



MaxMotion

1/3HP to 20HP, Three Phase, Stainless Steel Motors

Applications:

A versatile motor design that can be base mounted or flange mounted to equipment operating in wet and severe conditions, and where wash down duty and corrosive elements are found such as in the food processing, bottling, dairy, pharmaceutical, and chemical processing industries.

Features:

- **Design** - IEC Design N with NEMA Design B torque Curves
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CE, NRCan
- **Electrical Supply** - 230V/460/3/60 & 190V380V/3/50, 575/3/60
- **Windings** - Inverter Duty magnet wire 10:1 CT and 20:1 VT
- **Bearings** - Double sealed with Lithium grease -30 Deg C to 180 Deg. C
- **Enclosure Protection** - Meet IEC standard IP66
- **Construction** - Paint free with all 304 stainless steel housing and shaft. Moisture proof sealant on all machined fits and a shielded Viton type double lip seal. Four condensation plugs on each end shield for mounting flexibility.
- **Name Plate** - Permanently etched to stainless steel housing
- **Warranty** -12 months from date of installation or 18 months from date of delivery, whichever is first

MaxMotion Series 1/3HP to 1HP, Frame 56C, Stainless Steel Motor Performance Data*

HP	CATALOGUE NUMBER MPS = 575 MQS = 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				
0.33	134	1725	56C	1.2	0.6	0.6	0.95	0.95	82.5	K	27	6205ZZ	6205ZZ	11.59
	134FC	1725	56C	1.2	0.6	0.6	0.95	0.95	82.5	K	28	6205ZZ	6205ZZ	11.59
0.5	122	3460	56C	1.13	0.65	0.65	1	1	77	K	28	6205ZZ	6205ZZ	11.59
	124	1725	56C	1.6	0.8	0.8	1.3	1.3	82.5	K	28	6205ZZ	6205ZZ	11.59
	124FC	1725	56C	1.6	0.8	0.8	1.3	1.3	82.5	K	29	6205ZZ	6205ZZ	11.59
	126	1155	56C	1.8	0.9	0.9	1.45	1.45	80	K	30	6205ZZ	6205ZZ	12.57
0.75	342	3460	56HC	2.2	1.1	1.1	1.8	1.8	80	K	34	6205ZZ	6205ZZ	12.57
	344	1725	56HC	2.2	1.1	1.1	1.8	1.8	82.5	K	31	6205ZZ	6205ZZ	12.57
	344FC	1725	56HC	2.2	1.1	1.1	1.8	1.8	82.5	K	33	6205ZZ	6205ZZ	12.57
	346	1155	56HC	3.7	1.85	1.85	3	3	79	K	34	6205ZZ	6205ZZ	12.68
1	102	3470	56HC	2.8	1.4	1.4	2.3	2.3	80	K	35	6205ZZ	6205ZZ	13.68
	104	1740	56HC	3	1.5	1.5	2.4	2.4	84	K	36	6205ZZ	6205ZZ	13.68
	104T	1740	143TC	3	1.5	1.5	1.2	1.2	84	K	36	6205ZZ	6205ZZ	13.68
	106T	1165	143TC	3.4	1.7	1.7	1.4	1.4	80	K	42	6205ZZ	6205ZZ	13.38

* Other performance data is available upon request from MEP



1/3HP to 20HP, Three Phase, Stainless Steel Motors

HP	CATALOGUE NUMBER MPS = 575 MQS = 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				
1.5	154	1740	56HC	4.4	2	2	1.8	1.8	84	K	42	6205ZZ	6205ZZ	13.68
	154T	1740	145TC	4.4	2	2	1.8	1.8	84	K	42	6205ZZ	6205ZZ	13.68
	156T	1170	182TC	4.6	2.3	2.3	1.8	1.8	85.5	L	79	6308ZZ	6306ZZ	16.4
2	204	1740	56HC	4.6	2.3	2.3	1.8	1.8	84	K	51	6205ZZ	6205ZZ	13.68
	204T	1740	145TC	5.6	2.8	2.8	2.2	2.2	84	K	51	6205ZZ	6205ZZ	13.68
	206T	1175	184TC	5.8	2.9	2.9	2.3	2.3	86.5	L	95	6308ZZ	6306ZZ	16.4
3	304T	1765	182TC	8	4	4	3.2	3.2	87.5	K	78	6308ZZ	6306ZZ	16.4
	306T	1175	213TC	8.4	4.2	4.2	3.4	3.4	87.5	K	160	6308ZZ	6208ZZ	21.5
5	504T	1765	184TC	12.6	6.3	6.3	5	5.0	87.5	J	99	6308ZZ	6306ZZ	16.4
	506T	1175	215TC	13.4	6.7	6.7	5.4	5.4	87.5	J	197	6308ZZ	6208ZZ	22.3
7.5	704T	1755	213TC	18	9	9	7.2	7.2	89.5	H	179	6308ZZ	6208ZZ	21.5
10	1004T	1760	215TC	24	12	12	9.6	9.6	89.5	H	210	6308ZZ	6208ZZ	22.3
15	1504T	1765	254TC	36	18	18	14.4	14.4	92.4	G	286	6309ZZ	6309ZZ	23.7
20	2004T	1765	256TC	48	24	24	19.2	19.2	93	G	352	6309ZZ	6309ZZ	25.3

