL2311	50	470	*K543	5K45PG1129	64	286
*K453	5K184JL181	50	604	*K544	5K43MG4103	64	328
*K454	5K184JL165	50	604	*K545	5K43MG3195	64	328
*K456	5K42HG2701	39	410	*K546	5K43MG3122	64	328
*K457	5K42HG2931	39	418	*K547	5K48UG768	65	404
*K458	5K43KG2917	39	436	*K548	5K49ZG950	65	416
*K459	5K43MG2648	39	442	*K549	5K49ZG951	65	416
*K460	5K43KG3252	39	444	*K550	5K35MN99	42	268
*K461	5K43MG8090	39	450	*K551	5K36PN252	42	282
*K462	5K43MG8091	39	460	*K552	5K43MG2876	42	306
*K464	5K47UG8074	39	520	*K553	5K36MN77	41	244
*K466	5K47UG8075	39	530	*K554	5K37PN69	41	270
*K467	5K182KL2061	39	638	*K555	5K37PN70	41	270
*K468	5K184KL2021	39	798	*K557	5K36MN8X	61	250
K469	5K35MN86	42	256	*K558	5K43MG3848X	61	282
*K471	5K43MG8071	41,87	272	*K559	5K45PG1295X	61	326
*K472	5K49UG8094	41,87	328	*K560	5K43MG8048	29	262
*K473	5K182DL229	41	406	*K561	5K43MG8008	29	262
*K474	5K184DL233	41	446	*K562	5K47SG8000	29	338
*K476	5K47UG8054	42	372	*K563	5K45PG8005	29	290
*K478	5K182FL3107	42	470	*K565	5K49UG8000	29	318
*K483	5K49FG2080X	43	414	*K566	5K49UG8002	29	318
K484	5K42KG5145X	43	498	*K571	5K43MG8050	32	286
K485	5K43PG5291X	43	504	*K572	5K45SG8006	32	314
*K486	5K43PG5348X	43	532	*K573	5K45SG8008	32	314
*K497	5K182JL254	87	406	*K574	5K47UG8009	32	342
*K498	5K184JL2146	87	446	*K575	5K47UG8011	32	342
*K499	5K37NN196	45	238	*K576	5K45SG1096	38	262

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price	Stock No.	Model No.	Page No.	List Price
*K577	5K35MN92	38	226	*S323	5K444BL118	33	8714
*K578	5K49QG2723S	14	306	*S324	5K444BL208	33,85	7425
*K579	5K43PG8094EX	34	502	*S325	5K445BL118	33	10437
				*S326	5K445BL208	33,85	9031
*P169	5KCP49QG1065S	14	246	*S327	5K445BL119	33	13042
*P170	5KCP49QG158S	14	246	*S328	5K445BL209	33,85	10927
*P171	5KCP49QG159S	14	250	*S329	5K445BL120	33	16178
*P172	5KCP49QG1066S	14	246	*S330	5K445BL210	33,85	13448
*P173	5KCP49QG1067S	14	264	*S501	5K213CN2249P	35	727
*P174	5KCP49QG162S	14	304	*S502	5K215CN2035P	35	847
*P175	5KCP49QG1068S	14	264	*S503	5K254CN205P	35	1085
*P176	5KCP49QG1069S	14	252	*S504	5K256CN205P	35	1299
*P177	5KCP49QG165S	14	304	*S505	5K284CN205P	35	1652
*P178	5KCP49QG166S	14	320	*S506	5K286CN205P	35	1916
*P179	5KCP49QG1070S	14	264	*S507	5K324CN205P	35	2550
*P180	5KCP49QG1073S	14	296	*S508	5K326CN205P	35	3105
*P181	5KCP49QG1074S	14	286	*S550	5K213CN20277	35	640
*P182	5KCP49QG1071S	14	276	*S551	5K215CN20067	35	760
*P183	5KCP49QG1072S	14	276	*S552	5K254CN6663	35	997
*P184	5KCP49QG1075S	14	300	*S553	5K256CN6284	35	1211
*P185	5KCP49QG1076S	14	300	*S554	5K284CN2995	35	1513
				*S555	5K286CN6174	35	1777
*S101	5K213AL205	30,62,85	408	*S560	5K324CN6149	35	2348
*S102	5K213AL105	30,62	505	*S561	5K326CN2949	35	2903
*S103	5K215AL205	30,62,85	516	*S564	5K405CN2370	35	6528
*S104	5K215AL105	30,62	668	*S565	5K444CN2457	35	8488
*S105	5K254AL205	30,62,85	677	*S566	5K445CN2503	35	10094
*S106	5K254AL105	30,62	806	*S701	5K213SL108	37	540
*S108	5K256AL205	30,62,85	843	*S702	5K213SL208	37	540
*S109	5K256AL105	30,62	983	*S703	5K215SL108	37	642
*S110	5K284AL205	30,62,85	993	*S704	5K215SL208	37	665
*S111	5K284AL115	30,62	1117	*S705	5K254SL108	37	868
*S112	5K286AL205	30,62,85	1160	*S706	5K254SL208	37	879
*S113	5K286AL115	30,62	1520	*S707	5K256SL208	37	1102
*S114	5K324AL205	30,62,85	1446	*S708	5K284SL208	37	1321
*S115	5K324AL115	30,62	1874	*S709	5K286SL208	37	1596
*S116	5K326AL205	30,62,85	1688	*S710	5K324SL208	37	2056
*S117	5K326AL115	30,62	2245	*S711	5K326SL208	37	2633
*S125	5K405AL118	30,62	6367	*S712	5K364SL208	37	3961
*S126	5K444AL208	30,62,85	5760	*S713	5K365SL208	37	5042
*S127	5K444AL118	30,62	8372	*S714	5K405SL208	37	6142
*S128	5K445AL208	30,62,85	7022	*S715	5K444SL208	37	7930
*S129	5K445AL118	30,62	10032	*S716	5K445SL208	37	9600
*S130	5K445AL209	30,62,85	8863	*S717	5K445SL209	37	11572
*S301	5K213BL105	32	494	*S900	5K213KN2047	39	1036
*S302	5K213BL205	32,85	494	*S901	5K215KN6218	39	1232
*S303	5K215BL105	32	592	*S902	5K254KN2515	39	1563
*S304	5K215BL205	32,85	614	*S1181	5K364AL205	30,62,85	2125
*S305	5K254BL105	32	800	*S1191	5K364AL115	30,62	2911
*S306	5K254BL205	32,85	811	*S1201	5K365AL205	30,62,85	2703
*S307	5K256BL105	33	1079	*S1211	5K365AL115	30,62	4002
*S308	5K256BL205	33,85	1025	*S1221	5K404AL205	30,62,85	3483
*S309	5K284BL115	33	1325	*S1231	5K404AL118	30,62	4923
*S310	5K284BL205	33,85	1230	*S1241	5K405AL208	30,62,85	4006
*S311	5K286BL115	33	1461	*S3171	5K364BL115	33	3891
*S312	5K286BL205	33,85	1494	*S3181	5K364BL205	33,85	3734
*S313	5K324BL115	33	1917	*S3191	5K365BL115	33	4633
*S314	5K324BL205	33,85	1932	*S3201	5K365BL205	33,85	4773
*S315	5K326BL115	33	2658	*S3211	5K405BL115	33	6251
*S316	5K326BL205	33,85	2487	*S3221	5K405BL205	33,85	5756

