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MaxMotion

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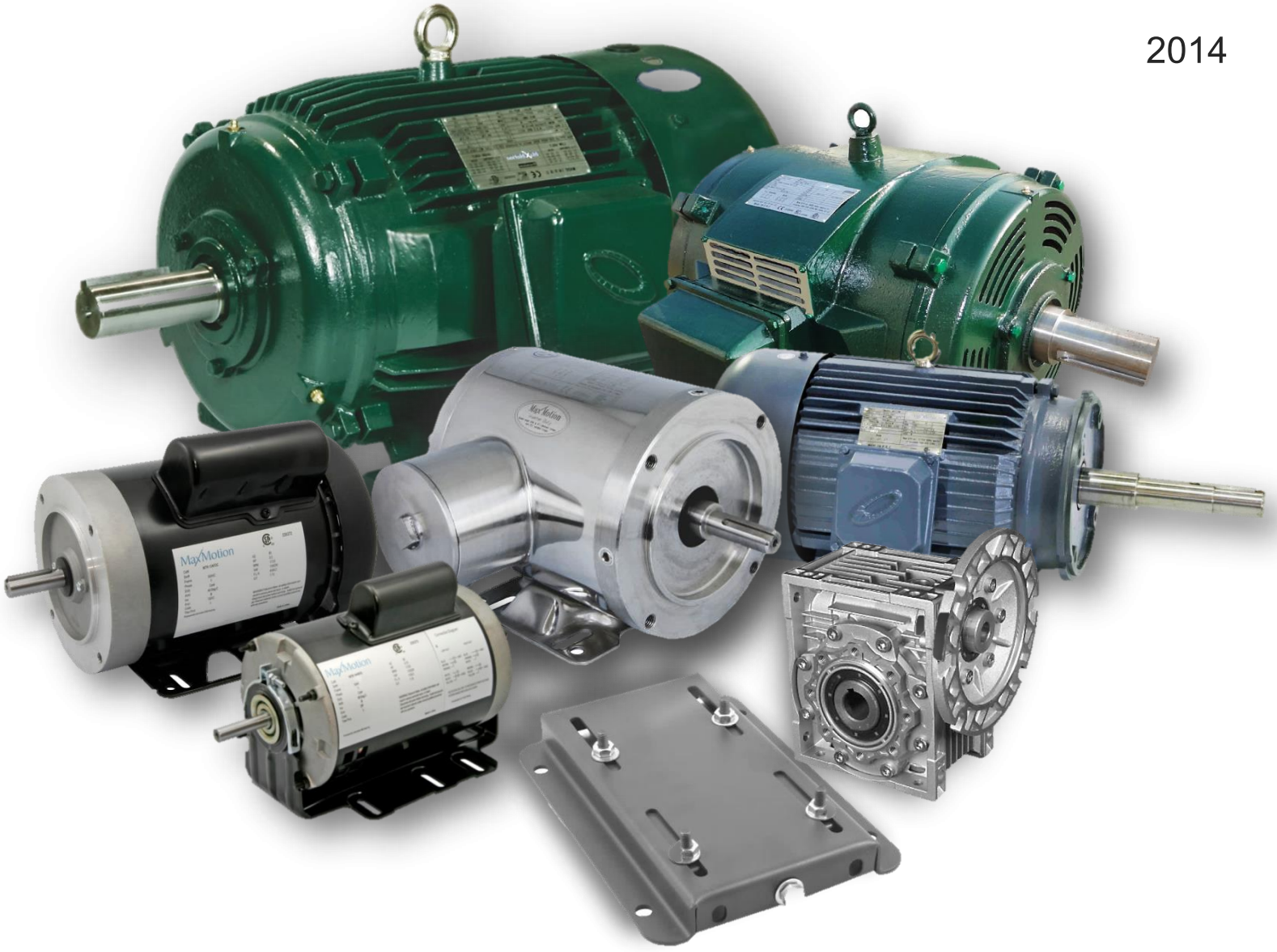

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MEP INC.
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Anjou, QC Canada
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High value line of AC and DC motors , 1/4 HP to 300HP. NEMA design in all 3 phase and single phase voltages.

Leading Brand of AC NEMA and metric motors, fractional to 3000HP for most commercial and industrial application needs.

Full Line of variable frequency drives, fractional to 475HP.

AC variable frequency drives, servo drives and motors, speed reducers and gearmotors, clutches and brakes.

DC, SCR controls in Chassis to NEMA 4X enclosures, single phase 1/8 HP to 2 HP.

AC and DC variable speed drives 1HP to 2000HP for precision drive applications.

Shaft grounding rings for motor bearing protection against damaging induced electrical currents.

Direct acting spring-set brakes from 1.5 lbs. ft. to 25 lbs. ft. , NEMA 2 to NEMA 4X IP 56 enclosures.

Soft starters, low voltage and medium Voltage 220V to 15,000V, 8A to 3000A. Electronic brakes, 3HP to 350HP.

Medium Voltage AC motors up to 20,000 HP and large parallel speed reducers up to 3,500,000 inch lbs. torque.

MaxMotion

	**T FRAME CAST IRON TEFC** • 1.0 HP to 300 HP • Premium NEMA 12-12 & Epact Design C NEMA 12-11
	**T FRAME CAST IRON TEFC** • 1.0 HP to 300 HP • Premium NEMA 12-12 and Epact Design C NEMA 12-11
	**CLOSED COUPLED JM & JP CAST IRON** • 1HP to 50HP • Premium NEMA 12-12 & Epact Design C NEMA 12-11
	**ROLLED STEEL TEFC & ODP** • 1HP to 20HP • Premium NEMA 12-12 & Epact Design C NEMA 12-11
	**STAINLESS STEEL** • 1/3HP to 20HP • Premium NEMA 12-12 & Epact Design C NEMA 12-11
	**FRAME 56, 56C, & FARM DUTY** • 1/3HP to 2HP • ODP and TEFC • 3 phase and (single phase to 10 HP)
	**HVAC** • Resilient Base, Belted Fan Split Phase, & Capacitor Start • Direct Drive PSC, Torsion Flex Mount
	**PERMANET MAGNET DC MOTORS** • SCR rated 90VDC & 180VDC, 1/4HP to 3HP • Battery Operated, 12VDC, 24VDC, & 36VDC 1/4HP to 1HP
	**ADJUSTABLE MOTOR BASES** • Single and Double Adjustment. • Frames 56 to 449T. • Transition Motor Bases
	**RIGHT ANGLE SPEED REDUCERS** • NEMA C Face Input • Hollow Shaft and Solid Shaft Output • 5:1 to 100:1 Gear Ratios

Max Motion

1HP to 300HP NEMA Premium Efficiency 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 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 and MG-1 Part 31.
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan.
- **Service Factor** – 1.25 SF 1HP to 50HP, 1.15SF 60HP to 300HP.
- **Electrical Supply** - At 60Hz: 575V and 208-230/416-480V dual rated for 50Hz: 190/380-415, Frame 445T+ are only 460V or 575V.
- **Windings** - Highest quality Corona resistant inverter duty magnet copper 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 +/-5% frequency.
- **Bearings** - 143T to 215T are double sealed and grease filled, 254T to 449T are regreasable with brass grease nipples and retaining bearing caps. Frames 404T to 449T are with roller bearings with optional ball bearings at no charge.
- **Bearing lubricant** - Frame 143T to 215T is lithium grease , -30 Deg C to 110 Deg C Amb. Frames 254T to 449T 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 Division 2 Class I Groups A,B,C,D Class II Groups F,G. Meets Temp Code T2B.
- **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 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.

