

THREE PHASE ALL-IN-ONE 56HC AC MOTORS

HEAVY GAUGE ROLLED STEEL CONSTRUCTION

TEFC TOTALLY ENCLOSED FAN COOLED | ALL-IN-ONE FRAME 56HC

MaxMotion

Applications:

A versatile design allowing replacement of C-Face or rigid base TEFC motors, for use on gear reducers, pumps, fans, blowers, conveyors, and all agricultural equipment requiring a motor to meet demanding high starting torque applications in severe environmental conditions.



Features:

Design - NEMA Standard MG-1, design B, ambient temperature of 40°C, altitude 1000M, temperature rise B.

Agency Listings and Standard - NEMA MG1, IEEE, IEC, DOE registered, NRCAN, CSAUS and CSA Certified, CE and RoHS Compliant

Service Factor - 1.15

Electrical Supply - 3 phase, 230/460VAC, 575VAC @ 60 hz, 3 phase 190/380VAC @ 50 Hz rated to the next lower HP. (± 10% Voltage tolerance)

Windings - Highest quality Corona resistant, Inverter duty copper wire. VPI impregnated with additional dip and bake.

Efficiency - Integral HP models meet or exceed NEMA Premium efficiency levels.

Insulation - Class F insulation, with non-hygroscopic motor leads.

Bearings - Permanently Lubricated High quality Double Shielded Ball Bearings with oversized DE bearings. Lithium based grease operating temperature range – 25° through 175°C.

Enclosure Protection - IP55

Frame Construction - Rolled Steel with cast aluminum end shields.

Conduit Box - With ½ NPT knockouts positioned for wiring access every 90° with rubber gasket between box and motor frame.

Inverter Duty - Constant torque: 10/1 ratio, variable torque: 20/1 ratio

Nameplate - Stainless steel with etched details.

Drain Hole - Positioned in the stator frame at the lowest point, when motors are horizontally mounted.

Fan cover - Plastic fan & heavy duty plastic fan guard

Warranty - 1 year

100% CANADIAN OWNED



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HP	RPM	VOLTS	FRAME	CAT NO.	NOM EFF.	F.L. AMPS	WT (Lbs)	"C" DIMENSION (Inch)	BRAKE KITS	BRAKE VOLTAGE	FT.LBS
0.33	1800	230/460	56HC	MQR-134CW	72	1.4/.7	22	12.38	A301	230/460	3
	1800	575	56HC	MPR-134CW	72	0.56	22	12.38	A297	575	3
	1200	230/460	56HC	MQR-136CW	63	2.38/1.18	24	12.38	A301	230/460	3
	1200	575	56HC	MPR-136CW	63	0.94	24	12.38	A297	575	3
0.50	1800	230/460	56HC	MQR-124CW	74	1.90/.95	24	12.38	A301	230/460	3
	1800	575	56HC	MPR-124CW	74	0.76	24	12.38	A297	575	3
	1200	230/460	56HC	MQR-126CW	68	2.6/1.3	25	12.38	A302	230/460	6
	1200	575	56HC	MPR-126CW	68	1.04	25	12.38	A298	575	6
0.75	1800	230/460	56HC	MQR-344CW	77	2.72/1.36	25.3	12.38	A302	230/460	6
	1800	575	56HC	MPR-344CW	77	1.09	25.3	12.38	A298	575	6
	1200	230/460	56HC	MQR-346CW	74	3.4/1.7	34	12.38	A302	230/460	6
	1200	575	56HC	MPR-346CW	74	1.36	34	12.38	A298	575	6
1	1800	230/460	56HC	MQRP-104CW	85.5	3.08/1.54	27	12.38	A302	230/460	6
	1800	575	56HC	MPRP-104CW	85.5	1.23	27	12.38	A298	575	6
	1200	230/460	56HC	MQRP-106CW	82.5	3.92/1.97	28	12.38	A303	230/460	10
	1200	575	56HC	MPRP-106CW	82.5	1.57	28	12.38	A299	575	10
1.5	1800	230/460	56HC	MQRP-154CW	86.5	4.45/2.23	31	12.38	A303	230/460	10
	1800	575	56HC	MPRP-154CW	86.5	1.78	31	12.38	A299	575	10
2	1800	230/460	56HC	MQRP-204CW	86.5	5.75/2.88	37	13.95	A303	230/460	10
	1800	575	56HC	MPRP-204CW	86.5	2.3	37	13.95	A299	575	10
3	1800	230/460	56HC	MQRP-304CW	89.5	8/4	37	13.95	A303	230/460	10
	1800	575	56HC	MPRP-304CW	89.5	3.2	37	13.95	A299	575	10