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Stock No.	Model No.	Page No.	List Price
*S5621	5K364CN2561	35	4310
*S5631	5K365CN2425	35	5349
*S6201	5K213KL217	45,87	570
*S6211	5K215KL254	45,87	690
*S6221	5K254KL218	45,87	910
*S6231	5K256KL264	45,87	1124
*S6241	5K284KL230	45,87	1370
*S6251	5K286KL242	45,87	1634

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5BC42AB1729	98	*D126	1080	5K32GN48	71	K281	172
AB1780	98	*D141	1092	GN52	31	*K417	192
AB1830	98	*D137	1080	GN53	31	*K418	192
AB1834	98	*D136	1080	GN54	69	*K538	196
AB1882	98	*D142	1092	GN117	31	*K439	196
AB2177	98	*D143	1150	NN118X	43	K325	446
5BC46AB1570	98	*D127	1900	5K33GN1	28	K100	152
AB1571	98	*D128	1900	GN1X	28	K101	192
AB1572	98	*D138	1900	GN2	28	K111	168
AB1581	98	*D139	1920	FN30	31	K153	172
AB1582	98	*D140	1920	KN31	31	K154	220
AB1590	98	*D130	1912	FN41	49	K228	186
AB1591	98	*D131	1912	KN42	42,87	K253	230
AB2014	98	*D132	1970	GN44	41,87	K247	182
AB2082	98	*D133	1970	GN45	64	K275	172
AB2291	98	*D144	1970	GN46	28	K382	152
5BCC56KD6	94	*D112	572	GN48	28	*K383	168
ED8	94	*D107	532	KN52	71	K283	180
CD10	94	*D106	428	KN67	42	*K522	230
BD34	94	*D111	428	KN92	38	K194	184
5BCD56ND88	95	*D116	554	5K35FN1	28	K102	132
CD247	95	D115	423	FN2	28	K113	148
RD397	95	D117	625	KN5	28	K112	252
RD398	95	*D118	726	JN30	31	K156	184
RD418	95	*D135	637	JN31	31	K157	188
5BCJ56ED7	94	*D110	584	JN46	49	K229	198
CD9	94	*D109	472	JN47	49	K230	210
BD34	94	*D113	468	MN48	42,87	K254	256
5BPB56HAA100	96	D100	298	KN50	41,87	K248	206
KAA100	96	*D102	362	FN55	48	K215	162
PAA100	96	D103	443	MN75	31	K321	276
SAA100	96	*D134	534	MN77	31	K420	246
PAA101	96	D104	463	MN85	31	K426	246
SAA101	96	D105	558	MN86	42	K469	256
KAA102	96	D101	330	MN87	31	K419	244
5CD122HE001B	92	*D301	465	MN92	38	*K577	226
NE001B	92	*D300	455	MN99	42	*K550	268
5CD123GE001B	92	*D302	545	MN115	69	*K539	280
PE001B	92	*D304	560	MN118	69	*K540	250
UE001B	92	*D303	550	JN198	28	*K527	192
UE002B	92	*D306	660	JN259	28	K114	196
5CD124TE001B	92	*D307	670	JN265	28	K103	180
5CD125TE001B	92	*D305	710	JN265X	28	*K104	220
WE001B	92	*D310	860	MN272	71	K284	226
YE001B	92	*D309	850	5K36JN2	28	K115	160
TE002B	92	*D308	850	MN3	28	K106	206
5K32GN30	31	K151	192	MN3X	28	*K386	246
GN36	42,87	K252	206	MN4	28	K116	222
GN39X	34	K199	408	MN8X	61	*K557	250
NN41X	34	K200	436	PN26	69	*K542	276
				PN30	31	K155	292
				MN48	41,87	K249	232
				MN50	28	K314	206
				MN51	28	*K315	206
				MN52	28	K313	222
				MN53	28	*K387	222
				JN56	48	K217	186

## CROSS REFERENCE

### MODEL NUMBER / STOCK NUMBER

\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5K36JN57	48	K216	174	5K42FG2832	37	*K264	294
PN68	31	*K322	270	HG2835	38	K197	256
MN77	41	*K553	244	HG2931	39	*K457	418
MN87	64	K381	226	HG3998X	34	*K533	462
PN247	71	*K286	252	HG5074X	34	K203	462
PN249	32	*K324	272	KG5118X	34	K206	488
PN250	32, 85	K161	272	HG5119X	34	*K201	508
PN251	32	K421	272	KG5145X	43	K484	498
PN252	42	*K551	282	JG5149X	34	K208	468
PN253	42, 87	K255	282	KG5152X	34	*K534	488
PN254	42	*K523	282	HG5180X	43	K326	472
PN255	45	K258	286	JG5522	5	*E12D4	266
5K37PN1	28	K109	232	5K43PG2503	32	K162	330
PN2	28, 84	K119	248	KG2510	32	K166	304
MN3	28	K108	184	KG2589	42, 49	K235	314
MN4	28	K118	200	KG2590	49	K236	326
MN9X	61	K267	228	MG2648	39	*K459	442
PN10X	61	K268	276	MG2812	28	K117	296
NN30	32	K160	224	MG2814	31	K159	320
NN33	49	K231	234	MG2823	32	*K323	296
NN34	49	K232	246	MG2876	42	*K552	306
PN35	41, 87	K250	258	MG2915	39	*K526	484
PN36	64	K277	252	KG2917	39	*K458	436
MN37	48	K218	210	MG2924	69	*K541	324
MN38	48	K219	222	MG2930	71	K285	300
PN44	28	K316	232	MG3000	64	*K276	300
PN49	28	*K385	268	HG3012	37	K265	320
PN54	28	*K388	230	MG3122	64	*K546	328
PN55	28	*K318	246	JG3155	45	*K500	266
PN57	28	*K392	248	MG3195	64	*K545	328
PN65	28	K391	248	KG3252	39	*K460	444
PN69	41	*K554	270	JG3359	45	*K245	278
PN70	41	*K555	270	MG3441	71	*K525	258
NN196	45	*K499	238	MG3848X	61	*K558	282
NN197	45	*K244	250	MG4103	64	*K544	328
5K38PN1	29	K110	212	PG5281X	34	K209	494
PN2	29	K121	228	PG5291X	43	K485	504
SN3	29, 84	K122	254	PG5292X	34	*K536	522
SN3X	29	K123	294	PG5348X	43	*K486	532
PN6X	61	K269	256	MG5454	32	*K423	278
SN7X	61	K270	282	MG5455	32, 85	K164	278
RN30	32	K163	252	MG5456	32	*K424	278
RN44	49	K233	262	MG5462	42, 87	K256	288
SN45	41, 87	K251	264	MG5464	42	*K524	364
SN46	64	K278	258	MG5501	45	K259	292
PN47	48	K220	238	KG5598	45	K246	330
PN48	48	K221	250	MG5802	5	*E34D4	298
RN49	49	K234	274	MG8008	29	*K561	262
SN56	29	K317	254	PG8025	32	*K515	338
RN63	32	*K532	252	KG8034	32	*K174	312
5K39RN34	29	K124	280	MG8048	29	*K560	262
5K42HG2572	31	K158	246	MG8049	29, 84	K127	262
HG2701	39	*K456	410	MG8050	32	*K571	286
FG2722	71	K282	256	MG8051	32, 85	K171	286
HG2827	38	*K516	276	MG8052	32	K425	286
FG2829	38	K196	230	PG8065	32	*K430	310
				PG8066	37	K348	360
				PG8067	37	K347	412
				MG8071	41, 87	*K471	272

