



## 1HP to 15HP NEMA Premium Design B NEMA 12-12 TEFC Aluminum Construction

### Applications:

General purpose use on conveyors, compressors, pumps, fans, blowers and other industrial and process machinery working in wet and dirty environments. Max Motion premium high efficiency motors offer even more return on your investment when used in high cycling and long running time applications.

### Features:

- **Design** - NEMA standard MG-1, Design B Meets MG-1 Part 31
- **Construction** - Aluminum Construction, light weight.
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan.
- **Service Factor** - 1.25 SF
- **Electrical Supply** - At 60Hz: 575V and 208-230/416-480V dual rated for 50Hz: 190/380-415.
- **Windings** - Highest Quality Enamel coated Corona resistant inverter duty magnet wire. VPI with additional dip and bake.
- **Insulation** - Non hygroscopic Class F with Class B temperature rise.
- **Voltage and Frequency Variation** - +/- 10% Voltage (-5 @ 208V & 416V and +5% @ 480V and +/- frequency)
- **Bearings** - Double sealed.
- **Bearing lubricant** - Lithium grease -30 Deg C to 110 Deg C Ambient.
- **Enclosure Protection** - Totally Enclosed Fan Cooled meeting IEC standard Ip55.  
Factory Certified Division 2 Class I Groups A,B,C,D Class II Groups F,G. Meets Temp Code T2B.
- **Mounting** - Removable base, capable of F1, F2 and F3 orientation.
- **Conduit Box** - Oversized, diagonally split and can rotate 90 Deg steps. Lead separator gasketed to seal conduit box from frame and gasketed cover. Grounding terminal inside conduit box and threaded conduit entry.
- **Inverter Duty** - Suitable for Inverter application at 230V, 460V and 575V for speed ranges of 10:1 constant torque and 20:1 variable torque.
- **Nameplate** - Corrosion resistant stainless steel showing all data, connection diagrams and certifications.
- **Drain Plugs** - Located at the lowest point of each end bracket.
- **Warranty** - 30 months from installation or 36 months from shipment whichever is first.

# 1HP to 15HP NEMA Premium Design B NEMA 12-12 TEFC Aluminum Construction

## MaxMotion Premium Aluminum\*

HP	CATALOGUE NUMBER MPA = 575 MQA = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE				
1	1	3515	143T	3.5	1.75	15	1.40	12	0.77	M	33	6205	6205	12.6
	2	1745	143T	3	1.5	15	1.2	12	85.50	M	38	6205	6205	12.6
	3	1160	145T	3.6	1.8	15	1.44	12	82.50	M	43	6205	6205	12.6
1.5	6	3520	143T	4	2	20	1.6	16	84.00	M	40	6205	6205	13.6
	7	1750	145T	4.4	2.2	20	1.8	16	86.50	M	45	6025	6025	13.6
	8	1175	182T	4.8	2.4	20	1.9	16	87.50	M	82	6306	6306	16.1
2	11	3510	145T	5.3	2.65	25	2.05	20	85.50	L	43	6205	6205	13.6
	12	1745	145T	6.2	3.1	25	2.4	20	86.50	L	50	6205	6205	13.6
	13	1180	184T	2.95	2.85	25	2.4	20	88.50	L	91	6306	6306	17.1
3	16S	3485	145T	8	4	32	3.2	26	86.5	K	58	6308	6306	15.1
	16	3520	182T	7.4	3.7	32	3	26	86.50	K	77	6306	6306	17.1
	17	1760	182T	7.6	3.8	32	3	26	89.50	K	85	6306	6306	17.1
	18	1185	213T	8.4	4.2	32	3.4	26	89.50	K	122	6308	6308	18.9
5	21	3515	184T	11.6	5.8	46	4.6	37	88.50	J	98	6306	6306	17.1
	22	1755	184T	13.6	6.8	46	5.4	37	89.50	J	102	6306	6306	17.1
	23	1180	215T	14.2	7.1	46	5.68	37	89.50	J	148	6308	6308	20.4
7.5	26S	3505	184T	17.6	8.8	63	7	50	89.5	H	119	6208	6306	18.9
	26	3530	213T	17.6	8.8	63	7	50	89.50	H	132	6308	6308	18.9
	27	1750	213T	18.4	9.2	63	7.4	50	91.70	H	138	6308	6308	18.9
10	31	3525	215T	22.8	11.4	81	9.1	65	90.20	H	150	6308	6308	20.4
	32	1770	215T	24	12	81	9.6	65	91.70	H	158	6308	6308	20.4
15	36S	3545	215T	34.4	17.2	116	13.8	93	91	G	175	6309	6308	23.2

\*Other performance data is available upon request from MEP

Multiplier  
**MMP**  
Multiplicateur

