

Elektrim[®]
Motors

BUILT TO PERFORM WHERE OTHERS FAIL

AC NEMA & METRIC IEC MOTORS FOR THOSE WHO KNOW BETTER



A History of Motor Excellence

For over 40 years, Elektrim Motors has designed and manufactured a full line of AC NEMA and Metric IEC motors for the US marketplace. Our enthusiasm for motors and commitment to exacting standards mean that Elektrim Motors are some of the finest, longest lasting and best performing motors in the industry.



Standard Product Line Features	Performance 20N Series	A-Line 31N Series	Severe Duty	Crusher Duty	IEC Motors	Brake Motor
Power	1-400 HP	1-250 HP	1-250 HP	250-600 HP	0.08-220 HP 0.06-160 kW	1-30 HP
Frame	143-447T	143-449T	143-447T	449T-588UZ	56-315M	143-286T
Voltage	208-230/460V, 460V	208-230/460V, 460V	208-230/460V, 460V	460V	230/460V	208-230/460V
Dual Rated	190/380V 50Hz	190/380V, 380V 50Hz	190/380V, 380V 50Hz	380V 50Hz at lower HP output	380/400V 50Hz	190/380V 50Hz
575V	Available	–	Available	–	Available	Available
Phase	3	3	3	3	3	3
Speed	3600-1800-1200	3600-1800-1200-900	3600-1800-1200	1800-1200	3600-1800-1200	3600-1800-1200
Design	B or A	B	B or A	C	N or H	B or A
Efficiency	NEMA Premium	NEMA Premium	NEMA Premium	–	IE1-IE2-IE3	NEMA Premium
Service Factor	up to 1.4	up to 1.25	up to 1.4	up to 1.20	up to 1.20	up to 1.4
Inverter Rated	10:1CT & 20:1VT	10:1CT & 20:1VT	10:1CT & 20:1VT	5:1CT & 10:1VT	5:1CT & 10:1VT	10:1CT & 20:1VT
IP Code	IP55	IP55	IP55	IP55	IP55	IP55
Bearing	Oversized Ball (DE & ODE)	Oversized Ball (DE)	Oversized Ball (DE & ODE)	Roller Bearing (DE)	Oversized Ball (DE & ODE)	Oversized Double Shielded Ball (DE & ODE)
Thermal Protection	PTC140 (≥ 320)	–	PTC140 (≥ 320)	–	PTC140 (≥ 200)	–
Electrical Impregnation	VPI	Double Dip & Bake	VPI	VPI	VPI	VPI
Frame Construction	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Aluminum (≤ 112) Cast Iron (≥ 132)	Cast Iron
Flanges	C-Flange D-Flange (≥ 320)	C-Flange D-Flange	C-Flange D-Flange (≥ 320)	–	B5 (D-Flange) B14 (C-Flange)	C-Flange
Stock Mounting	F1	F1	F1	F1	F3	F1
Vibration Level	below 0.08 in/sec		below 0.08 in/sec			below 0.08 in/sec
Classes / Divisions	–	Class I, Div II, Group ABCD, T3C	–	–	–	–
Enclosure	TEFC	TEFC	TEFC	TEFC	TEFC	TEFC
Certifications	CSA-US, DOE, CE, NEMA Premium	CSA-US, DOE, CE, UR, NEMA Premium	CSA-US, DOE, CE, NEMA Premium	CSA-US, CE	CE	CSA-US, DOE, CE, NEMA Premium
Warranty	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year



56C (1PH) Rolled Steel	56C (3PH) Rolled Steel	High Torque Single Phase	Stainless Steel (1PH)	Stainless Steel (3PH)	JM/JP	SAE Hydraulic Pump	Design D Oil Well Pump
0.33-3 HP	0.33-3 HP	3-10 HP	0.50-2 HP	0.50-30 HP	1-60 HP	15 HP	3-100 HP
56C / 56HC	56C / 56HC	182-215T	56C / 56HC	56C-286TC	143-364	215YZ	213-445T
115/230V	208-230/460V	208-230/460V	115/230V	208-230/460V	208-230/460V	208-230/460V	230/460/796V
–	380V 50Hz at lower HP output	–	–	–	190/380V 50Hz	–	–
–	–	–	–	–	Available	–	–
1	3	1	1	3	3	3	3
3600-1800	3600-1800	3600-1800	3600-1800	3600-1800	3600-1800	1800	1200
B	B	L	B	B	B or A	B	D
–	≥ 1 HP Premium Efficient	–	–	≥ 1 HP Premium Efficient	NEMA Premium	–	–
1.15	1.15	1.15	1.15	1.15	up to 1.4	1.15	1.15
–	3:1CT & 5:1VT	–	–	3:1CT & 5:1VT	20:1VT	–	–
IP55	IP55	IP55	IP55	IP55 or IP56	IP55	IP55	IP55
Ball	Ball	Oversized Ball	Ball & Front Locked	Ball & Front Locked	Oversized Ball (DE & ODE) & Front Locked	Ball	Oversized Ball (DE & ODE)
Available	–	–	–	–	–	–	PTC Thermistors
Dip & Bake	Dip & Bake	VPI	Dip & Bake	VPI (TC-Frame)	VPI	VPI	VPI
Rolled Steel	Rolled Steel	Rolled Steel	Stainless Steel	Stainless Steel	Cast Iron	Rolled Steel	Cast Iron
C-Flange	C-Flange	C-Flange	C-Flange	C-Flange	C-Flange	SAE A 2 Bolt Pump Face Mount	–
F1	F1	F1	F1	F1	F1	F3	F2
–	–	–	–	–	below 0.08 in/sec	–	–
–	–	–	–	–	–	–	–
TEFC	TEFC	TEFC	TEFC	TEFC TENV (Fractional)	TEFC (ODP Replace- ment Available)	TEFC	TEFC
UL*, CE	UL*, CE	UL	UL, CE	UL, CE (56C) CSA-US, CE (TC)	CSA-US, DOE, CE, NEMA Premium	UL	CSA-US, CE
1 Year	1 Year	1 Year	1 Year	1 Year	3 Year	1 Year	3 Year

* Older inventory may be CSA certified in lieu of UL.



Voltage Re-Rates

Possible Supply Voltages for stock NEMA and Metric IEC Motors

Elektrim 20, 40 and 60 series motors are dual rated for 60/50 Hz and can be re-rated, according to your application's needs, to a multitude of possible supply voltages and environmental requirements (high/low ambient temperature or high altitude, etc.).

Ordering Information: Motors are re-rated from stock models. All re-rate modifications should be priced using the motor list price and the \$109 re-rate list price, unless indicated otherwise. Re-rate modifications of standard stock products, including voltage, must be indicated on purchase order when ordering. Lead time for re-rates is (1) business day and is subject to availability of stock motors in the Schaumburg, Illinois Warehouse.



60 Hz
208V
230V
380V
400V
460V
480V
575V
600V
796V

50 Hz	
190V	415V
200V	420V
220V	440V
230V	500V
240V	525V
250V	660V
380V	690V
400V	720V

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Find Your Motor

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