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### MODEL NUMBER / STOCK NUMBER

\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5K43MG8073	42,87	K328	296	5K47UG8056	42,87	K330	352
MG8090	39	*K461	450	MG8062	45	*K502	300
MG8091	39	*K462	460	SG8063	45	*K505	328
PG8093EV	34	*K299	528	UG8073	32	*K433	338
PG8094EX	34	*K579	502	UG8074	39	*K464	520
PG8095EV	34	K211	530	UG8075	39	*K466	530
				UG8076EV	34	K298	578
5K45KG951X	61	K271	308	UG8077EV	34	K212	558
PG952	28	K120	306	MG8078	50	*K440	300
PG973	29,84	K125	282	PG8079	50	*K441	328
PG974	41	*K521	292				
SG1069	32,85	K167	306	5K48NG626X	61	K273	374
SG1071	42,87	K257	316	NG648	29	K126	330
SG1095	38	K198	262	NG666	48	K224	340
SG1096	38	*K576	262	NG668	48	K225	352
PG1129	64	*K543	286	UG768	65	*K547	404
SG1186	45	*K260	320	UG769	65	*K519	404
PG1295X	61	*K559	326	UG882	65	*K518	404
SG1786X	34	K207	546	UG1169	5	*E10D4	305
PG2046X	61	K272	326	NG8001	29	*K132	338
PG8001	28	*K514	314	NG8012	50	*K442	376
PG8003	29	K394	290				
PG8004	29,84	K130	290	5K49TG744	48	K227	386
PG8005	29	*K563	290	TG746	48	K226	374
SG8006	32	*K572	314	ZG950	65	*K548	416
SG8007	32,85	K176	314	ZG951	65	*K549	416
SG8008	32	*K573	314	ZG1395	65	*K520	416
KG8010	29	*K129	288	MG2067X	34	K204	536
PG8030	37	K350	386	FG2080X	43	*K483	414
PG8033	41,87	K327	300	ZG2290	49	K239	398
SG8035	42,87	K329	324	ZG2291	49	K240	410
PG8044	29	*K404	286	QG2723S	14	*K578	306
SG8053EV	34	*K301	578	QG2724S	14	*K378	340
				QG2725S	14	*K379	356
5K47SG703	29	*K393	330	QG2726S	14	*K380	390
UG704	32	K165	354	UG8000	29	*K565	318
KG746	48	K222	290	UG8001	29,85	K133	318
KG748	48	K223	302	UG8002	29	*K566	318
SG753	32	K168	354	TG8003	29	*K399	372
SG756	42,49	K237	364	TG8004	29,61	K134	372
SG759	49	K238	376	TG8004X	29	*K401	412
SG817	37	K266	346	ZG8010	29,85	K135	338
SG864	45	*K501	368	ZG8013	30	K136	404
SG951	64	*K517	390	ZG8016	32	K180	372
SG952	64	K280	390	TG8052X	61	K333	416
SG1116	64	K279	390	SG8060	29	*K408	314
UG1389X	34	*K535	570	ZG8090	37	K354	416
UG1658	6	*E10F1	334	UG8094	41,87	*K472	328
SG8000	29	*K562	338	UG8127	29	K319	342
SG8001	29	*K128	338	ZG8128	32	*K434	368
UG8004	32	*K173	362	ZG8129	28	*K402	454
SG8007	32	*K177	362	TG8136	50	*K446	410
UG8009	32	*K574	342	TG8137	50	*K445	410
UG8010	32,85	K179	342	UG8138	50	*K444	356
UG8011	32	*K575	342	UG8139	50	*K443	356
UG8050	37	K351	388	UG8144X	61	K274	362
SG8051	37	K353	436				
UG8052	37	K349	436	5K182BS1	37	K366	568
UG8054	42	*K476	372	AL5	30,62	K149	424
UG8055	45	K261	356	BL7	32	K192	392