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MaxMotion

1HP to 300HP NEMA Premium Efficiency Motors

MaxMotion Series NEMA Premium Efficient Performance Data*

HP	CATALOGUE NUMBER MPP PREFIX FOR 575V, MQP 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	1	3500	143T	1.25	3.2/1.6	15	1.2	12	77.00	M	41	6205/6205	12.6
	2	1740	143T	1.25	3.0/1.5	15	1.2	12	85.50	M	47	6205/6205	12.6
	3	1140	145T	1.25	3.4/1.7	15	1.4	12	82.50	M	52	6205/6205	12.6
1.5	6	3500	143T	1.25	4.0/2.0	20	1.6	16	84.00	M	46	6205/6205	13.6
	7	1740	145T	1.25	4.4/2.2	20	1.8	16	86.50	M	55	6205/6205	13.6
	8	1165	182T	1.25	4.6/2.3	20	1.8	16	87.50	M	95	6306/6306	16.1
2	11	3500	145T	1.25	4.84/2.42	25	1.9	20	85.50	L	52	6205/6205	13.6
	12	1740	145T	1.25	5.6/2.8	25	2.2	20	86.50	L	56	6205/6205	13.6
	13	1165	184T	1.25	5.8/2.9	25	2.3	20	88.50	L	103	6306/6306	17.1
3	16	3510	184T	1.25	7.4/3.7	32	3.0	25.6	86.50	K	90	6306/6306	17.1
	17	1745	184T	1.25	8.0/4.0	32	3.2	25.6	89.50	K	97	6306/6306	17.1
	18	1170	213T	1.25	8.4/4.2	32	3.4	25.6	89.50	K	136	6308/6308	18.9
5	21	3515	184T	1.25	11.6/5.8	46	4.6	36.8	88.50	J	110	6306/6306	17.1
	22	1745	184T	1.25	12.6/6.3	46	5.0	36.8	89.50	J	112	6306/6306	17.1
	23	1170	215T	1.25	13.4/6.7	46	5.4	36.8	89.50	J	162	6308/6308	20.4
7.5	26	3525	213T	1.25	17.6/8.8	63	7.0	50.4	89.50	H	145	6308/6308	18.9
	27	1750	213T	1.25	18.0/9.0	63	7.2	50.4	91.70	H	150	6308/6308	18.9
	28	1175	254T	1.25	19.6/9.8	63	7.8	50.4	91.00	H	272	6309/6309	23.2
10	31	3525	215T	1.25	22.4/11.2	81	9.0	64.8	90.20	H	167	6308/6308	20.4
	32	1750	215T	1.25	24.0/12.0	81	9.6	64.8	91.70	H	167	6308/6308	20.4
	33	1170	256T	1.25	26.4/13.2	81	10.6	64.8	91.00	H	293	6309/6309	25
15	36	3515	254T	1.25	34.4/17.2	116	21.5	92.8	91.00	G	286	6309/6309	23.2
	37	1750	254T	1.25	36.0/18.0	116	14.4	92.8	92.40	G	297	6309/6309	23.2
	38	1175	284T	1.25	37/18.5	116	14.8	92.8	91.70	G	363	6311/6311	26.6
20	41	3530	256T	1.25	45/22.5	145	18.0	116	91.00	G	315	6309/6309	25
	42	1750	256T	1.25	48.0/24.0	145	19.2	116	93.00	G	315	6309/6309	25
	43	1175	286T	1.25	49/24.5	145	19.6	116	91.70	G	394	6311/6311	28.1
25	46	3530	284TS	1.25	56/28	182	22.4	145.6	91.70	G	385	6311/6311	25.2
	47	1760	284T	1.25	57/28.5	182	22.8	146	93.60	G	392	6311/6311	26.6
	48	1175	324T	1.25	59/29.5	182	23.6	146	93.00	G	508	6312/6312	29.8
30	51	3530	286TS	1.25	67.4/33.7	217	27.0	173.6	91.70	G	409	6311/6311	26.7
	52	1760	286T	1.25	68.0/34.0	217	27.2	174	93.60	G	418	6311/6311	28.1
	53	1180	326T	1.25	71/35.5	217	28.4	174	93.00	G	537	6312/6312	31.3
40	56	3540	324TS	1.25	89/44.5	290	35.6	232	92.40	G	510	6312/6312	28.3
	57	1760	324T	1.25	90/45	290	36.0	232	94.10	G	519	6312/6312	29.8
	58	1180	364T	1.25	93/46.5	290	37.2	232	94.10	G	697	6313/6313	32.5
50	61	3545	326TS	1.25	110/55	362	44.0	289.6	93.00	G	548	6312/6312	29.8
	62	1765	326T	1.25	112/56	362	44.8	290	94.50	G	594	6312/6312	31.3
	63	1180	365T	1.25	116/58	362	46.4	290	94.10	G	752	6313/6313	33.5
60	66	3560	364TS	1.15	132/66	435	52.8	348	93.60	G	704	6313/6313	30.4
	67	1780	364T	1.15	134/67	435	53.6	348	95.00	G	766	6313/6313	32.5
	68	1180	404T	1.15	138/69	435	55.2	348	94.50	G	1000	NU318/6317	36.7
75	71	3560	365TS	1.15	165/82.5	542	66.0	433.6	93.60	G	766	6313/6313	31.4
	72	1780	365T	1.15	166/83	542	66.4	434	95.40	G	783	6313/6313	33.5
	73	1180	405T	1.15	170/85	542	68.0	434	94.50	G	1120	NU318/6317	38.2
100	76	3560	405TS	1.15	218/109	725	87.2	580	94.10	G	1040	6314/6314	35.2
	77	1780	405T	1.15	220/110	725	88.0	580	95.40	G	1058	6315/6314	38.2
	78	1185	444T	1.15	226/113	725	90.4	580	95.00	G	1320	NU319/318	44.3
125	81	3565	444TS	1.15	135	907	108.0	725.6	95.00	G	1247	6314/6314	40.6
	82	1780	444T	1.15	137	907	109.6	726	95.40	G	1342	NU319/6318	44.3
	83	1185	445T	1.15	140	907	112.0	726	95.00	G	1400	NU319/6318	44.3
150	86	3570	445TS	1.15	162	1085	129.6	868	95.00	G	1408	6314/6314	40.6
	87	1780	445T	1.15	164	1085	131.2	868	95.80	G	1672	NU319/6318	44.3
	88	1185	447T	1.15	165	1085	132.0	868	95.80	G	1800	NU319/6318	47.8
200	96	3570	447TS	1.15	213	1450	170.4	1160	95.40	G	1584	6314/6314	44.1
	97	1780	447T	1.15	216	1450	172.8	1160	96.20	G	1782	NU319/9318	47.8
	98	1185	449T	1.15	220	1450	176.0	1160	95.80	G	2100	NU319/6318	52.8
250	101	3570	449TS	1.15	266	1825	212.8	1460	95.80	G	1870	6314/6314	49.1
	102	1780	449T	1.15	270	1825	216.0	1460	96.20	G	2150	NU319/6318	52.8
300	106	3570	449TS	1.15	320	2200	256.0	1760	95.80	G	2002	6314/6314	49.1
	107	1780	449T	1.15	325	2200	260.0	1760	96.20	G	2220	NU319/6318	52.8

*Other performance data is available upon request from MEP

Max Motion

1HP 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 Division 2 Class I Groups A,B,C,D Class II Groups F,G. Meets Temp Code T2B.
- **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.

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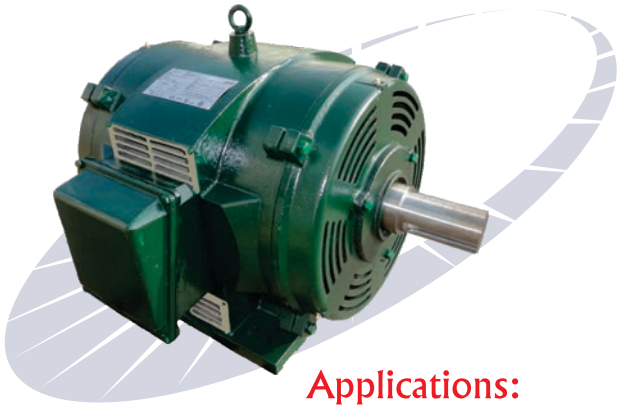
Max Motion

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

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

*Other performance data is available upon request from MEP



MaxMotion

1HP to 350HP

Premium ODP motors

Applications:

For general purpose use on compressors, pumps, conveyors, fans, blowers, and other machinery in environments that are relatively clean & dry.

Features:

Design - NEMA standard MG-1 design B ET MG-1 PART 31

Agency listings and standard - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan

Service Factor - 1.25

Electrical Supply - At 60Hz:575V and 208-230/416-480V dual rated for 50Hz:190/380-415, Frame 445T+ are only 460 V or 575V

Windings - Highest quality Corona resistant inverter duty magnet copper wire. VPI with additional dip & bake.

Insulation - Non hygroscopic class F with class B temperature rise

Voltage and frequency variation +/- 10% voltage (-5% at 208V &416V, and +5% at 480V)

Bearings - 143T to 215T are shielded bearings, 254T to 449T are regreasable with brass grease nipples and retaining bearing caps. Frame 404T to 449T are with roller bearings with optional ball bearing at no charge.

Bearing lubricant - Frame 143T to 215T is lithium grease , -30 Deg C to 100 Deg C amb. Frame 254T+ are long life mobil Polyrex EM, -29 Deg C to 177 Deg C

Enclosure Protection - Open Dripproof, IP Class 23, 143T to 215T frame are rolled steel construction, 254T and higher are cast iron frame. Factory Certified Division 2 Class I Groups A,B,C,D Class II Groups F,G. Meets Temp Code T2B.

Conduit Box - Oversize cast iron, diagonally split. 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 applivation 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.

MEP

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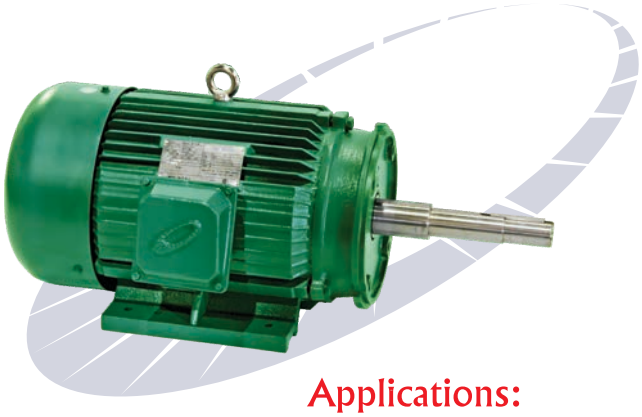
3-2014

