

## 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

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HP	FL RPM	VOLTS	FRAME	CAT NO.	CONSTRUCTION	NOM EFF.	F.L. AMPS	CODE	WT (Lbs)	DE BRG	ODE BRG	"C" Dimension (Inch)
0.33	3481	230/460	56HC	MQR-132CH	Rolled Steel	67.6	1.31/0.66	L	21	6205	6203	10.7
	3470	575	56HC	MPR-132CH	Rolled Steel	62.8	0.57	L	21	6205	6203	10.7
	1744	230/460	56HC	MQR-134CH	Rolled Steel	66.1	1.63/0.82	L	22	6205	6203	10.7
	1750	575	56HC	MPR-134CH	Rolled Steel	69.2	0.58	L	22	6205	6203	10.7
0.50	3466	230/460	56HC	MQR-122CH	Rolled Steel	71.6	1.67/0.84	L	21	6205	6203	10.7
	3471	575	56HC	MPR-122CH	Rolled Steel	69.3	0.672	L	21	6205	6203	10.7
	1741	230/460	56HC	MQR-124CH	Rolled Steel	74.1	1.95/0.98	L	24	6205	6203	10.7
	1753	575	56HC	MPR-124CH	Rolled Steel	77.1	0.71	L	24	6203	6203	10.7
0.75	3469	230/460	56HC	MQR-342CH	Rolled Steel	80.3	2.08/1.04	L	22.5	6205	6203	10.7
	3474	575	56HC	MPR-342CH	Rolled Steel	76.2	0.86	L	22.5	6205	6203	10.7
	1738	230/460	56HC	MQR-344CH	Rolled Steel	80.7	2.34/1.18	L	25.3	6205	6203	10.7
	1744	575	56HC	MPR-344CH	Rolled Steel	80.5	0.91	L	25.3	6205	6203	10.7
1	3506	230/460	56HC	MQRP-102CH	Rolled Steel	82.7	2.75/1.38	L	25	6205	6203	10.7
	3510	575	56HC	MPRP-102CH	Rolled Steel	80.7	1.14	L	25	6205	6203	10.7
	1752	230/460	56HC	MQRP-104CH	Rolled Steel	86.5	2.82/1.41	L	27	6205	6203	10.7
	1756	575	56HC	MPRP-104CH	Rolled Steel	85.6	1.14	L	27	6205	6203	10.7
1.5	3492	230/460	56HC	MQRP-152CH	Rolled Steel	86.6	3.81/1.9	L	28	6205	6203	10.7
	3478	575	56HC	MPRP-152CH	Rolled Steel	85.1	1.61	L	28	6205	6203	10.7
	1752	230/460	56HC	MQRP-154CH	Rolled Steel	86.6	4.41/2.21	L	31	6205	6203	11.5
	1745	575	56HC	MPRP-154CH	Rolled Steel	86.7	1.65	L	31	6205	6203	11.5
2	3500	230/460	56HC	MQRP-202CH	Rolled Steel	85.5	5.05/2.53	L	32	6205	6203	11.5
	3502	575	56HC	MPRP-202CH	Rolled Steel	86	2.03	L	32	6205	6203	11.5
	1741	230/460	56HC	MQRP-204CH	Rolled Steel	87.1	5.43/2.74	L	37	6205	6203	12.5
	1752	575	56HC	MPRP-204CH	Rolled Steel	87.6	2.15	L	37	6205	6203	12.5
3	3513	230/460	56HC	MQRP-302CH	Rolled Steel	87.6	7.18/3.54	L	42	6205	6203	12.5
	3512	575	56HC	MPRP-302CH	Rolled Steel	87.6	3.05	L	42	6205	6203	12.5