## CROSS REFERENCE

### MODEL NUMBER / STOCK NUMBER

\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5K182KL47	45	*K509	500	5K184BK2304	37	K346	574
JL189	50	*K450	496	JL2311	50	*K452	470
BS201	37	K310	534	AL2337	30	K291	398
AL214	29,61,85	K140	358	JL2339	50	*K451	470
BL218	32,85	K184	418	BL2442	32	K437	458
AL222	29	*K320	418	BK3019	37	K342	566
AL223	29	K411	358				
BL224	32	K295	418	5K213AL105	30,62	*S102	505
BL225	32	*K435	478	BL105	32	*S301	494
FL226	42	K331	466	SL108	37	*S701	540
DL229	41	*K473	406	AL205	30,62,85	*S101	408
JL254	87	*K497	406	BL205	32,85	*S302	494
CK265P	34	K213	658	SL208	37	*S702	540
KL286	45,87	K262	466	KL217	45,87	*S6201	570
BS301	37	K364	538	KN2047	39	*S900	1036
AL313	29	K144	362	CN2249P	35	*S501	727
BL315	32	K188	422	CN20277	35	*S550	640
AL413	29	*K406	480				
AL421	29	*K528	540	5K215AL105	30,62	*S104	668
AL1048	30	*K412	424	BL105	32	*S303	592
JL1150	50	*K449	496	SL108	37	*S703	642
BK1172	37	K343	568	AL205	30,62,85	*S103	516
KL2061	39	*K467	638	BL205	32,85	*S304	614
JL2345	50	*K447	430	SL208	37	*S704	665
BL2448	32	K293	418	KL254	45,87	*S6211	690
AL2449	29	K290	358	CN2035P	35	*S502	847
JL2692	50	*K448	430	KN6218	39	*S901	1232
BK2714	37	K344	534	CN20067	35	*S551	760
AL3022	29	*K409	362				
BK3050	37	K339	538	5K254AL105	30,62	*S106	806
FL3107	42	*K478	470	BL105	32	*S305	800
				SL108	37	*S705	868
5K184BS1	37	K367	600	AL205	30,62,85	*S105	677
AL6	30,62	K150	532	BL205	32,85	*S306	811
BL8	32	K193	484	CN205P	35	*S503	1085
BL9	32	*K436	484	SL208	37	*S706	879
CK20P	34	K304	724	KL218	45,87	*S6221	910
KL29	45	*K511	532	KN2515	39	*S902	1563
JL165	50	*K454	604	CN6663	35	*S552	997
JL181	50	*K453	604				
BS201	37	K311	574	5K256AL105	30,62	*S109	983
AL217	30,62,85	K141	398	BL105	33	*S307	1079
BL220	32,85	K185	458	AL205	30,62,85	*S108	843
AL225	30	K413	398	BL205	33,85	*S308	1025
BL226	32	K296	458	CN205P	35	*S504	1299
BL228	32	*K438	518	SL208	37	*S707	1102
FL230	42	K332	506	KL264	45,87	*S6231	1124
DL233	41	*K474	446	CN6284	35	*S553	1211
CK235P	34	K214	698				
AL272	30	*K414	458	5K284AL115	30,62	*S111	1117
KL289	45,87	K263	506	BL115	33	*S309	1325
BS301	37	K309	566	AL205	30,62,85	*S110	993
AL313	29	K145	390	BL205	33,85	*S310	1230
BL315	32	K189	450	CN205P	35	*S505	1652
KL348	45	*K510	498	SL208	37	*S708	1321
AL1023	30	*K415	532	KL230	45,87	*S6241	1370
BK1098	37	K345	600	CN2995	35	*S554	1513
CK1400P	34	K303	692				
KL2021	39	*K468	798	5K286AL115	30,62	*S113	1520
JL2146	87	*K498	446	BL115	33	*S311	1461

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5K286AL205	30,62,85	*S112	1160	5K445SL208	37	*S716	9600
BL205	33,85	*S312	1494	AL209	30,62,85	*S130	8863
CN205P	35	*S506	1916	BL209	33,85	*S328	10927
SL208	37	*S709	1596	SL209	37	*S717	11572
KL242	45,87	*S6251	1634	BL210	33,85	*S330	13448
CN6174	35	*S555	1777	CN2503	35	*S566	10094
5K324AL115	30,62	*S115	1874	5K32GN8	25	C241	178
BL115	33	*S313	1917	GN9	25	C242	186
AL205	30,62,85	*S114	1446	GN9X	25	C243	194
BL205	33,85	*S314	1932	GN12X	26	*C246	172
CN205P	35	*S507	2550	GN13	26	C247	174
SL208	37	*S710	2056	GN18	25	C249	182
CN6149	35	*S560	2348	GN19	25	C250	190
				GN19X	25	C251	198
5K326AL115	30,62	*S117	2245	GN24	40,86	*C365	192
BL115	33	*S315	2658	GN25	40,86	C366	200
AL205	30,62,85	*S116	1688				
BL205	33,85	*S316	2487	5K33FN7X	22	*C428	150
CN205P	35	*S508	3105	FN9	18,90	C100	130
SL208	37	*S711	2633	KN19	25	*C462	210
CN2949	35	*S561	2903	FN31X	47	C347	186
				FN33	25	C244	164
5K364AL115	30,62	*S1191	2911	FN34	25	C253	168
BL115	33	*S3171	3891				
AL205	30,62,85	*S1181	2125	5K35JN4	19,66	C127	142
BL205	33,85	*S3181	3734	JN7	22	C202	150
SL208	37	*S712	3961	JN7X	22	C203	158
CN2556	35	*S5621	4310	JN8	21	C144	146
				JN8X	21	C145	154
5K365AL115	30,62	*S1211	4002	JN9	18,90	C102	138
BL115	33	*S3191	4633	JN9X	18	C423	144
AL205	30,62,85	*S1201	2703	JN10	21,84	C147	162
BL205	33,85	*S3201	4773	JN10X	21	C148	170
SL208	37	*S713	5042	JN11	21	C142	138
CN2425	35	*S5631	5349	JN11X	21	C143	144
				JN12	22	C200	142
5K404AL118	30,62	*S1231	4923	JN12X	22	C201	148
AL205	30,62,85	*S1221	3483	JN13	21,59	C146	154
				HN22T	22	*C455	174
5K405BL115	33	*S3211	6251	JN23	19	C128	150
AL118	30,62	*S125	6367	JN23X	19,66	C129	158
BL205	33,85	*S3221	5756	JN26	19,66	C132	154
AL208	30,62,85	*S1241	4006	JN27Y	18,90	C105	180
SL208	37	*S714	6142	JN29X	22	C204	162
CN2370	35	*S564	6528	JN30	18	C103	146
				JN30X	18	C104	154
5K444AL118	30,62	*S127	8372	MN43	25	C254	220
BL118	33	*S323	8714	MN43X	25	C255	228
AL208	30,62,85	*S126	5760	MN43Y	25	C256	234
BL208	33,85	*S324	7425	MN44	26	C286	208
SL208	37	*S715	7930	FN50	21	C151	124
CN2457	35	*S565	8488	FN50X	21	C152	132
				FN51	22	C207	128
5K445AL118	30,62	*S129	10032	FN51X	22	C208	136
BL118	33	*S325	10437	FN52X	44	*C342	178
BL119	33	*S327	13042	JN69X	40,86	C353	174
BL120	33	*S329	16178	JN70X	40,86	C354	184
AL208	30,62,85	*S128	7022	FN71Y	88	B13N1	160
BL208	33,85	*S326	9031	MN73	40,86	C367	230

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### MODEL NUMBER / STOCK NUMBER