MaxMotion

1HP to 350HP Premium ODP motors

HP	Catalogue Number MPOP Prefix for 575V, MQOP for 230/460V	RPM at 60Hz	Frame	S.F.	Insl. Class	Construction	Data at 60Hz				NET WEIGHT LBS	DE / ODE BRG
							FLA 230/460	FLA 575V	EFF.	CODE		
1HP	2	1800	143T	1.25	F	Rolled steel	3.2/1.6	1,3	85,5%	M	42	6205/6205
	3	1200	145T	1.25	F	Rolled steel	3.4/1.7	1,4	82,5%	M	45	6205/6205
1.5HP	6	3600	143T	1.25	F	Rolled steel	4.0/2.0	1,6	84,0%	M	44	6205/6205
	7	1800	145T	1.25	F	Rolled steel	4.6/2.3	1,9	86,5%	M	46	6205/6205
	8	1200	182T	1.25	F	Rolled steel	4.8/2.4	1,9	86,5%	M	83	6206/6206
2HP	11	3600	145T	1.25	F	Rolled steel	5.2/2.6	2,1	85,5%	L	45	6205/6205
	12	1800	145T	1.25	F	Rolled steel	6.0/3.0	2,4	86,5%	L	47	6205/6205
	13	1200	184T	1.25	F	Rolled steel	6.0/3.0	2,4	87,5%	L	91	6206/6206
3HP	16	3600	145T	1.25	F	Rolled steel	7.4/3.7	3	85,5%	K	56	6205/6205
	17	1800	182T	1.25	F	Rolled steel	8.2/4.1	3,3	89,5%	K	85	6206/6206
	18	1200	213T	1.25	F	Rolled steel	8.6/4.3	3,4	88,5%	K	143	6208/6208
5HP	21	3600	182T	1.25	F	Rolled steel	12.4/6.2	5	86,5%	J	102	6206/6206
	22	1800	184T	1.25	F	Rolled steel	13.4/6.7	5,4	89,5%	J	92	6206/6206
	23	1200	215T	1.25	F	Rolled steel	14.0/7.0	5,6	89,5%	J	165	6208/6208
7.5HP	26	3600	184T	1.25	F	Rolled steel	17.6/8.8	7	88,5%	H	115	6206/6206
	27	1800	213T	1.25	F	Rolled steel	19.2/9.6	7,7	91,0%	H	153	6208/6208
	28	1200	254T	1.25	F	Cast Iron	20.8/10.4	8,3	90,2%	H	235	6309/6309
10HP	31	3600	213T	1.25	F	Rolled steel	25.6/12.8	10,2	89,5%	H	176	6208/6208
	32	1800	215T	1.25	F	Rolled steel	26/13	10,5	91,7%	H	172	6208/6208
	33	1200	256T	1.25	F	Cast Iron	27/13.5	10,8	91,7%	H	260	6309/6309
15HP	36	3600	215T	1.25	F	Rolled steel	38/19	15,5	90,2%	G	190	6206/6206
	37	1800	254T	1.25	F	Cast Iron	36/18	14,4	93,0%	G	270	6309/6309
	38	1200	284T	1.25	F	Cast Iron	40/20	16	91,7%	G	334	6311/6311
20HP	41	3600	254T	1.25	F	Cast Iron	46/23	18,5	91,0%	G	271	6309/6309
	42	1800	256T	1.25	F	Cast Iron	48.0/24.0	19,2	93,0%	G	297	6309/6309
	43	1200	286T	1.25	F	Cast Iron	52/26	21	92.40%	G	359	6311/6311
25HP	46	3600	256T	1.25	F	Cast Iron	57/28.5	23	91.70%	G	290	6311/6311
	47	1800	284T	1.25	F	Cast Iron	60/30	24	93.60%	G	378	6311/6311
	48	1200	324T	1.25	F	Cast Iron	64/32	26	93.00%	G	504	6312/6312
30HP	51	3600	284TS	1.25	F	Cast Iron	70/35	28	91.70%	G	392	6311/6311
	52	1800	286T	1.25	F	Cast Iron	70/35	28	94.10%	G	389	6311/6311
	53	1200	326T	1.25	F	Cast Iron	76/38	30.5	93.60%	G	526	6312/6312
40HP	56	3600	286TS	1.25	F	Cast Iron	90/45	36	92.40%	G	420	6312/6312
	57	1800	324T	1.25	F	Cast Iron	96/48	38.4	94.10%	G	505	6312/6312
	58	1200	364T	1.25	F	Cast Iron	100/50	40	94.10%	G	728	6313/6313
50HP	61	3600	324TS	1.25	F	Cast Iron	110/55	44	93.00%	G	554	6312/6312
	62	1800	326T	1.25	F	Cast Iron	118/59	48	94.50%	G	572	6312/6312
	63	1200	365T	1.25	F	Cast Iron	126/63	50	94.10%	G	739	6313/6313
60HP	66	3600	326TS	1.25	F	Cast Iron	132/66	52.8	93.60%	G	580	6313/6313
	67	1800	364T	1.25	F	Cast Iron	140/70	56	95.00%	G	816	6313/6313
	68	1200	405T	1.25	F	Cast Iron	140/70	56	94.50%	G	968	NU318/6314
75HP	71	3600	364TS	1.25	F	Cast Iron	166/83	67	93.60%	G	807	6313/6313
	72	1800	365T	1.25	F	Cast Iron	174/87	70	95.00%	G	856	6313/6313
	73	1200	405T	1.25	F	Cast Iron	174/87	70	94.50%	G	1093	NU318/6314
100HP	76	3600	365TS	1.25	F	Cast Iron	222/112	90	93.60%	G	850	6314/6314
	77	1800	404T	1.25	F	Cast Iron	224/112	90	95.40%	G	1122	6318/6314
	78	1200	444T	1.25	F	Cast Iron	234/117	94	95.00%	G	1366	NU318/6318
125HP	81	3600	404TS	1.25	F	Cast Iron	138	110	94.10%	G	1120	6314/6314
	82	1800	405T	1.25	F	Cast Iron	141	113	95.40%	G	1364	6318/6314
	83	1200	445T	1.25	F	Cast Iron	146	118	95.00%	G	1569	NU318/6318
150HP	86	3600	405TS	1.25	F	Cast Iron	166	132	94.10%	G	1170	6314/6314
	87	1800	444T	1.25	F	Cast Iron	167	134	95.80%	G	1670	NU6318/6318
	88	1200	447T	1.25	F	Cast Iron	173	138	95.40%	G	1837	NU318/6318
200HP	96	3600	444TS	1.25	F	Cast Iron	219	175	95.00%	G	1487	6314/6314
	97	1800	445T	1.25	F	Cast Iron	220	176	95.80%	G	1804	NU318/6318
	98	1200	449T	1.25	F	Cast Iron	230	185	95.40%	G	2145	NU318/6318
250HP	101	3600	445TS	1.25	F	Cast Iron	270	216	95.00%	G	1662	6314/6314
	102	1800	447T	1.25	F	Cast Iron	280	224	95.80%	G	2064	NU318/6318
300HP	105	3600	447TS	1.25	F	Cast Iron	322	258	95.40%	G	1980	6314/6314
	106	1800	449T	1.25	F	Cast Iron	335	260	95.80%	G	2196	NU318/6318
350HP	108	3600	449T	1.25	F	Cast Iron					-	

***Other performance data is available upon request from MEP**



MaxMotion

1HP to 50HP JM & JP Premium Efficiency, NEMA 12-12 Closed Coupled Pump Motors.

Applications:

Close coupled pumps when the pump impeller is required to be mounted directly on the motor shaft in damp and dirty environments, and operating directly across the line or from a variable frequency inverter.

Features:

- **Design** - NEMA Standard MG-1 Design B and MG-1 Part 31.
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan.
- **Service Factor** – 1.25 SF 1HP to 50HP.
- **Electrical Supply** - At 60Hz: 575V and 208-230/416-480V dual rated for 50Hz: 190/380-415, Frame 445T+ are only 460V or 575V.
- **Windings** - Highest quality Corona resistant inverter duty magnet copper 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 +/-5% frequency.
- **Bearings** - 143T to 215T are double sealed and grease filled, 254T to 449T are regreasable with brass grease nipples and retaining bearing caps. Frames 404T to 449T are with roller bearings with optional ball bearings at no charge.
- **Bearing lubricant** - Frame 143T to 215T is lithium grease , -30 Deg C to 110 Deg C Amb. Frames 254T to 449T are long life Mobil Polyrex EM , -29 Deg C to 177 Deg C.
- **Enclosure Protection** - Totally Enclosed Fan Cooled meeting IEC standard Ip54. Factory Certified Division 2 Class I Groups A,B,C,D Class II Groups F,G. Meets Temp Code T2B.
- **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 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.

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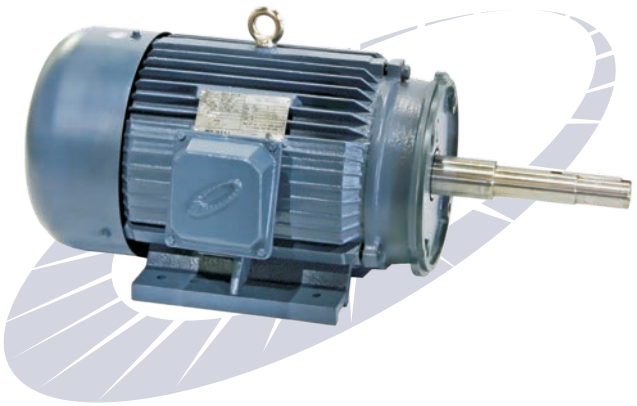
MaxMotion

1HP to 50HP JM & JP Premium Efficiency,
NEMA 12-12 Closed Coupled Pump Motors.

MaxMotion NEMA Close Coupled Premium Efficiency, NEMA 12-12 Performance Data*

HP	CAT. # 208-230/415-480v	CAT. # 575V	RPM	FRAME	SERVICE FACTOR	Data at 60Hz						NET WT. LBS	DE/ODE BRGDE/ODE BRG	C DIA. IN INCHES
						FLA 230V/460VFLA 230V/460V	460V L.R. AMPS	FLA 575V	575V L.R AMPS	EFF. % EFF.	CODE			
1	JMQP-2	JMPP-2	1745	143JM	1.25	3.0/1.5	15	1.2	12	85.5	M	47	6205/6205	12.6
1.5	JMQP-7	JMPP-7	1750	145JM	1.25	4.4/2.2	20	1.8	16	86.5	M	55	6205/6205	13.6
2	JMQP-11	JMPP-11	3510	145JM	1.25	5.3/2.65	25	2.05	20	85.5	L	52	6205/6205	13.6
	JMQP-12	JMPP-12	1745	145JM	1.25	6.2/3.1	25	2.4	20	86.5	L	56	6205/6205	13.6
	JPQP-12	JPPP-12	1745	145JP	1.25	6.2/3.1	25	2.4	20	86.5	L	56	6205/6205	13.6
3	JMQP-16S	JMPP-16S	3520	145JM	1.25	7.6/3.8	32	3.0	26	86.5	K	90	6306/6306	15.1
	JMQP-16	JMPP-16	3520	182JM	1.25	7.6/3.8	32	3.0	26	86.5	K	90	6306/6306	15.1
	JMQP-17	JMPP-17	1760	182JM	1.25	7.6/3.8	32	3.0	26	89.5	K	97	6306/6306	15.1
	JPQ9-17	JPPP-17	1760	182JP	1.25	7.6/3.8	32	3.0	26	89.5	K	97	6306/6306	15.1
5	JMQP-21	JMPP-21	3515	184JM	1.25	11.6/5.8	46	4.6	37	88.5	J	110	6306/6306	16.1
	JMQP-22	JMPP-22	1755	184JM	1.25	13.6/6.3	46	5.4	37	89.5	J	112	6306/6306	16.1
	JPQP-22	JPPP-22	1755	184JP	1.25	13.6/6.3	46	5.4	37	89.5	J	112	6306/6306	16.1
7.5	JMQP-26S	JMPP-26S	3530	184JM	1.25	17.6/8.8	63	7.0	50	89.5	H	145	6308/6308	18.9
	JMQP-26	JMPP-26	3530	213JM	1.25	17.6/8.8	63	7.0	50	89.5	H	145	6308/6308	18.9
	JMQP-27	JMPP-27	1770	213JM	1.25	18.4/9.2	63	7.4	50	91.7	H	150	6308/6308	18.9
	JPQP-27	JPPP-27	1770	213JP	1.25	18.4/9.2	63	7.4	50	91.7	H	150	6308/6308	18.9
10	JMQP-31	JMPP-31	3525	215JM	1.25	22.8/11.4	81	9.1	65	90.2	H	167	6308/6308	20.4
	JPQP-31	JPPP-31	3525	215JP	1.25	22.8/11.4	81	9.1	65	90.2	H	167	6308/6308	20.4
	JMQP-32	JMPP-32	1770	215JM	1.25	24.0/12.0	81	9.6	65	91.7	H	167	6308/6308	20.4
	JPQP-32	JPPP-32	1770	215JP	1.25	24.0/12.0	81	9.6	65	91.7	H	167	6308/6308	20.4
15	JMQP-36S	JMPP-36S	3545	215JM	1.25	34.4/17.2	116	13.8	93	91	G	286	6309/6309	23.2
	JMQP-36	JMPP-36	3545	254JM	1.25	34.4/17.2	116	13.8	93	91	G	286	6309/6309	23.2
	JPQP-36S	JPPP-36S	3545	215JP	1.25	34.4/17.2	116	13.8	93	91	G	286	6309/6309	23.2
	JPQP-36	JPPP-36	3545	254JP	1.25	34.4/17.2	116	13.8	93	91	G	286	6309/6309	23.2
	JMQP-37	JMPP-37	1770	254JM	1.25	36.4/18.2	116	14.6	93	92.4	G	297	6309/6309	23.2
20	JMQP-41	JMPP-41	3540	256JM	1.25	46.0/23.0	145	18.4	116	91	G	315	6309/6309	25
	JMQP-42	JMPP-42	1760	256JM	1.25	48.4/24.2	145	19.1	116	93	G	315	6309/6309	25
25	JMQP-46S	JMPP-46S	3540	256JM	1.25	57.0/28.5	182	22.8	146	91.7	G	385	6311/6311	25.2
	JMQP-46	JMPP-46	3540	284JM	1.25	57.0/28.5	182	22.8	146	91.7	G	385	6311/6311	25.2
	JMQP-47	JMPP-47	1775	284JM	1.25	60/30	182	24.0	146	93.6	G	392	6311/6311	26.6
30	JMQP-51	JMPP-51	3530	286JM	1.25	69.0/34.5	217	27.6	174	91.7	G	409	6311/6311	26.7
	JMQP-52	JMPP-52	1775	286JM	1.25	70.6/35.3	217	28.2	174	93.6	G	418	6311/6311	28.1
40	JMQP-56S	JMPP-56S	3545	286JM	1.25	91.0/45.5	290	36.4	232	92.4	G	510	6312/6312	28.3
	JMQP-56	JMPP-56	3545	324JM	1.25	91.0/45.5	290	36.4	232	92.4	G	510	6312/6312	28.3
	JMQP-57	JMPP-57	1780	324JM	1.25	93.2/46.6	290	37.3	232	94.1	G	519	6312/6312	29.8
50	JMQP-61	JMPP-61	3545	326JM	1.25	116.2/58.1	362	46.4	290	93	G	548	6312/6312	29.8

***Other performance data is available upon request from MEP**



MaxMotion

1HP to 50HP JM & JP Close Coupled High Efficiency NEMA 12-11 Motors

Applications:

Close–coupled pumps when the pump impeller is required to be mounted directly on the motor shaft in damp and dirty environments, and operating directly across the line or from a variable frequency inverter.

