

MaxMotion

1 HP to 250HP NEMA Design C EPACT
Efficiency NEMA 12-11 Motors



Applications:

General purpose use on conveyors, compressors, pumps, fans, blowers and other industrial and process machinery working in wet and dirty environments. Max Motion Epact 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 C
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan.
- **Electrical Supply** - At 60Hz: 575V and 208-230/416-480V dual rated for 50Hz: 190/380-415, Frame 445T+ are only 460V or 575V.
- **Voltage and Frequency Variation** - +/- 10% voltage and +/- 5% frequency
- **Windings** - High quality copper magnet wire class F insulation system with class H VPI epoxy resin protection.
- **Bearings** - 143T to 215T are double sealed and grease filled, 254T and larger are regreasable with brass grease nipples and retaining bearing caps.
- **Bearing lubricant** - Frame 143T to 215T is lithium grease, -30 Deg C to 110 Deg C Amb. Frames 254T and larger are long life Mobil Polyrex EM, -29 Deg C to 177 Deg C.
- **Enclosure Protection** - Totally Enclosed Fan Cooled meeting IEC standard Ip55. Factory Certified for T2B Class 1 Div. II Group ABCD.
- **Conduit Box** - Oversize cast iron diagonally split and can be rotated in 90 Deg steps. Lead separator gasket 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 2:1 constant torque and 10:1 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.



MEP

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Oakville, Ontario L6H 6X5
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1-877-812-7788



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Max Motion Series NEMA EPACT Efficient Performance Data*

HP	CATALOGUE NUMBER PREFIX MPC FOR 575V, MQC FOR 230/460V	RPM at 60Hz	FRAME	SERVICE FACTOR	Data at 60Hz						NET WT. LBS	DE/ODE BRG	C DIA. IN INCHES
					FLA 230V/460V	460V L.R. AMPS	FLA 575V	575V L.R. AMPS	EFF.%	CODE			
1	2W	1740	143T	1.15	3.0/1.5	15	1.2	12	82.50	M	40	6205/6205	12.6
	3W	1140	145T	1.15	3.4/1.7	15	1.4	12	80.00	M	48	6205/6205	12.6
1.5	7W	1740	145T	1.15	4.4/2.2	20	1.8	16	84.00	M	48	6205/6205	13.6
	8W	1165	182T	1.15	4.6/2.3	20	1.8	16	85.50	M	85	6306/6306	16.1
2	12W	1740	145T	1.15	5.6/2.8	25	2.2	20	84.00	L	51	6205/6205	13.6
	13W	1165	184T	1.15	5.8/2.9	25	2.3	20	86.50	L	93	6306/6306	17.1
3	17W	1745	184T	1.15	8.0/4.0	32	3.2	25.6	87.50	K	89	6306/6306	17.1
	18W	1170	213T	1.15	8.4/4.2	32	3.4	25.6	87.50	K	136	6308/6308	18.9
5	22W	1745	184T	1.15	12.6/6.3	46	5.0	36.8	87.50	J	101	6306/6306	17.1
	23W	1170	215T	1.15	13.4/6.7	46	5.4	36.8	87.50	J	162	6308/6308	20.4
7.5	27W	1750	213T	1.15	18.0/9.0	63	7.2	50.4	89.50	H	136	6308/6308	18.9
	28W	1175	254T	1.15	19.6/9.8	63	7.8	50.4	89.50	H	249	6309/6309	25
10	32W	1750	215T	1.15	24.0/12.0	81	9.6	64.8	89.50	H	160	6308/6308	20.4
	33W	1170	256T	1.15	26.4/13.2	81	10.6	64.8	89.50	H	274	6309/6309	25
15	37W	1750	254T	1.15	36.0/18.0	116	14.4	92.8	91.00	G	270	6309/6309	25
	38W	1175	284T	1.15	37/18.5	116	14.8	92.8	90.20	G	350	6311/6311	28
20	42W	1750	256T	1.15	48.0/24.0	145	19.2	116	91.00	G	306	6309/6309	25
	43W	1175	286T	1.15	49/24.5	145	19.6	116	90.20	G	372	6311/6311	28.1
25	47W	1760	284T	1.15	57/28.5	182	22.8	146	92.40	G	372	6311/6311	28.1
	48W	1175	324T	1.15	59/29.5	182	23.6	146	91.70	G	508	6312/6312	31.3
30	52W	1760	286T	1.15	68.0/34.0	217	27.2	174	92.40	G	387	6311/6311	28.1
	53W	1180	326T	1.15	71/35.5	217	28.4	174	91.70	G	519	6312/6312	31.3
40	57W	1760	324T	1.15	90/45	290	36.0	232	93.00	G	521	6312/6312	31.3
	58W	1180	364T	1.15	93/46.5	290	37.2	232	93.00	G	697	6313/6313	33.5
50	62W	1765	326T	1.15	112/56	362	44.8	290	93.00	G	565	6312/6312	31.3
	63W	1180	365T	1.15	116/58	362	46.4	290	93.00	G	752	6313/6313	33.5
60	67W	1780	364T	1.15	134/67	435	53.6	348	93.60	G	730	6313/6313	33.5
	68W	1180	404T	1.15	138/69	435	55.2	348	93.60	G	950	NU318/6317	38.2
75	72W	1780	365T	1.15	166/83	542	66.4	434	94.10	G	774	6313/6313	33.5
	73W	1180	405T	1.15	170/85	542	68.0	434	93.60	G	1078	NU318/6317	38.2
100	77W	1780	405T	1.15	220/110	725	88.0	580	94.50	G	1063	6315/6314	38.2
	78W	1185	444T	1.15	226/113	725	90.4	580	94.10	G	1315	NU319/318	44.3
125	82W	1780	444T	1.15	137	907	109.6	726	94.50	G	1364	NU319/6318	44.3
	83W	1185	445T	1.15	140	907	112.0	726	94.10	G	1443	NU319/6318	47.8
150	87W	1780	445T	1.15	164	1085	131.2	868	95.00	G	1694	NU319/6318	47.8
	88W	1185	447T	1.15	165	1085	132.0	868	95.00	G	1678	NU319/6318	47.8
200	97W	1780	447T	1.15	216	1450	172.8	1160	95.00	G	1782	NU319/9318	47.8
	98W	1185	449T	1.15	220	1450	176.0	1160	95.00	G	2024	NU319/6318	52.8
250	102W	1780	449T	1.15	270	1825	216.0	1460	95	G	2120	NU319/6318	52.8



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*Other performance data is available upon request from MEP

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