\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KC35PN79X	43	C377	360	5KC37NN1X	23	C223	244
PN96X	27	C303	330	NN3	23	C221	220
5KC36LN1	23	*C215	200	NN3X	23	C222	228
LN1X	23	C216	208	NN5	21	C165	216
LN3	23	C213	184	NN5X	21	C166	224
LN3X	23	C214	192	NN6	21,57,59,84	C167	232
MN4	19,66	C135	184	NN6X	21,57	C168	240
MN4X	19,66	C136	192	NN6Y	21,57	*C169	246
LN5	21	C156	180	NN8	21	*C450	204
LN5X	21	C157	188	NN8T	21	*C451	212
MN6	18,90	C109	180	NN12	63	C415	236
MN6X	18	C424	188	NN12X	63	C416	244
LN7	21,59,84	C158	196	NN14	23	*C456	208
LN7X	21	C159	204	NN14T	23	*C457	216
LN8	21	C155	172	NN15	21	C164	228
LN8X	21	C427	178	NN16X	60	C397	228
LN9X	23	C212	182	NN22	83	C385	246
LN18	21	C431	170	NN23	83	*C481	246
LN19	22	*C437	174	RN24	26,84	C261	256
LN19T	22	C460	182	RN24U	26	C263	270
MN20	90	C393	196	RN24X	26	C262	264
MN21X	18	C107	184	NN25Y	83	C386	268
LN26	23	C209	180	RN33	26	C288	244
LN26X	23	C210	188	RN33X	26	*C443	252
MN27X	19	C133	192	RN34X	26	C289	268
MN28Y	18,90	C110	210	RN35	26	C260	252
LN30	21	C153	176	FN54X	56	C313	152
LN30X	21	C154	184	FN55X	56	C314	164
LN31X	23	*C429	178	FN56X	56	C315	162
LN32	83	C383	208	FN57X	56	C316	174
JN40	83	C382	173	LN64X	60	C396	152
LN43Y	83	C384	230	FN65X	46	C329	174
NN56	25	C440	244	FN70X	46	C327	152
MN58X	76	*A12D3	96	FN71X	46	C328	162
JN74Y	88	B12N1	196	NN73	22	C171	186
LN83	40,86	C355	206	NN73X	22	C172	194
LN83X	40,86	C356	214	NN76	40,86	C358	242
LN85	25	C441	180	NN76X	40,86	C359	250
LN85X	25	C245	188	RN81	40,86	C368	266
JN86X	44	*C343	194	RN81X	40	C446	274
JN87	90	C392	140	NN82	23	C226	190
LN88	44	*C372	210	NN82X	23	C227	198
JN90	18	C106	124	NN84X	60	C398	198
JN131	18,90	C447	128	LN86	90	C394	156
LN138	25	C258	184	NN88	44	C373	246
LN138X	25	C259	192	RN89	44	C375	270
LN144X	44	C444	206	NN90	18,90	C118	202
LN166	47	C348	194	LN91	18	C111	140
LN166X	47	C349	202	MN96	21	*C459	164
LN169X	47	*C465	214	LN107T	76	A12D2	168
JN242X	56	C317	178	NN108T	76	A34D2	214
JN266	21	C162	140	NN113X	60	C467	194
JN266X	21	C163	148	LN131	18,90	*C448	144
JN267	23	C219	144	NN160	90	*C449	202
JN267X	23	C220	152	NN322	26	C265	226
JN268X	46	C330	178	NN322X	26	C266	234
JN269X	46	C331	190	NN322Y	26	C267	240
JN270X	56	C318	190	5KC38RN4	19,66	C137	220
				RN4X	19,66	C138	228

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Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KC38RN7	18,90	C115	216	5KC43PG631	25	C248	374
RN7X	18	C425	224	MG633	25	C252	288
SN13	22	C432	240	PG634	25	C257	324
SN13T	22	*C452	248	MG1348	36	C389	264
SN14	23	C438	244	MG1350	36	*C391	330
SN14T	23	*C439	252	HG2322X	27	C305	380
RN15	18	*C112	208	JG2323X	27	*C470	404
RN17	18	C116	232	HG2326X	43	C378	390
RN17U	18,90	C117	246	MG2366Y	82	F12E1	356
UN23	26	C442	280				
RN26X	76	*A34D3	114	5KC45PG50X	61	C406	300
RN60	22	C179	218	PG328X	64	C419	316
RN60X	22	C180	226	DR412U	58	*9021	160
RN68	23	C233	222	NG441	26	C272	258
RN68X	23	C234	230	NG441X	26	C273	266
RN69X	61	C401	230	NG441Y	26	*C274	272
RN92T	76	A10D2	246	SG444	26	*C469	334
				NG446	47	C350	268
5KC39UN1	23	C228	274	NG446X	47	C351	276
UN1X	23	C229	282	NG514X	47	C352	288
UN2	22	C173	270	NG536X	44	C445	280
UN2X	22	C174	278	PG804	18,90	C119	290
UN3	22,57,59,84	C175	286	PG804X	18	C120	298
UN3U	22,57	C177	300	PG805	19,66	C139	294
UN3X	22,57	C176	294	PG805X	19,66	C140	302
UN4	63	C417	290	RG1181	40,86	C369	320
UN4X	63	C418	298	RG1183	26,84	C268	310
UN6	23	C230	290	RG1183X	26	C269	318
UN6X	23	C231	298	RG1184X	26	*C463	306
UN7T	76	A34D1	298	NG1378X	27	*C471	440
UN8	60	*C399	274	MG1380X	27	C304	440
UN8X	60	C400	282	MG1381X	27	*C506	448
UN10	83	C387	303	MG1382X	27	C308	416
UN11	83	*C482	303	MG1388X	43	*C379	426
UN12Y	83	*C388	325	RG1451Y	82	F34E1	410
NN40X	56	C319	220				
NN41X	56	C320	232	5KC47SG124	67	C408	322
RN42X	56	C321	252	SG124S	67	C409	328
RN43X	56	C322	264	SG125	67	C410	330
RN44X	46	C334	252	SG125S	67	C411	336
RN45X	46	C335	264	UG383	26	C264	400
UN47	40,86	C361	296	UG383X	26	*C485	408
UN47X	40,86	C362	304	KR396T	58	*9020	160
NN50X	46	C332	220	KR402U	58	*9023	184
NN51X	46	C333	232	UG694	26,84	C275	332
LN233X	54	*C473	208	UG694X	26	C276	340
LN234X	54	*C487	196	UG694Y	26	C277	346
NN235X	54	*C488	250	UG695	40,86	C370	342
NN236X	54	*C489	238	UG696	26	C291	344
RN237X	54	*C490	282	UG696X	26	C292	352
RN238X	54	*C491	270	UG715	44	*C376	346
NN239X	55	*C496	272	RG723	23	C235	320
NN240X	55	*C497	260	RG723X	23	C236	328
RN241X	55	*C498	331	RG724X	61	C402	304
RN242X	55	*C499	319	RG735	22,57,59,84	C181	308
				RG735X	22,57	C182	316
5KC42HG1040Y	82	F13E1	320	RG736X	40,86	C363	326
				PG748	23	*C484	312
5KC43MG19	22	C205	244	PG748X	23	C237	318
MG58X	22	C206	260	PG749	22	C184	306