Features:

- **Design** - NEMA Standard MG-1 Design B
- **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.
- **Voltage and Frequency Variation** - +/-10% voltage variation and +/-5% frequency variation
- **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 180 Deg C Amb. Frames 254T and larger are long life Mobil Polyrex EM, -29 Deg C to 177 Deg C.
- **Enclosure Protection** - 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.
- **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.

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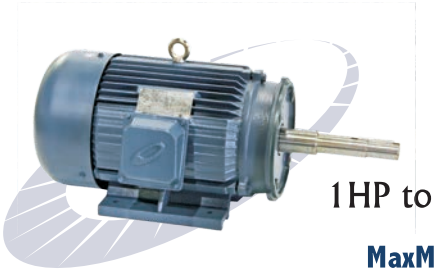


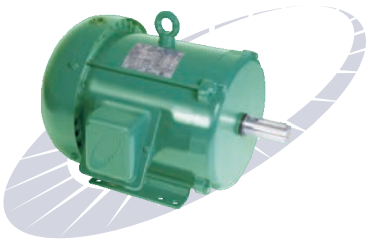
MaxMotion

1HP to 50HP JM & JP Close Coupled High Efficiency NEMA 12-11 Motors

MaxMotion Series NEMA Close Coupled High Efficiency Performance Data*

HP	CAT. # 208-230/415-480v	CAT. # 575V	RPM	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	JMQ-2	JMP-2	1740	143JM	1.15	3.0/1.5	15	1.2	12	82.5	M	43	6206/6205	15.2
1.5	JMQ-7	JMP-7	1740	145JM	1.15	4.4/2.2	20	1.8	16	84	M	51	6206/6205	16.2
2	JMQ-11	JMP-11	3500	145JM	1.15	4.8/2.4	25	1.9	20	84	L	44	6206/6205	16.2
	JMQ-12	JMP-12	1740	145JM	1.15	5.6/2.8	25	2.2	20	84	L	53	6206/6205	16.2
	JPQ-12	JPP-12	1740	145JP	1.15	5.6/2.8	25	2.2	20	84	L	53	6206/6205	19.3
3	JMQ-16S	JMP-16S	3510	145JM	1.15	7.4/3.7	32	3.0	25.6	85.5	K	55	6206/6205	16.2
	JMQ-16	JMP-16	3510	182JM	1.15	7.4/3.7	32	3.0	25.6	85.5	K	84	6208/6306	17.5
	JMQ-17	JMP-17	1745	182JM	1.15	8.0/4.0	32	3.2	25.6	87.5	K	75	6208/6306	17.5
	JPQ-17	JPP-17	1745	182JP	1.15	8.0/4.0	32	3.2	25.6	87.5	K	75	6208/6306	20.5
5	JMQ-21	JMP-21	3515	184JM	1.15	11.6/5.8	46	4.7	36.8	87.5	J	97	6208/6306	18.5
	JMQ-22	JMP-22	1745	184JM	1.15	13/6.5	46	5.2	36.8	87.5	J	93	6208/6306	18.5
	JPQ-22	JPP-22	1745	184JP	1.15	13/6.5	46	5.2	36.8	87.5	J	93	6208/6306	21.5
7.5	JMQ-26S	JMP-26S	3525	184JM	1.15	17.6/8.8	63	7.0	50.4	88.5	H	106	6208/6306	18.5
	JMQ-26	JMP-26	3525	213JM	1.15	17.6/8.8	63	7.0	50.4	88.5	H	140	6309/6308	20.8
	JMQ-27	JMP-27	1750	213JM	1.15	18.4/9.2	63	7.4	50.4	89.5	H	139	6309/6308	20.8
	JPQ-27	JPP-27	1750	213JP	1.15	18.4/9.2	63	7.4	50.4	89.5	H	139	6309/6308	24.7
10	JMQ-31	JMP-31	3525	215JM	1.15	23/11.5	81	9.1	65	89.5	H	161	6309/6308	22.3
	JPQ-31	JPP-31	3525	215JP	1.15	23/11.5	81	9.1	65	89.5	H	161	6309/6308	26.2
	JMQ-32	JMP-32	1750	215JM	1.15	24.0/12.0	81	9.6	65	89.5	H	165	6309/6308	22.3
	JPQ-32	JPP-32	1750	215JP	1.15	24.0/12.0	81	9.6	65	89.5	H	165	6309/6308	26.2
15	JMQ-36S	JMP-36S	3515	215JM	1.15	36.6/12.2	116	13.8	93	90.2	G	176	6309/6308	22.3
	JMQ-36	JMP-36	3515	254JM	1.15	34.4/17.2	116	13.8	93	90.2	G	252	6309/6309	24.7
	JPQ-36S	JPP-36S	3515	215JP	1.15	34.4/17.2	116	13.8	93	90.2	G	176	6309/6308	26.2
	JPQ-36	JPP-36	3515	254JP	1.15	34.4/17.2	116	13.8	93	90.2	G	252	6309/6309	27.6
	JMQ-37	JMP-37	1750	254JM	1.15	36.4/18.2	116	14.6	93	90.2	G	251	6309/6309	24.7
20	JMQ-41	JMP-41	3530	256JM	1.15	45/22.5	145	18.0	116	90.2	G	299	6309/6309	26.5
	JMQ-42	JMP-42	1750	256JM	1.15	48.4/24.2	145	19.4	116	91	G	293	6309/6309	26.5
25	JMQ-46S	JMP-46S	3530	256JM	1.15	56/28	182	22.4	146	91	G	310	6309/6309	26.5
	JMQ-46	JMP-46	3530	284JM	1.15	56/28	182	22.4	146	91	G	361	6311/6311	27.5
	JMQ-47	JMP-47	1760	284JM	1.15	60/30	182	24.0	146	92.4	G	365	6311/6311	29.1
30	JMQ-51	JMP-51	3530	286JM	1.15	67.4/33.7	217	27.0	174	91	G	396	6311/6311	29.1
	JMQ-52	JMP-52	1760	286JM	1.15	70.6/35.3	217	28.2	174	92.4	G	397	6311/6311	29.1
40	JMQ-56S	JMP-56S	3540	286JM	1.15	89/44.5	290	35.6	232	91.7	G	431	6311/6311	29.1
	JMQ-56	JMP-56	3540	324JM	1.15	89/44.5	290	35.6	232	91.7	G	493	6312/6312	30
	JMQ-57	JMP-57	1760	324JM	1.15	93.2/46.6	290	37.3	232	93	G	519	6312/6312	30
50	JMQ-61	JMP-61	3545	326JM	1.15	110/55	362	44.0	290	92.4	G	543	6312/6312	31.5

*** Other performance data is available upon request from MEP**



Max Motion

1 HP to 10 HP Rolled Steel TEFC Premium Efficiency Motors

Applications:

For general purpose use on compressors, pumps, conveyors, fans, blowers, and other machinery operating in dust filled wet environment.

Features:

- **Design** - NEMA Standard MG-1 Design B • **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CC, EEV
- **Electrical Supply** - 575V/3/60, 208-230/460/3/60 • **Voltage and Frequency Variation** - +/- 10% also good for 190/380V at 50Hz at the same HP • **Windings** - High quality copper magnet wire class F insulation system with class H epoxy resin protection
- **Bearings** - Sealed • **Enclosure Protection** - TEFC, IP Class 54
- **Inverter Duty** - Suitable for Inverter application at 230V, 460V, and 575V for speed ranges of 2:1 constant torque and 10:1 variable torque
- **Mounting -** Foot mounted and NEMA C Flange

