

MaxMotion

**Metric IE1 & IE3 Efficiency,
304 Grade Stainless Steel IP66**

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:

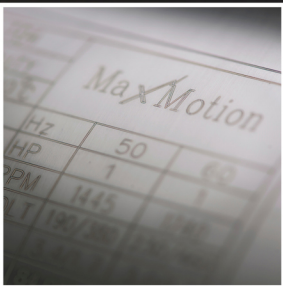
- **Design** - IEC Design N with NEMA Design B torque Curves
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CE, NRCan
- **Electrical Supply** - 230V/460/3/60 & 190V/380V/3/50, 575/3/60
- **Windings** - Inverter Duty magnet wire 10:1 CT and 20:1 VT
- **Bearings** - Double sealed with Lithium 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.
- **Mounting** - Rigid base, B14 and B5 flanges are available
- **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

IE1 EFFICIENT 0.25HP to 1.5HP

HP	RPM	FRAME	CATALOGUE NUMBER		WEIGHT LBS.	“C” DIMENSION
			208-230/460/60 - 190/380-415/3/50	575/3/60		
0.25	3600	63	MQS-6312	MPS-6312	17.6	9.51
	1800	63	MQS-6324	MPS-6324	17.6	9.51
	1200	71	MQS-7116	MPS-7116	20.09	9.83
0.33	3600	63	MQS-6322	MPS-6322	17.6	9.51
	1800	71	MQS-7114	MPS-7114	18.7	9.83
	1200	71	MQS-7126	MPS-7126	25.3	9.83
0.5	3600	71	MQS-7112	MPS-7112	25.3	9.83
	1800	71	MQS-7124	MPS-7124	23.1	9.83
	1200	80	MQS-8016	MPS-8016	38.5	11.99
0.75	3600	71	MQS-7122	MPS-7122	28.6	11
	1800	80	MQS-8014	MPS-8014	38.5	11.99
1	3600	80	MQS-8012	MPS-8012	34.1	10.81
	1800	80	MQS-8024	MPS-8024	44	12.77
1.5	3600	80	MQS-8022FC	MPS-8022FC	39.6	13.59

IE3 EFFICIENT 1.0HP to 10HP

1	1200	90	MQSP-90S6FC	MPSP-90S6FC	44	14.54
1.5	1800	90	MQSP-90S4FC	MPSP-90S4FC	48.4	13.56
	1200	90	MQSP-90L6FC	MPSP-90L6FC	57.2	16.31
2	3600	90	MQSP-90S2FC	MPSP-90S2FC	48.4	14.54
	1800	90	MQSP-90L4FC	MPSP-90L4FC	59.4	16.31
	1200	100	MQSP-100L6FC	MPSP-100L6FC	83.6	17.1
3	3600	90	MQSP-90L2FC	MPSP-90L2FC	64.9	16.31
	1800	100	MQSP-100L14FC	MPSP-100L14FC	74.8	17.1
	1200	112	MQSP-112M6FC	MPSP-112M6FC	111.1	19.26
4	3600	100	MQSP-100L2FC	MPSP-100L2FC	81.4	17.1
	1800	100	MQSP-100L24FC	MPSP-100L24FC	92.4	17.1
5.5	3600	112	MQSP-112M2FC	MPSP-112M2FC	99	18.47
	1800	112	MQSP-112M4FC	MPSP-112M4FC	111.1	19.26
7.5	3600	132	MQSP-132S12FC	MPSP-132S12FC	145.2	20.63
	1800	132	MQSP-132S4FC	MPSP-132S4FC	173.8	20.6
10	3600	132	MQSP-132S22FC	MPSP-132S22FC	171.6	22.2
	1800	132	MQSP-132M4FC	MPSP-132M4FC	200.2	22.2



NEW



NEW



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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