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KC47PG750X	61	C403	302	5KC49WG523	23	C232	484
RG820	83	*C483	350	WG524	22	C178	480
SG1113X	23	*C458	306	WG527	22, 57, 84	C185	360
PG1211X	27	C306	484	WG527X	22, 57	C186	368
SG1232	22	*C453	294	WG528X	40	C364	378
PG1247X	27	*C311	470	ZG530	40, 86	C371	394
PG1248X	43	*C380	480	TG548	22	C187	378
UG1278Y	82	F10E1	432	TG549X	23	C240	390
PG1298T	76	*A15D2	318	ZG550T	46	C341	640
RG6000	22	*C188	316	ZG551T	46	C340	628
UG6003	26	*C295	340	WG552X	61	C404	372
UG6014Y	82	F10E2	500	TG553X	61	C405	390
				UG628	64	*C475	500
5KC48PG2	23	C217	288	UG629	64	*C476	500
PG2X	23	C218	296	TG1029T	47	C466	420
PG6	21	C161	284	TG1031U	26	C284	416
SG188	36	C390	294	FG1101X	27	C307	360
SG275	26	C278	330	TG1343X	54	*C494	426
SG275U	26	C280	344	TG1344X	54	*C495	414
SG275X	26	C279	338	UG1345X	55	*C502	476
UG279	22	C434	340	UG1346X	55	*C503	464
UG280T	23	*C480	352	ZG1347X	55	*C504	577
WG311	26	C271	504	ZG1348X	55	*C505	565
UG711X	27	C309	560	WG6002	22	*C191	368
TG726T	76	A10D1	328	TG6003	22	C192	386
UG741X	27	C312	500	ZG6004	26	*C297	392
NG807X	56	C323	324	QG6006	22, 57, 59, 84	C193	462
NG848X	46	C336	324	QG6006X	22, 57	C381	470
NG849X	46	C337	336	ZG6007	22	C194	618
NG850X	56	C324	336	QG6024X	61	C468	474
PG899X	54	*C492	354	QG6031U	82	F15E2	552
PG900X	54	*C493	342	ZG6038Y	82	F15E1	492
PG901X	55	*C500	376				
PG902X	55	*C501	364	5KC182AL2	22	*C479	638
				BL201	26	C300	542
5KC49LR13T	58	*9022	184	AL202	22	C197	482
UG18	67	C412	392	BL2119U	82	F15E4	648
UG18S	67	C413	398	BL2120U	82	F20E1	762
UG26	67	*C477	384	BL2137U	82	F20E2	702
UG26S	67	*C478	390				
UG35	22	C170	360	5KC184BL201	26	C301	668
UG36	23	C224	364	AL202	22, 59	C198	608
UG36X	23	C225	372	AL292	22, 59	C199	940
PR108U	58	*9025	244	BL2006	26	*C472	980
PR109U	58	*9026	284	BL2131U	82	F30E1	888
UG112X	61	C414	398	BL2132U	82	F50E1	1210
UG120X	61	C407	390	BL2159U	82	F30E2	828
UG174	64	C420	400	BL2160U	82	F50E2	1140
UG174X	64	*C474	406				
UG257X	64	*C486	414	5KC215BL2337U	82	*F950	1137
TG325X	46	C338	396	BL2338U	82	*F951	1390
TG326X	46	C339	408	BL2339U	82	*F952	1561
TG369X	56	C325	396				
TG430X	56	*C326	408	5KCP29BK9309T	16	*2965	158
WG507	23	C238	404	EK9310T	16	2966	166
WG507X	23	C239	412	DK9311T	16	2967	165
QG511	22	C183	548				
ZG522	26, 84	C281	384	5KCP39LGC003T	12	3031	146
ZG522U	26	C283	398	NGC004T	12	3032	161
ZG522X	26	C282	392	PGC070T	12	3026	186

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KCP39PGC071T	12	3033	224	5KCP39EG3332T	10	*3471	99
PGC092S	78	*3005	166	DG3334T	10	3472	101
PGC094T	12	3049	184	GG3336T	10	*3481	104
CGF109T	16	*3657	168	GG3338T	10	3482	106
GGF110T	16	3677	176	GG3611S	78	*3009	126
KGF111T	16	3687	191	PG5076T	10	3991	133
PGF112T	16	*3697	213	PG5081T	9	3691	161
KGF113T	16	*3887	183	NG5082T	9	3692	163
NGD123T	10	3292	130	MG5312T	9	3891	146
GGC124T	12	3046	138	MG5313T	9	3892	148
PGC131T	12	3039	224	GG5606S	78	*3012	118
GGC132T	12	3200	147	CG5824T	9	3641	126
KGC133T	12	3040	167	CG5825T	9	3642	128
PGC138T	78	3132	170	DG5826T	9	3651	130
GGB158T	78	3070	124	CG5827T	9	3652	132
PGC199T	12	3048	185	GG5828T	9	3671	138
FGE211T	11	3992	113	FG5829T	9	3672	140
FGE212T	11	3993	115	LG5830T	9	3681	146
HGE213T	11	3994	118	JG5831T	9	3682	148
HGE214T	11	3995	120	LG7552T	10	3981	118
MGE215T	11	3996	127	GG7914T	10	3976	110
LGE216T	11	3997	129	EG9049T	9	3872	135
GGD320T	78	3047	101	HG9050T	9	3881	137
EGC336T	13	3206	144	HG9051T	9	3882	139
JGC337T	13	3208	152	FG9478T	11	3984	121
HGC338T	13	3210	154	JG9479T	11	3986	128
NGC339T	13	3212	167	LG9683T	11	3985	126
MGC340T	13	3214	169	PG9701T	78	3050	168
KGD368T	14	3091	153	GG9708T	11	3983	119
NGD369T	14, 78	3092	169	NG9709T	11	3988	144
PGE413T	11	3989	166	PG9710T	11	3987	142
PGE414T	11	3990	168	5KCP49QG158S	14	*P170	246
PGE415T	11	3998	141	QG159S	14	*P171	250
PGE416T	11	3999	143	QG162S	14	*P174	304
HGA499T	78	*3074	117	QG165S	14	*P177	304
KGC519T	16	3280	200	QG166S	14	*P178	320
PGC520T	16	3290	249	QG1065S	14	*P169	246
GGC521T	16	3470	179	QG1066S	14	*P172	246
NGC522T	16	3490	201	QG1067S	14	*P173	264
DGA768T	12	3027	114	QG1068S	14	*P175	264
CGA769T	12	3028	122	QG1069S	14	*P176	252
LGA770T	12	3029	130	QG1070S	14	*P179	264
NGA771T	12	3030	145	QG1071S	14	*P182	276
PGA853T	9	3898	163	QG1072S	14	*P183	276
PGA854T	9	3698	187	QG1073S	14	*P180	296
CGA862T	78	3060	132	QG1074S	14	*P181	286
HGE930T	78	3084	123	QG1075S	14	*P184	300
DGA931T	12	3061	122	QG1076S	14	*P185	300
MGE931T	12	3085	131	5KCR37MN6	4	*E14D3	180
PGE932T	12	3086	146	NN7	4	*E13D3	216
KG1369S	78	3001	132	5KCR43MG3	4	*E12D3	264
DG3304T	10	3251	97	NG4	4	*E34D3	329
CG3306T	10	3252	99	5KCR47RG8	4	*E10D3	374
CG3307T	10	3254	99	5KH3JBA0210U	88	4782	96
FG3312T	10	3271	104	KDA0211U	88	4784	104
EG3314T	10	3272	106				
EG3315T	10	3274	106				
KG3316T	10	3281	112				
JG3318T	10	3282	114				
JG3319T	10	3284	114				