Max Motion Premium Rolled Steel Performance Data*

HP	Max Motion Cat#	RPM	Frame	SF	Ins. Class	Data at 60Hz					Wt. in Lbs.	DE/ODE BRG	"C"DIM in inches
						Voltage	FLA	LRA	Eff.	CODE			
1HP	MQRP-1	3600	143T	1.15	F	208-230/460V	3.4/1.7	15	77	N	35	6205/6203	13.8
	MPRP-1	3600	143T	1.15	F	575V	1.4	12	77	N	35	6205/6203	13.8
	MQRP-2	1800	143T	1.15	F	208-230/460V	3.0/1.5	16	85.5	P	45	6205/6203	13.8
	MPRP-2	1800	143T	1.15	F	575V	1.25	13	85.5	P	45	6205/6203	13.8
	MQRP-3	1200	145T	1.15	F	208-230/460V	3.8/1.9	16	82.5	P	45	6205/6203	13.8
	MPRP-3	1200	145T	1.15	F	575V	1.52	13	82.5	P	45	6205/6203	13.8
1.5HP	MQRP-6	3600	145T	1.15	F	208-230/460V	4.2/2.1	20	84	M	42	6205/6203	13.8
	MPRP-6	3600	143T	1.15	F	575V	1.6	16	84	M	42	6205/6203	13.8
	MQRP-7	1800	145T	1.15	F	208-230/460V	5.7/2.85	21.5	86.5	N	52	6205/6203	13.8
	MPRP-7	1800	145T	1.15	F	575V	2.4	17.5	86.5	N	52	6205/6203	13.8
	MQRP-8	1200	182T	1.15	F	208-230/460V	4.8/2.4	21.5	87.5	N	79	6206/6206	15.8
	MPRP-8	1200	182T	1.15	F	575V	2	17.5	87.5	N	79	6206/6206	15.8
2HP	MQRP-11	3600	145T	1.15	F	208-230/460V	5.0/2.5	25	85.5	L	46	6205/6203	13.8
	MPRP-11	3600	145T	1.15	F	575V	2.1	20	85.5	L	46	6205/6203	13.8
	MQRP-12	1800	145T	1.15	F	208-230/460V	6.0/3.0	27	86.5	M	56	6205/6203	13.8
	MPRP-12	1800	145T	1.15	F	575V	2.4	22	86.5	M	56	6205/6203	13.8
	MQRP-13	1200	184T	1.15	F	208-230/460V	6.2/3.1	27	88.5	M	87	6206/6206	15.8
	MPRP-13	1200	184T	1.15	F	575V	2.48	22	88.5	M	87	6206/6206	15.8
3HP	MQRP-16	3600	182T	1.15	F	208-230/460V	7.6/3.8	32	86.5	K	78	6206/6206	15.8
	MPRP-16	3600	182T	1.15	F	575V	3	26	86.5	K	78	6206/6206	15.8
	MQRP-17	1800	182T	1.15	F	208-230/460V	8.0/4.0	34.5	89.5	L	93	6206/6206	15.8
	MPRP-17	1800	182T	1.15	F	575V	3.2	28	89.5	L	93	6206/6206	15.8
	MQRP-18	1200	213T	1.15	F	208-230/460V	9.0/4.5	34.5	89.5	L	123	6307/6206	19.9
	MPRP-18	1200	213T	1.15	F	575V	3.6	28	89.5	L	123	6307/6206	19.9
5HP	MQRP-21	3600	184T	1.15	F	208-230/460V	11.8/5.9	46	88.5	J	84	6206/6206	15.8
	MPRP-21	3600	184T	1.15	F	575V	4.8	37	88.5	J	84	6206/6206	15.8
	MQRP-22	1800	184T	1.15	F	208-230/460V	12.4/6.2	50	89.5	J	101	6206/6206	15.8
	MPRP-22	1800	184T	1.15	F	575V	5	40	89.5	J	101	6206/6206	15.8
	MQRP-23	1200	215T	1.15	F	208-230/460V	14.4/7.2	50	89.5	J	130	6307/6206	19.9
	MPRP-23	1200	215T	1.15	F	575V	5.8	40	89.5	J	130	6307/6206	19.9
7.5HP	MQRP-26	3600	213T	1.15	F	208-230/460V	18.4/9.2	63.5	89.5	H	91	6307/6206	19.9
	MPRP-26	3600	213T	1.15	F	575V	7.4	51	89.5	H	91	6307/6206	19.9
	MQRP-27	1800	213T	1.15	F	208-230/460V	19.2/9.6	68.5	91.7	J	146	6307/6206	19.9
	MPRP-27	1800	213T	1.15	F	575V	7.8	55	91.7	J	146	6307/6206	19.9
10HP	MQRP-31	3600	215T	1.15	F	208-230/460V	24.0/12.0	81	90.2	H	135	6307/6206	19.9
	MPRP-31	3600	215T	1.15	F	575V	9.6	65	90.2	H	135	6307/6206	19.9
	MQRP-32	1800	215T	1.15	F	208-230/460V	25.2/12.6	87.5	91.7	H	165	6307/6206	19.9
	MPRP-32	1800	215T	1.15	F	575V	10.2	70	91.7	H	165	6307/6206	19.9

*Other performance data is available upon request from MEP

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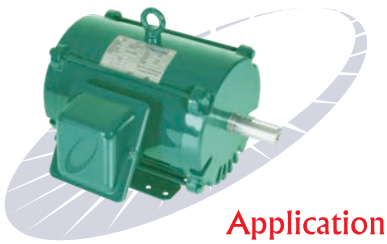

Max Motion

1HP to 20HP Rolled Steel ODP Premium Efficiency Motors

Applications:

For general purpose use on compressors, pumps, conveyors, fans, blowers, and other machinery in environments that are relatively clean and dry.

Features:

- **Design** - NEMA Standard MG-1 Design B • **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CC, EEV
- **Electrical Supply** - 575V/3/60, 208-230/460/3/60 • **Voltage and Frequency Variation** - +/- 10% motors also good for 190/380V at 50 Hz at same HP • **Windings** - High quality copper magnet wire class F insulation system with class H epoxy resin protection
- **Bearings** - Sealed • **Enclosure Protection** - Open Dripproof, IP Class 23
- **Inverter Duty** - Suitable for Inverter application at 230V, 460V, and 575V for speed ranges of 2:1 constant torque and 10:1 variable torque
- **Mounting** - Foot mounted and NEMA C Flange

Max Motion Open Dripproof Premium Rolled Steel Performance Data*

HP	Max Motion Cat#	RPM	Frame	SF	Ins. Class	Data at 60Hz					Wt. in Lbs.	DE/ODE BRG	"C"DIM in inches
						Voltage	FLA	LRA	Eff.	CODE			
1HP	MLRP-1	3600	143T	1.15	F	208-230/460V	3.2/1.6	15	77	N	34	6205/6203	11.8
	MKRP-1	3600	143T	1.15	F	575V	1.26	12	77	N	34	6205/6203	11.8
	MLRP-2	1800	143T	1.15	F	208-230/460V	3.2/1.6	16	85.5	P	44	6205/6203	11.8
	MKRP-2	1800	143T	1.15	F	575V	1.26	13	85.5	P	44	6205/6203	11.8
	MLRP-3	1200	145T	1.15	F	208-230/460V	3.6/1.8	16	82.5	P	44	6205/6203	11.8
	MKRP-3	1200	145T	1.15	F	575V	1.45	13	82.5	P	44	6205/6203	11.8
1.5HP	MLRP-6	3600	143T	1.15	F	208-230/460V	5.0/2.5	20	84	M	41	6205/6203	11.8
	MKRP-6	3600	143T	1.15	F	575V	2	16	84	M	41	6205/6203	11.8
	MLRP-7	1800	145T	1.15	F	208-230/460V	5.2/2.6	21.5	86.5	N	48	6205/6203	11.8
	MKRP-7	1800	145T	1.15	F	575V	2.2	17.5	86.5	N	48	6205/6203	11.8
	MLRP-8	1200	182T	1.15	F	208-230/460V	4.6/2.3	21.5	86.5	N	70	6206/6206	13.8
	MKRP-8	1200	182T	1.15	F	575V	1.86	17.5	86.5	N	70	6206/6206	13.8
2HP	MLRP-11	3600	145T	1.15	F	208-230/460V	5.3/2.62	25	85.5	L	41	6205/6203	11.8
	MKRP-11	3600	145T	1.15	F	575V	2.2	20	85.5	L	41	6205/6203	11.8
	MLRP-12	1800	145T	1.15	F	208-230/460V	5.8/2.9	27	86.5	M	51	6205/6203	11.8
	MKRP-12	1800	145T	1.15	F	575V	2.3	22	86.5	M	51	6205/6203	11.8
	MLRP-13	1200	184T	1.15	F	208-230/460V	6.4/3.2	27	87.5	M	78	6206/6206	13.8
	MKRP-13	1200	184T	1.15	F	575V	2.6	22	87.5	M	78	6206/6206	13.8
3HP	MLRP-16	3600	145T	1.15	F	208-230/460V	7.7/3.85	32	85.5	K	45	6205/6203	11.8
	MKRP-16	3600	145T	1.15	F	575V	3.2	26	85.5	K	45	6205/6203	11.8
	MLRP-17	1800	182T	1.15	F	208-230/460V	7.8/3.9	34.5	89.5	L	82	6206/6206	13.8
	MKRP-17	1800	182T	1.15	F	575V	3.2	28	89.5	L	82	6206/6206	13.8
	MLRP-18	1200	213T	1.15	F	208-230/460V	8.3/4.15	34.5	88.5	L	110	6307/6206	16.8
	MKRP-18	1200	213T	1.15	F	575V	3.3	28	88.5	L	110	6307/6206	16.8
5HP	MLRP-21	3600	182T	1.15	F	208-230/460V	12.4/6.2	46	86.5	J	76	6206/6206	13.8
	MKRP-21	3600	182T	1.15	F	575V	4.9	37	86.5	J	76	6206/6206	13.8
	MLRP-22	1800	184T	1.15	F	208-230/460V	12.6/6.3	50	89.5	J	92	6206/6206	13.8
	MKRP-22	1800	184T	1.15	F	575V	5.2	40	89.5	J	92	6206/6206	13.8
	MLRP-23	1200	215T	1.15	F	208-230/460V	13.8/6.9	50	89.5	J	121	6307/6206	16.8
	MKRP-23	1200	215T	1.15	F	575V	5.6	40	89.5	J	121	6307/6206	16.8
7.5HP	MLRP-26	3600	184T	1.15	F	208-230/460V	17.4/8.7	63.5	88.5	H	83	6206/6206	13.8
	MKRP-26	3600	184T	1.15	F	575	7	51	88.5	H	83	6206/6206	13.8
	MLRP-27	1800	213T	1.15	F	208-230/460V	18.4/9.2	68.5	91	J	132	6307/6206	16.8
	MKRP-27	1800	213T	1.15	F	575V	7.4	55	91	J	132	6307/6206	16.8
10HP	MLRP-31	3600	213T	1.15	F	208-230/460V	23.6/11.8	81	89.5	H	120	6307/6206	16.8
	MKRP-31	3600	213T	1.15	F	575V	9.5	65	89.5	H	120	6307/6206	16.8
	MLRP-32	1800	215T	1.15	F	208-230/460V	24.4/12.2	87.5	91.7	H	145	6307/6206	16.8
	MKRP-32	1800	215T	1.15	F	575V	9.85	70	91.7	H	145	6307/6206	16.8
15HP	MLRP-36	3600	215T	1.15	F	208-230/460V	34.0/17.0	116	90.2	G	134	6307/6206	16.8
	MKRP-36	3600	215T	1.15	F	575V	13.7	93	90.2	G	134	6307/6206	16.8
	MLRP-37	1800	254T	1.15	F	208-230/460	37.6/18.8	125	93	H	201	6309/6208	20.7
	MKRP-37	1800	254T	1.15	F	575V	15.3	100	93	H	201	6309/6208	20.7
20HP	MLRP-42	1800	256T	1.15	F	208-230/460V	50.8/25.4	125	93	H	223	6309/6208	20.7
	MKRP-42	1800	256T	1.15	F	575V	20.6	100	93	H	223	6309/6208	20.7

*Other performance data is available upon request from MEP

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Max Motion

1 HP to 10 HP Rolled Steel TEFC Epact Efficiency Design C Motors

Applications:

For general purpose use on compressors, pumps, conveyors, fans, blowers, and other machinery operating in dust filled wet environment.