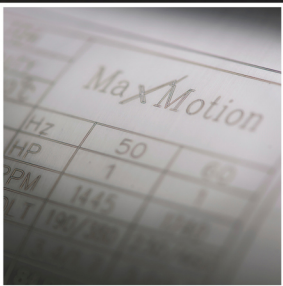
* Other performance data is available upon request from MEP

MaxMotion Series 1HP to 20HP Stainless Steel Premium Efficiency NEMA 12-12 Performance Data*

HP	CATALOGUE NUMBER MPSP = 575 MQSP = 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	104T	1740	143TC	3	1.5	1.5	1.2	1.2	84	K	36	6205ZZ	6205ZZ	13.68
	106T	1165	143TC	3.4	1.7	1.7	1.4	1.4	80	K	42	6205ZZ	6205ZZ	12.63
1.5	152T	3480	143TC	4	2	2	1.6	1.6	84	K	39	6205ZZ	6205ZZ	12.63
	154T	1740	145TC	4.4	2	2	1.8	1.8	84	K	42	6205ZZ	6205ZZ	12.63
	156T	1170	182TC	4.6	2.3	2.3	1.8	1.8	85.5	L	79	6308ZZ	6306ZZ	16.4
2	202T	3480	145TC	4.84	2.42	2.42	1.9	1.9	84	K	45	6205ZZ	6205ZZ	13.68
	204T	1740	145TC	5.6	2.8	2.8	2.2	2.2	84	K	51	6205ZZ	6205ZZ	13.68
	206T	1175	184TC	5.8	2.9	2.9	2.3	2.3	86.5	L	95	6308ZZ	6306ZZ	16.4
	302TS	3535	145TC	7.4	3.7	3.7	3	3.0	85.5	K	65	6205ZZ	6205ZZ	16.4
3	302T	3535	182TC	7.4	3.7	3.7	3	3.0	85.5	K	77	6308ZZ	6306ZZ	16.4
	304T	1765	184TC	8	4	4	3.2	3.2	87.5	K	78	6308ZZ	6306ZZ	16.4
	306T	1175	213TC	8.4	4.2	4.2	3.4	3.4	87.5	J	160	6308ZZ	6208ZZ	21.5
	502T	3525	184TC	11.6	5.8	5.8	4.6	4.6	87.5	J	95	6308ZZ	6306ZZ	16.4
5	504T	1765	184TC	12.6	6.3	6.3	5	5.0	87.5	J	99	6308ZZ	6306ZZ	16.4
	506T	1175	213TC	13.4	6.7	6.7	5.4	5.4	87.5	J	197	6308ZZ	6208ZZ	22.3
	702T	3520	213TC	17.6	8.8	8.8	7	7.0	88.5	H	151	6308ZZ	6208ZZ	21.5
7.5	704T	1755	215TC	18	9	9	7.2	7.2	89.5	H	179	6308ZZ	6208ZZ	21.5
	1002T	3525	215TC	22.4	11.2	11.2	9	9.0	89.5	H	166	6308ZZ	6208ZZ	22.3
10	1004T	1760	215TC	24	12	12	9.6	9.6	89.5	H	210	6308ZZ	6208ZZ	22.3
15	1504T	1765	254TC	36	18	18	14.4	14.4	92.4	G	286	6309ZZ	6309ZZ	23.7
20	2004T	1765	256TC	48	24	24	19.2	19.2	93	G	352	6309ZZ	6309ZZ	25.3

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NEW



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Our laser etched nameplate says it all. Here you will find everything from the wiring diagram to the 50/60 Hz performance values. Approvals include both CSAUS and CE. Operation at 208-230/460V is standard (575V also available).

Four condensate drains are located in both the drive end and non-drive end bells. These are conveniently located in the 12, 3, 6, and 9 o'clock positions. A 'T-Drain' is provided (in the 6 o'clock position) to help purge any condensate or water. *Mounting position must be specified to optimize performance.

A shielded Viton type double lip seal comes as our standard. A seal that is pre-lubricated with high temp grease completes the equation on the drive end. The drive shaft is manufactured using 304 grade stainless steel.

Our winding is treated with a double varnish process and is suitable for use on a VFD. Performance range provides 10:1 constant torque and 20:1 variable torque. Fully encapsulated windings can be offered for more extreme applications.

Each rotor comes with a unique anti-corrosion treatment that promotes life longevity. This is complemented with the use of sealed bearings and our drive end locking system. Silicone beaded end bells offer an additional layer of protection.

The round welded terminal box design offers two points of entry, for easy access to the terminals. All while eliminating points where contaminants can build up, and maintaining the motors IP66 rating.

Inside the terminal box you will find clearly marked leads. This is complemented with a large earthing terminal that is encapsulated for maximum protection.



MaxMotion

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