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\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KH30PA0301T	61	4319	198	5KH32GN81X	68	H234	152
UHA0462T	76	4756	130	GN82X	68	H235	160
XPA0463T	76	4758	182	DN99Y	88	B16M1	126
UKA0465T	76	4776	118	DN111	72	H208	124
XQA0466T	76	4778	148	BN113	20	H106	98
UHA0503T	76	4750	138	BN114	20	H111	102
XPA0504T	76	4759	190	EN124	40	H244	148
WQA0613T	17	4338	182	GN140X	63	*H152	142
NDA0635T	75	4730	108	GN142	72	H204	146
SHA0636T	75	4731	126	LN164X	27	H127	278
WQA0637T	75	4732	162				
NDA0638T	75	4740	104	5KH33FN6	20	H239	118
SKA0639T	75	4741	116	FN11	63	H160	122
WMA0640T	75	4742	140	FN11X	63	H161	128
KAA0659T	52	*4722	100	FN15T	76	A14D1	128
KDA0688U	88	4786	124	KN19	70,74	H134	122
SHA0727T	75	4738	134	KN19S	70,74	H135	128
WQA0728T	75	4739	170	KN20S	70	H277	136
UMA0801	17	*4421	138	KN39	24	H273	174
WQA0802	17	*4422	176	FN76Y	88	B14N1	141
SKA0869	70	H199	108	FN77	72	H212	132
UMA0870	70	H200	126	FN77X	72	H213	138
XLA1056X	67	*H306	194	FN85	24	H123	144
XLA1057X	75	*H305	190	FN85X	24	H124	150
5KH19HG214	91	H283	131	5KH35JN8	20	H240	136
KG216	91	*H284	135	HN9	17	H229	124
FGR300	91	H103	147	JN25	63	H164	140
MGR302	91	H104	160	JN25X	63	H165	146
MGR303	91	*H289	168	JN26	63	H166	148
FGR312	91	*H100	145	JN26X	63	H167	154
FGR329	91	H101	186	JN30T	76	A13D1	146
KGR331	91	H102	196	MN54	68	*H184	166
				MN56	68	H185	180
5KH25MG102X	91	H105	328	MN56X	68	H236	186
				MN57X	68	*H246	194
5KH32DN15	20	*H238	110	NN111X	27	H126	314
CN16	17	H227	110	JN121	72	H217	150
EN17	17	H228	114	JN121X	72	H218	156
DN24	63	H156	114	FN123	20	H109	104
DN24X	63	H157	120	FN124	20,60	H114	108
CN28	63	H153	114	FN124X	20,60	H115	114
CN28X	63	H274	120	MN132	70	H197	168
GN37	70	H194	100	MN132S	70	H198	174
BN39	70	H192	114	KN141	71	H202	146
EN40	70	*H193	114	FN153T	76	A13D2	130
GN42	70	H195	114	KN155	68	H177	174
GN42S	70	*H196	120	PN202X	27	H129	286
GN54	24	H120	142	NN224X	73	*H301	406
GN54X	24	H121	148				
GN54Y	24	*H242	154	5KH36MN6	20	*H241	188
EN66	24	H116	134	LN7	17	H230	154
EN66X	24	*H117	140	MN17	63	*H286	192
GN68	24	H122	150	MN17X	63	H248	198
GN68X	24	*H243	156	MN22T	76	A12D1	198
EN72X	68	*H291	128	NN35	70	H201	134
GN74	68	H180	132	NN36	70,74	H138	140
EN79	68	H178	138	NN36S	70,74	H139	146
EN79X	68	*H292	144	NN37	70,74	H140	148
GN81	68	H181	146	NN37S	70,74	H141	154

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Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KH36PN105	24	H118	188	5KH43PG299	69	H191	292
PN105X	24	*H119	194	PG300	69	*H293	300
PN106	71	H203	154	PG326	70,74	H142	256
PN108	69	H189	192	MG336	70,74	H136	220
PN109	68	H233	192	MG336S	70,74	H137	226
PN110	68	H179	178				
KN112	72	H206	160	5KH45PG40	72	H222	272
KN112X	72	*H287	166	PG73	72	H226	274
KN113X	63	H154	156	PG73X	72	*H282	280
KN114	64	H169	146	PG75	72	H211	312
KN114X	64	H170	152	PG84	64	H175	268
MN137	72	*H290	198	PG84X	64	H176	274
				PG86	64	H275	276
5KH37RN15	68	H187	216	PG95	63	*H295	292
SN30X	27	H128	368	PG343X	61	H147	258
PN33	64	H171	168				
PN33X	64	H172	174	5KH47SG20	72	H224	330
PN36	72	H209	178	SG45	64	*H300	324
PN36X	72	H210	184	UG56X	73	*H304	584
PN37	72	H205	246	UG88	68	H188	356
PN37X	72	*H278	252				
PN38	20	H108	148	5KH48PG5	72	H219	262
PN39	20	H112	152	SG10	72	H216	382
PN39X	20	H113	158	SG10X	72	*H288	388
PN40	72	H223	174	PG45	63	H168	256
PN40X	72	*H279	180	SG51	63	*H296	376
PN41	63	H158	168	PG68	63	H150	242
PN41X	63	H159	174	PG68X	63	*H285	248
SN102X	73	*H302	436	PG84X	63	*H297	270
5KH38RN10X	60	H232	244	5KH49UG7	72	H220	400
SN15	70,74	H143	192	UG7X	72	H280	406
SN16	70	*H276	200	UG39X	63	*H298	338
SN16S	70	H247	208	UG45	72	H221	338
RN57X	20,63	H272	236	UG49X	63	*H299	346
RN68X	60	H231	236	UG63	63	H151	318
				UG130X	61	*H146	342
5KH39CN21Y	88	B17M1	118	MG207X	73	*H303	472
EN23X	27	H125	278				
				5KHC3UEA0517T	4	4790	134
5KH43MG26	72	H214	226	UHA0518T	4	4791	156
MG26X	72	H215	232	XGA0519T	4	4795	218
MG38	72	H225	218	XPA0535T	4	4797	283
MG38X	72	*H281	224	UHA0550T	4	4794	161
MG42	67	H130	196	SKA0789T	75	*4764	146
MG42S	67	H131	202	WGA0790T	75	*4765	182
MG58S	67	H133	210				
MG129	63	H162	220	5KHC37HN6	4	*E14D2	146
MG129X	63	H163	226	MN7	4	*E13D2	168
MG130	64	H173	212				
MG130X	64	H174	218	5KHC43MG5	4	*E12D2	230
MG152X	61	H144	202				
MG159	63	*H294	272	5KPM59FSK104T	81	6291	71
MG159X	63	H155	278	KSK105T	81	*6293	74
MG160	72	H207	278				
MG216	63	H149	206	5KS143AL1	5	*E15D2	346
MG283	68	H182	244	BS1	7	*E15S2	463
MG284	68	H183	252	BL4	6	*E15F2	374
PG285	68	H186	280	AL2Q1	5	*E10D2	314
MG297	69	H190	236	BS201	7	*E10S1	432