Features:

- **Design** - NEMA Standard MG-1 Design C
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CC, EEV
- **Electrical Supply** - 575V/3/60, 208-230/460/3/60
- **Voltage and Frequency Variation** - +/- 10% also good for 190/380V at 50Hz at the same HP
- **Windings** - High quality copper magnet wire class F insulation system with class H epoxy resin protection
- **Bearings** - Sealed
- **Enclosure Protection** - TEFC, IP Class 54
- **Inverter Duty** - Suitable for Inverter application at 230V, 460V, and 575V for speed ranges of 2:1 constant torque and 10:1 variable torque
- **Mounting -** Foot mounted and NEMA C Flange

Max Motion Epact Design C Rolled Steel Performance Data*

HP	Max Motion Cat#	RPM	Frame	SF	Ins. Class	Data at 60Hz					Wt. in Lbs.	DE/ODE BRG	"C"DIM in inches
						Voltage	FLA	LRA	Eff.	CODE			
1HP	MQRC-2	1760	143T	1.15	F	208-230/460V	3.4/1.7	14.8	82.5	N	45	6205/6203	13.8
	MPRC-2					575V	1.35	11.7	82.5		45	6205/6203	13.8
	MQRC-3	1160	145T	1.15	F	208-230/460V	4.6/2.3	11.4	80	N	45	6205/6203	13.8
	MPRC-3					575V	1.6	9.1	80		45	6205/6203	13.8
1.5HP	MQRC-7	1750	145T	1.15	F	208-230/460V	5.0/2.6	19.4	84	M	52	6205/6203	13.8
	MPRC-7					575V	2.1	15.1	84		52	6205/6203	13.8
	MQRC-8	1160	182T	1.15	F	208-230/460V	5.04/2.25	18.2	85.5	M	79	6206/6206	15.8
	MPRC-8					575V	2	13	85.5		79	6206/6206	15.8
2HP	MQRC-12	1750	145T	1.15	F	208-230/460V	6.2/3.1	23.9	84	L	56	6205/6203	13.8
	MPRC-12					575V	2.5	19.1	84		56	6205/6203	13.8
	MQRC-13	1150	184T	1.15	F	208-230/460V	6.4/3.2	22.7	86.5	L	87	6206/6206	15.8
	MPRC-13					575V	2.6	18.9	86.5		87	6206/6206	15.8
3HP	MQRC-17	1750	182T	1.15	F	208-230/460V	8.4/4.2	32	87.5	K	93	6206/6206	15.8
	MPRC-17					575V	3.3	24.4	87.5		93	6206/6206	15.8
	MQRC-18	1140	213T	1.15	F	208-230/460V	9.41/4.7	30.4	87.5	K	123	6307/6206	19.9
	MPRC-18					575V	3.8	24.4	87.5		123	6307/6206	19.9
5HP	MQRC-22	1740	184T	1.15	F	208-230/460V	12.8/6.4	44.8	87.5	J	101	6206/6206	15.8
	MPRC-22					575V	5.5	36	87.5		101	6206/6206	15.8
	MQRC-23	1140	215T	1.15	F	208-230/460V	16.2/8.1	46	87.5	J	130	6307/6206	19.9
	MPRC-23					575V	6.5	36	87.5		130	6307/6206	19.9
7.5HP	MQRC-27	1740	213T	1.15	F	208-230/460V	18.6/9.3	59	89.5	H	146	6307/6206	19.9
	MPRC-27					575V	7.6	50	89.5		146	6307/6206	19.9
10HP	MQRC-32	1740	215T	1.15	F	208-230/460V	25.4/12.7	80	89.5	H	165	6307/6206	19.9
	MPRC-32					575V	10.1	64.8	89.5		165	6307/6206	19.9

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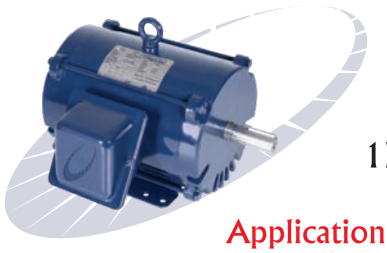

Max Motion

1HP to 20HP Rolled Steel ODP Epact Efficiency Design C Motors

Applications:

For general purpose use on compressors, pumps, conveyors, fans, blowers, and other machinery in environments that are relatively clean and dry.

Features:

- **Design** - NEMA Standard MG-1 Design C
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CC, EEV
- **Electrical Supply** - 575V/3/60, 208-230/460/3/60
- **Voltage and Frequency Variation** - +/- 10%
- **Windings** - High quality copper magnet wire class F insulation system with class H epoxy resin protection
- **Bearings** - Sealed
- **Enclosure Protection** - Open Dripproof, IP Class 23
- **Inverter Duty** - Suitable for Inverter application at 230V, 460V, and 575V for speed ranges of 2:1 constant torque and 10:1 variable torque
- **Mounting -** Foot mounted and NEMA C Flange

Max Motion ODP, Epact Design C, Rolled Steel, Performance Data*

HP	Max Motion Cat#	RPM	Frame	SF	Ins. Class	Data at 60Hz					Wt. in Lbs.	DE/ODE BRG	"C"DIM in inches
						Voltage	FLA	LRA	Eff.	CODE			
1HP	MLRC-2	1760	143T	1.15	F	208-230/460V	3.4/1.7	14.4	82.5	N	44	6205/6203	11.8
	MKRC-2					575V	1.45	11.5	82.5		44	6205/6203	11.8
	MLRC-3	1150	145T	1.15	F	208-230/460V	4.2/2.1	11.5	80	N	44	6205/6203	11.8
	MKRC-3					575V	1.5	9.6	80		44	6205/6203	11.8
1.5HP	MLRC-7	1750	145T	1.15	F	208-230/460V	5.0/2.5	19	84	M	48	6205/6203	11.8
	MKRC-7					575V	1.85	15.2	84		48	6205/6203	11.8
	MLRC-8	1160	182T	1.15	F	208-230/460V	4.8/2.4	17.4	84	M	70	6206/6206	13.8
	MKRC-8					575V	2	13.9	84		70	6206/6206	13.8
2HP	MLRC-12	1740	145T	1.15	F	208-230/460V	6.0/3.0	24.2	84	L	51	6205/6203	11.8
	MKRC-12					575V	2.45	19.4	84		51	6205/6203	11.8
	MLRC-13	1150	184T	1.15	F	208-230/460V	6.2/3.1	24.1	85.5	L	78	6206/6206	13.8
	MKRC-13					575V	2.5	18.9	85.5		78	6206/6206	13.8
3HP	MLRC-17	1750	182T	1.15	F	208-230/460V	8.6/4.3	28.6	86.5	K	82	6206/6206	13.8
	MKRC-17					575V	3.3	23.7	86.5		82	6206/6206	13.8
	MLRC-18	1140	213T	1.15	F	208-230/460V	9.8/4.9	27	86.5	K	110	6307/6206	16.8
	MKRC-18					575V	4	22.6	86.5		110	6307/6206	16.8
5HP	MLRC-22	1740	184T	1.15	F	208-230/460V	13.0/6.5	43.5	87.5	J	92	6206/6206	13.8
	MKRC-22					575V	5.2	36	87.5		92	6206/6206	13.8
	MLRC-23	1140	215T	1.15	F	208-230/460V	14.0/7.0	41	87.5	J	121	6307/6206	16.8
	MKRC-23					575V	5.6	32.9	87.5		121	6307/6206	16.8
7.5HP	MLRC-27	1740	213T	1.15	F	208-230/460V	19.0/9.5	63.5	88.5	H	132	6307/6206	16.8
	MKRC-27					575V	7.65	50.8	88.5		132	6307/6206	16.8
10HP	MLRC-32	1740	215T	1.15	F	208-230/460V	25.2/12.8	81	89.5	H	145	6307/6206	16.8
	MKRC-32					575V	10.3	64.8	89.5		145	6307/6206	16.8
15HP	MLRC-37	1740	254T	1.15	F	208-230/460	36.6/18.3	114	91	G	201	6309/6208	20.7
	MKRC-37					575V	15.3	88	91		201	6309/6208	20.7
20HP	MLRC-42	1740	256T	1.15	F	208-230/460V	49/24.5	144	91	G	223	6309/6208	20.7
	MKRC-42					575V	20.3	123	91		223	6309/6208	20.7

***Other performance data is available upon request from MEP**

MEP

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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 -** NEMA MG-1 design B on premium efficiency design and design C on Epact efficiency design.
- **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 4:1 VT and 10:1 CT.
- **Bearings -** Double sealed with Lithium grease -30 Deg C to 180 Deg. C
- **Enclosure Protection -** TEFC and TENV available to 3/4HP with all frame sizes meeting IEC standard IP65.
- **Construction -** Paint free with all 304 stainless steel housing and shaft. Moisture proof sealant on all machined fits and neoprene lip seals on ODE and DE shafts. Four condensation plugs on each end shield for mounting flexibility.
- **Mounting -** Base and NEMA C face is standard, with removable heavy 12 gauge stainless steel feet on frames 56C and 56HC.
- **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	CAT. # 230/460V	CAT. # 575V	RPM	FRAME	ENCLOSURE	SERVICE FACTOR	Data at 60Hz						NET WT. LBS	DE/ODE BRG	C DIM. IN INCHES
							FLA 230V/460V	460V L.R. AMPS	FLA 575V	575V L.R AMPS	EFF. %	CODE			
1/3	MQS-134	MPS-134	1740	56C	TENV	1.15	1.2/0.6	5	0.95	4	82.5	K	27.1	6205zz/6205zz	11.59
	MQS-134FC	MPS-134FC	1740	56C	TEFC	1.15	1.2/0.6	5	0.95	4	82.5	K	27.9	6205zz/6205zz	11.59
1/2	MQS-122	MPS-122	3450	56C	TENV	1.15	1.3/0.65	5	1	4	77	K	28.05	6205zz/6205zz	11.59
	MQS-124	MPS-124	1745	56C	TENV	1.15	1.6/0.8	7	1.3	5.6	82.5	K	28	6205zz/6205zz	11.59
	MQS-124FC	MPS-124FC	1745	56C	TEFC	1.15	1.6/0.8	7	1.3	5.6	82.5	K	29.1	6205zz/6205zz	11.59
	MQS-126	MPS-126	1155	56C	TENV	1.15	1.8/0.9	6.5	1.45	5.2	80	K	29.6	6205zz/6205zz	12.57
3/4	MQS-342	MPS-342	3500	56HC	TENV	1.15	2.2/1.1	12	1.8	10	80	K	31.7	6205zz/6205zz	12.57
	MQS-344	MPS-344	1745	56HC	TENV	1.15	2.2/1.1	10	1.8	8	82.5	K	31	6205zz/6205zz	12.57
	MQS-344FC	MPS-344FC	1745	56HC	TEFC	1.15	2.2/1.1	10	1.8	8	82.5	K	32.45	6205zz/6205zz	12.57
	MQS-346	MPS-346	1155	56HC	TENV	1.15	3.7/1.85	12.5	3	10	79	K	34.3	6205zz/6205zz	12.63
1	MQS-102	MPS-102	3470	56HC	TEFC	1.15	2.8/1.4	15	2.3	12	80	K	35.2	6205zz/6205zz	13.68
	MQS-104	MPS-104	1750	56HC	TEFC	1.15	3/1.5	15	2.4	12	84	K	35.6	6205zz/6205zz	13.68

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10-2013

MaxMotion

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

MaxMotion Series 1HP to 20HP Stainless Steel Epact Efficiency NEMA 12-11, Design C Performance Data*

HP	Cat. # 230/460V	Cat. # 575V	RPM	Frame	Enclosure	Service Factor	Data at 60Hz						Net WT. Lbs.	DE/ODE BRG	C Dim. In Inches
							FLA 230/460V	460V LR Amps	575V FLA	575V LR Amps	EFF. %	Code			
1	MQS-104T	MPS-104T	1740	143TC	TEFC	1.15	3.0/.15	15	1.2	12	82.5	M	36	6205zz/6205zz	13.68
	MQS-106T	MPS-106T	1140	143TC	TEFC	1.15	3.4/1.7	15	1.4	12	80	M	42	6205zz/6205zz	12.63
1.5	MQS-154T	MPS-154T	1740	145TC	TEFC	1.15	4.4/2.2	20	1.8	16	84	M	42	6205zz/6205zz	12.63
	MQS-156T	MPS-156T	1165	182TC	TEFC	1.15	4.6/2.3	20	1.8	16	85.5	M	79	6308zz/6306zz	16.4
2	MQS-204T	MPS-204T	1740	145TC	TEFC	1.15	5.6/2.8	25	2.2	20	84	L	51	6205zz/6205zz	13.68
	MQS-206T	MPS-206T	1165	184TC	TEFC	1.15	5.8/2.9	25	2.3	20	86.5	L	95	6308zz/6306zz	16.4
3	MQS-304T	MPS-304T	1745	182TC	TEFC	1.15	8.0/4.0	32	3.2	25.6	87.5	K	78	6308zz/6306zz	16.4
	MQS-306T	MPS-306T	1170	213TC	TEFC	1.15	8.4/4.2	32	3.4	25.6	87.5	K	160	6308zz/6208zz	21.5
5	MQS-504T	MPS-504T	1745	184TC	TEFC	1.15	12.6/6.3	46	5	36.8	87.5	J	99	6308zz/6306zz	16.4
	MQS-506T	MPS-506T	1170	215TC	TEFC	1.15	13.4/6.7	46	5.4	36.8	87.5	J	197	6308zz/6208zz	22.3
7.5	MQS-704T	MPS-704T	1750	213TC	TEFC	1.15	18.0/9.0	63	7.2	50.4	89.5	H	179	6308zz/6208zz	21.5
10	MQS-1004T	MPS-1004T	1750	215TC	TEFC	1.15	24.0/12.0	81	9.6	64.8	89.5	H	210	6308zz/6208zz	22.3
15	MQS-1504T	MPS-1504T	1750	254TC	TEFC	1.15	36.0/18.0	116	14.4	92.8	91	G	286	6309zz/6309zz	23.7
20	MQS-2004T	MPS-2004T	1750	256TC	TEFC	1.15	48.0/24.0	145	19.2	116	91	G	352	6309zz/6309zz	25.3

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

1	MQSP-104T	MPSP-104T	1740	143TC	TEFC	1.15	3.0/.15	15	1.2	12	85.5	M	36	6205zz/6205zz	13.68
	MQSP-106T	MPSP-106T	1140	143TC	TEFC	1.15	3.4/1.7	15	1.4	12	82.5	M	42	6205zz/6205zz	12.63
1.5	MQSP-152T	MPSP-152T	3500	143TC	TEFC	1.15	4.0/2.0	20	1.6	16	84	M	39	6205zz/6205zz	12.63
	MQSP-154T	MPSP-154T	1740	145TC	TEFC	1.15	4.4/2.2	20	1.8	16	86.5	M	42	6205zz/6205zz	12.63
	MQSP-156T	MPSP-156T	1165	182TC	TEFC	1.15	4.6/2.3	20	1.8	16	87.5	M	79	6308zz/6306zz	16.4
2	MQSP-202T	MPSP-202T	3500	145TC	TEFC	1.15	4.84/2.42	25	1.9	20	85.5	L	45	6205/6205	13.68
	MQSP-204T	MPSP-204T	1740	145TC	TEFC	1.15	5.6/2.8	25	2.2	20	86.5	L	51	6205zz/6205zz	13.68
	MQSP-206T	MPSP-206T	1165	184TC	TEFC	1.15	5.8/2.9	25	2.3	20	88.5	L	95	6308zz/6306zz	16.4
3	MQSP-302T	MPSP-302T	3510	182TC	TEFC	1.15	7.4/3.7	32	3.0	25.6	86.5	K	77	6308zz/6306zz	16.4
	MQSP-304T	MPSP-304T	1745	182TC	TEFC	1.15	8.0/4.0	32	3.2	25.6	89.5	K	78	6308zz/6306zz	16.4
	MQSP-306T	MPSP-306T	1170	213TC	TEFC	1.15	8.4/4.2	32	3.4	25.6	89.5	K	160	6308zz/6208zz	21.5
5	MQSP-502T	MPSP-502T	3515	184TC	TEFC	1.15	11.6/5.8	46	4.6	36.8	88.5	J	95	6308zz/6306zz	16.4
	MQSP-504T	MPSP-504T	1745	184TC	TEFC	1.15	12.6/6.3	46	5.0	36.8	89.5	J	99	6308zz/6306zz	16.4
	MQSP-506T	MPSP-506T	1170	215TC	TEFC	1.15	13.4/6.7	46	5.4	36.8	89.5	J	197	6308zz/6208zz	22.3
7.5	MQSP-702T	MPSP-702T	3525	213TC	TEFC	1.15	17.6/8.8	63	7.0	50.4	89.5	H	151	6308zz/6208zz	21.5
	MQSP-704T	MPSP-704T	1750	213TC	TEFC	1.15	18.0/9.0	63	7.2	50.4	91.7	H	179	6308zz/6208zz	21.5
10	MQSP-1002T	MPSP-1002T	3525	215TC	TEFC	1.15	22.4/11.2	81	9.0	64.8	90.2	H	166	6308zz/6208zz	22.3
	MQSP-1004T	MPSP-1004T	1750	215TC	TEFC	1.15	24.0/12.0	81	9.6	64.8	91.7	H	210	6308zz/6208zz	22.3
15	MQSP-1504T	MPSP-1504T	1750	254TC	TEFC	1.15	36.0/18.0	116	14.4	92.8	92.4	G	286	6309zz/6309zz	23.7
20	MQSP-2004T	MPSP-2004T	1750	256TC	TEFC	1.15	48.0/24.0	145	19.2	116	93	G	352	6309zz/6309zz	25.3

***Other performance data is available upon request from MEP**

MaxMotion

All-in-One 56C frame AC motors, 1/3HP to 2HP

TEFC, 208-230/460V & 575V 3 phase

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:

- NEMA C-Face output
- Removable bolt-on rigid base
- Ready to accept brake kits
- Reversible rotation
- 230V/460V are also 50HZ rated next HP lower
- Ball bearing construction
- Inverter duty magnet wire
- Speed range 5:1 constant torque, 10:1 variable torque.
- Locked drive end bearings
- Neoprene double lip seal on DE and NDE bend bells

HP	Cat#	RPM	Volts	Frame	S.F.	Bearings	Overload Protection	FLA	C Dim. In Inches
1/3	MQR-132CW	3450	208-230/460	56HC	1.15	Ball	None	1.6-1.5/0.8	12.25
	MPR-132CW		575			Ball	None	0.6	12.25
	MQR-134CW	1725	208-230/460	56HC	1.15	Ball	None	1.7-1.6/0.8	12.25
	MPR-134CW		575			Ball	None	0.6	12.25
	MQR-136CW	1150	208-230/460	56HC	1.15	Ball	None	2.0-1.8/0.9	12.25
	MPR-136CW		575			Ball	None	0.72	12.25
1/2	MQR-122CW	3450	208-230/460	56HC	1.15	Ball	None	2.3-2.2/1	12.25
	MPR-122CW		575			Ball	None	0.8	12.25
	MQR-124CW	1725	208-230/460	56HC	1.15	Ball	None	2.2-2.0/1.0	12.25
	MPR-124CW		575			Ball	None	0.8	12.25
	MQR126CW	1150	208-230/460	56HC	1.15	Ball	None	2.6-2.4/1.2	12.25
	MPR-126CW		575			Ball	None	0.96	12.25
3/4	MQR-342CW	3450	208-230/460	56HC	1.15	Ball	None	3.0-2.9/1.45	12.25
	MPR-342CW		575			Ball	None	1.0	12.25
	MQR-344CW	1725	208-230/460	56HC	1.15	Ball	None	3.0-2.8/1.4	12.25
	MPR-344CW		575			Ball	None	1.1	12.25
	MQR-346CW	1150	208-230/460	56HC	1.15	Ball	None	3.3-3.0/1.5	12.25
	MPR-346CW		575			Ball	None	1.2	12.25
1	MQR-102CW	3450	208-230/460	56HC	1.15	Ball	None	3.8-3.6/1.8	12.25
	MPR-102CW		575			Ball	None	1.2	12.25
	MQR-104CW	1725	208-230/460	56HC	1.15	Ball	None	4.0-3.8/1.8	12.25
	MPR-104CW		575			Ball	None	1.3	12.25
	MQR-106CW	1150	208-230/460	56HC	1.15	Ball	None	4.4-4/2	12.25
	MPR-106CW		575			Ball	None	1.6	12.25
1 1/2	MQR-152CW	3450	208-230/460	56HC	1.15	Ball	None	3.8-3.6/1.8	12.25
	MPR-152CW		575			Ball	None	1.6	12.25
	MQR-154CW	1725	208-230/460	56HC	1.15	Ball	None	5.0-4.8/2.3	12.25
	MPR-154CW		575			Ball	None	1.8	12.25
2	MQR-202CW	3450	208-230/460	56HC	1.15	Ball	None	6.2-6.0/3	12.25
	MPR-202CW		575			Ball	None	2	12.25
	MQR-204CW	1725	208-230/460	56HC	1.15	Ball	None	6.4-6.2/3.1	13.83
	MPR-204CW		575			Ball	None	2.4	13.83
3	MQR-302W	3500	208-230/460	56HC	1.15	Ball	None	9.3-9/4.5	13.83
	MPR-302W		575			Ball	None	3	13.83

MEP

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MaxMotion

All-in-One 56C frame AC motors, 1/3HP to 2HP

Farm Duty Single Phase, 2HP to 10HP

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:

- NEMA C-Face output.
- Removable bolt-on rigid base on 56HC Frames
- Ready to accept brake kits on 56HC Frames
- Ball bearing construction
- Reversible rotation
- Manual thermal overload
- Neoprene V-ring slinger on output shaft