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Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KS143BL204	6	*E10F2	343	5KS286BL205	6	*E965	1824
AL301	5	*E34D6	377	SL208	7	*E906	2125
BS301	7	*E34S6	494				
BL304	6	*E34F6	406	5KS324AL205	5	*E936	1772
				BL205	6	*E966	2340
5KS145AL1	5	*E20D2	406	SL208	7	*E907	2823
BS1	7	*E20S2	523				
AL2	5	*E30D2	446	5KS326AL205	5	*E937	2066
BL7	6	*E20F2	434	BL205	6	*E967	2881
AL201	5	*E15D4	348	SL208	7	*E908	3467
BS201	7	*E15S1	466				
AL202	5	*E20D4	382	5KS364AL205	5	*E9381	2532
BS202	7	*E20S1	499	BL205	6	*E9681	4284
BL207	6	*E15F1	377	SL208	7	*E909	4974
BL208	6	*E20F1	410				
AL301	5	*E10D6	406	5KS365AL205	5	*E9391	3084
BS301	7	*E10S6	523	BL205	6	*E9691	5520
BL304	6	*E10F6	434	SL208	7	*E910	6305
5KS182AL1	5	*E50D2	509	5KS404AL205	5	*E9401	3933
BS1	7	*E30S2	682				
BL4	6	*E30F2	542	5KS405BL205	6	*E9701	6775
AL201	5	*E30D4	430	AL208	5	*E941	4709
BS201	7	*E30S1	641	SL208	7	*E911	7790
BL204	6	*E30F1	502				
AL301	5	*E15D6	434	5KS444AL208	5	*E942	6801
BS301	7	*E15S6	646	BL208	6	*E971	9531
BL304	6	*E15F6	506	SL208	7	*E912	10255
5KS184AL1	5	*E75D2	638	5KS445AL208	5	*E943	8592
BS1	7	*E50S2	720	BL208	6	*E972	11123
BL4	6	*E50F2	581	SL208	7	*E913	11922
AL201	5	*E50D4	478				
BS201	7	*E50S1	689	5KSM59AS1503T	81	*6231	47
BL204	6	*E50F1	550	GS1579T	81	6240	60
AL301	5	*E20D6	468	JS1603T	81	6242	64
BS301	7	*E20S6	679	LS1626T	81	6236	63
BL304	6	*E20F6	540				
				5KSP29KK1818T	80	2981	94
5KS213AL205	5	*E930	538	BK9001T	80	2904	99
BL205	6	*E960	647	DK9003T	80	2901	104
SL208	7	*E901	776	BK9010T	80	2906	93
				FK9016T	80	2915	99
5KS215AL205	5	*E931	650	KK9020T	80	2923	99
BL205	6	*E961	780	KK9021T	80	2924	101
SL208	7	*E902	935				
				5KSP39FG2662T	79	3541	120
5KS254AL205	5	*E932	864	FG2663T	79	3542	122
BL205	6	*E962	1042	MG2666T	79	3571	135
SL208	7	*E903	1232	MG2667T	79	3572	137
				DG2908T	79	3341	82
5KS256AL205	5	*E933	1055	DG2910T	79	3342	84
BL205	6	*E963	1268	FG2912T	79	3141	86
SL208	7	*E904	1535	FG2914T	79	3142	88
				FG2916T	79	3351	87
5KS284AL205	5	*E934	1226	FG2918T	79	3352	89
BL205	6	*E964	1542	HG2920T	79	3151	91
SL208	7	*E905	1828	HG2922T	79	3152	93
				KG2924T	79	3371	95
5KS286AL205	5	*E935	1425	KG2926T	79	3372	97

# CROSS REFERENCE

## MODEL NUMBER / STOCK NUMBER

\*Factory Warehouses ONLY. All other models are carried in factory and regional warehouses.

Model No.	Catalog Page	Stock No.	List Price	Model No.	Catalog Page	Stock No.	List Price
5KSP39MG2928T	79	3171	101	5XBG063	88	4787	144
MG2930T	79	3172	103	G114	52	4402	112
FG4144S	78	3051	87	G115	52	4366	96
DG4220S	78	3011	97	G121	52	*4367	112
FG4771S	78	3057	95				
KG4934T	79	3771	129	5XBH00C	17	4368	108
KG4935T	79	3772	131	H00D	17	4369	112
DG4936T	79	3531	117	H00H	20,60	4370	124
DG4937T	79	3532	119	H00R	17	4371	120
HG4938T	79	3551	125	H00V	17	4372	112
HG4939T	79	3552	127	H00W	17	*4373	116
DG6124T	79	3941	91	H001	17	4380	114
FG6125T	79	3961	96	H002	17,66	4310	118
MG6126T	79	3971	107	H003	17,66	4311	126
				H006	20,60	4308	130
5PY59JY1	97	D122	576	H01A	20	*4374	132
EY2	97	D120	208	H01U	17	*4376	114
JY2	97	D123	576	H01V	17	4377	116
EY3	97	D121	198	H016	17	4381	122
JY23	97	D124	576	H017	20,60	4309	138
JY24	97	D125	576	H02A	20	4378	120
				H024	20	*4382	126
5XBB022	88	4400	105	H027	17	*4307	122
				H029	60	4383	134
5XBF00A	17	4320	98	H048	20	*4384	134
F00R	17	4324	94				
F00C	20	4339	98	5XBJ019	52	4404	108
F00D	20	*4341	94				
F00E	20	4304	98	5XBK00D	17	4386	142
F00F	20	4342	94	K00G	17	4387	150
F00T	20	*4345	106	K00M	17	*4388	144
F000	20	4346	104	K003	17,66	4601	148
F003	17	4312	104	K006	17	4602	156
F004	20	4314	104				
F006	20	*4347	100	5XBL00B	20,60	4390	176
F007	17	*4348	100	L00S	67	*4322	124
F008	20	4349	100	L000	20,60	4392	182
F018	20	4321	112	L004	20	4393	190
F023	20	*4313	108				
F024	60	4350	104	5XBM007	61	*4389	136
F057	52	4720	123				
5XBG00A	17	4351	98	5XBN00B	67	4394	138
G00B	17	4352	102	N002	67	4395	144
G00D	17	4353	110				
G00F	20	4354	102	5XBY00V	67	4396	152
G00G	20,60	4355	106	Y011	67	4398	158
G000	17	*4361	104	Y012	61	4399	158
G001	17,66	4301	108	Y02E	67	*4397	156
G01B	20	*4356	110	Y026	61	4412	166
G01C	17	*4357	102				
G01D	60	4358	110				
G01E	17	4359	106				
G016	20	*4360	114				
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