HP	Cat#	RPM	Volts	Frame	S.F.	Bearings	Overload Protection	FLA	C Dim. in Inches
1/3	MTR-134FDC	1725	115 / 208-230	56HC	1.15	Ball	Manual	6.6/3.3	12.4
1/2	MTR-122FDC	3450	115 / 208-230	56HC	1.15	Ball	Manual	8.4/4.0	11
	MTR-124FDC	1725	115 / 208-230			Ball	Manual	8.8/4.2	12.4
3/4	MTR-342FDC	3450	115 / 208-230	56HC	1.15	Ball	Manual	10.6/5.3	11
	MTR-344FDC	1725	115 / 208-230			Ball	Manual	11.0/5.5	12.4
1	MTR-102FDC	3450	115 / 208-230	56HC	1.15	Ball	Manual	11.2/5.6	11.8
	MTR-104FDC	1725	115 / 208-230			Ball	Manual	13.6/6.8	12.8
1 1/2	MTR-152FDC	3450	115 / 208-230	56HC	1.15	Ball	Manual	14.2/7.1	13
	MTR-154FDC	1725	115 / 208-230			Ball	Manual	15.2/7.6	13.3
2	MTR-202FDC	3450	208-230	56HC	1.15	Ball	Manual	10.0/9.1	13
	MTR-204FDC	1725	208-230	56HC		Ball	Manual	11.0/10.0	13.8
	MTR-204FDTC	1725	208-230	145TC	1.15	Ball	Manual	10.3-9.3	14.4
3	MTR-304FD (1) (2)	1750	208-230	182T	1.15	Ball	Manual	14.4-13	16.3
5	MTR-502FDC (1)	3450	208-230	184TC	1.15	Ball	None	21.6-19.5	17.7
	MTR-504FD (1) (2)	1750	208-230	184T		Ball	Manual	22.2-20	17.7
7.5	MTR-754FD (1) (2)	1750	208-230	213/215T	1.15	Ball	None	33.2-30	20.3
10	MTR-1004FD (1) (2)	1750	208-230	215T	1.0	Ball	None	42.6-38.5	21.7

(1) Motors not ready to accept Brake Kit.
(2) Foot mounted design with provision to accept NEMA C Face Kit.

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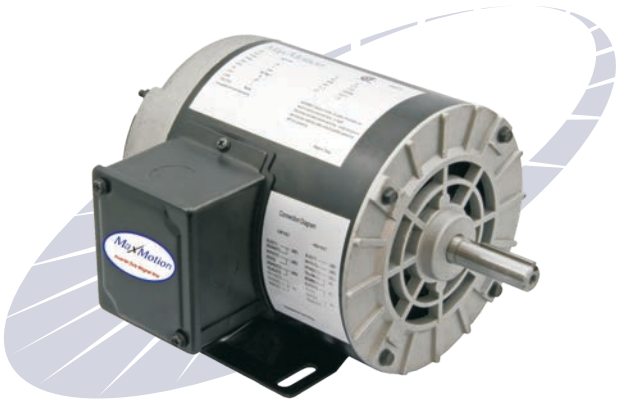
8-2011



MaxMotion

General Purpose, Three Phase, ODP, Rigid Base, Ball Bearing

190/380V at 50Hz at next lower HP
1/3HP to 2HP

Applications:

General purpose use on compressors, pumps, conveyors, fans, blowers, and other machinery in environments that are relatively clean and dry.

Features:

- Inverter duty magnet wire
- Ball bearing design
- Rigid base
- 230V/460V are also 190V/380V at 50HZ rated at next HP lower

HP	Cat#	RPM	Volts	Frame	S.F.	Bearings	Overload Protection	FLA	C. Dim in Inches
1/3	MLR-134W	1725	208-230/460	56	1.35	Ball	None	1.5-1.4/0.8	11.06
	MKR-134W		575			Ball	None	0.6	11.06
1/2	MLR-124W	1725	208-230/460	56	1.25	Ball	None	2.2-2.1/1.1	11.06
	MKR-124W		575			Ball	None	0.9	11.06
3/4	MLR-344W	1725	208-230/460	56	1.25	Ball	None	2.7-2.8/1.4	11.06
	MKR-344W		575			Ball	None	1.1	11.06
1	MLR-104W	1725	208-230/460	56	1.15	Ball	None	3.4-3.2/1.7	11.06
	MKR-104W		575			Ball	None	1.4	11.06
1 1/2	MLR-154W	1725	208-230/460	56	1.15	Ball	None	4.8-4.4/2.4	12.20
	MKR-154W		575			Ball	None	1.8	12.20
2	MLR-204W	1725	208-230/460	56	1.15	Ball	None	6.2/5.8/2.9	13.02
	MKR-204W		575			Ball	None	2.5	13.02

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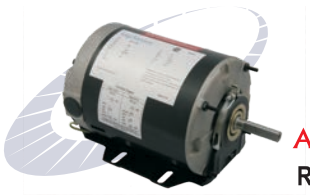


Belted Fan, Single Phase, Split Phase, Dripproof, Resilient Base, Ball Bearing

1/3HP & 1/2HP

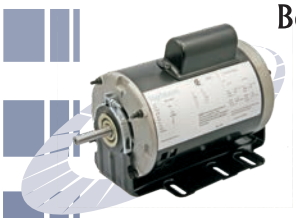
Applications:

Residential and commercial fans & blowers where low starting torque is required such as air conditioners, roof ventilators, and exhaust fans.

Features:

- Ball bearing design
- Heavy gauge steel frame with resilient base for low vibration and quiet operation
- 48Z offers longer output shaft for greater mounting options
- Reversible rotation
- Extended through bolts
- 56H Capacitor start motors have alternate bolt holes for 143T and 145T frames mounting

HP	Cat#	RPM	Volts	Frame	S.F.	Bearings	Overload	FLA	C Dim. in Inches
1/3	MOR-134BF	1725	115V	48Z	1.35	Ball	Auto	6.1	9.72
1/2	MOR-124BF	1725	115V	48Z	1.25	Ball	Auto	7.2	10.22



Belted Fan, Single Phase, Capacitor Start, Dripproof, Resilient Base, Ball Bearing

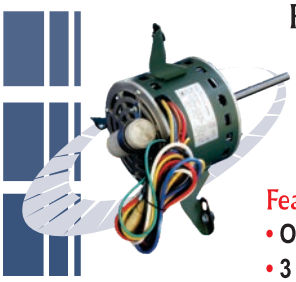
1/3HP & 1HP

Applications:

Residential and commercial fans & blowers where high starting torque is required such as air conditioners, roof ventilators, and exhaust fans.

HP	Cat#	RPM	Volts	Frame	S.F.	Bearings	Overload	FLA	C Dim. in Inches
1/3	MOR-134BFB(1)	1725	115 / 208-230	48Z	1.35	Ball	Auto	5.6/3.1-2.8	10.4
1/2	MOR-124BFB(1)	1725	115 / 208-230	56HZ	1.25	Ball	Auto	8.5/5.0-4.5	11.8
3/4	MOR-344BFB	1725	115 / 208-230	56HZ	1.25	Ball	Auto	10.9/6.0-5.5	11.8
1	MOR-104BFB	1725	115 / 208-230	56H	1.15	Ball	Auto	13.6/7.5-6.8	11.8

(1) Sleeve shaft adaptor is included for 5/8 inch shaft.



Fan and Blower Motor, Direct Drive, PSC, Open Air Over, Torsion Flex Mount

Applications:

For residential and commercial furnaces, air conditioners, exhaust fans, and other air handling equipment installed in clean and dry environments.

Features:

- Open frames and Brackets
- 3 lug mount fits 9" and 10" bolt circle. Mounting holes are .435" dia. With grommets and sleeves for .26" dia. Option.
- *Multi Speed capacity*
- Weather resistant reversing plug
- 30" long leads
- Auto reset thermal protector
- UL, cUL recognized
- *10 & 15mfd, 370V Capacitor Included*

HP	Cat#	RPM	Volts	Frame	S.F.	Bearings	Overload	FLA	Frame Length in Inches	Shaft Dim. In Inches	Weight in Lbs.
1/3	MDD136/4SP(1)	1075/4	115	48Y	1.0	Ball	Auto	4.5	4 1/2	1/2 x 6	15
1/2	MDD124/4SP(2)	1075/4	115	48Y	1.0	Ball	Auto	6	5	1/2 x 6	18

(1) Will replace Marathon X035, AO Smith 753A, Emerson 9377, Omnidrive 7553
(2) Will replace Marathon X036, AO Smith 754A, Emerson 3787 , Omnidrive 7554

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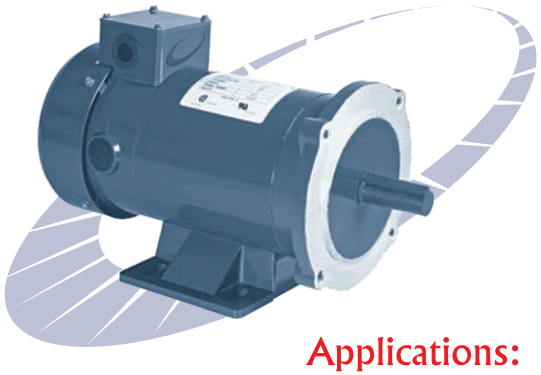

MaxMotion

Permanent Magnet DC Motors 1/4HP to 3HP

Applications:

For use with SCR rated single phase DC variable speed controls used in conveyors, pumps, packaging equipment and many other applications where economical precise speed control is required.

Features:

- SCR rated
- TEFC & TENV
- NEMA C face with removable feet
- Permanently lubricated sealed bearings
- High quality magnets for high starting torque and increased efficiency
- Linear speed/torque throughout speed range

HP	CAT. #	RPM	ARM. DC VOLTS	FRAME	ENCL.	F.L. AMPS	TORQUE (IN.LBS.)	WGT. LBS.
1/4	MM2590FC	1750	90	56C	TEFC	2.9	9	21
	MM2590NV	1750	90	56C	TENV	2.9	9	21
	MM2518FC	1750	180	56C	TEFC	1.45	9	21
	MM2518NV	1750	180	56C	TENV	1.45	9	21
1/3	MM3390FC	1750	90	56C	TEFC	3.6	13.5	23
	MM3390NV	1750	90	56C	TENV	3.6	13.5	23
	MM3318FC	1750	180	56C	TEFC	1.8	13.5	23
	MM3318NV	1750	180	56C	TENV	1.8	13.5	23
1/2	MM5090FC	1750	90	56C	TEFC	5.2	18	25
	MM5090NV	1750	90	56C	TENV	5.2	18	25
	MM5018FC	1750	180	56C	TEFC	2.6	18	25
	MM5018NV	1750	180	56C	TENV	2.6	18	25
3/4	MM7590FC	1750	90	56C	TEFC	7.8	27	30
	MM7518FC	1750	180	56C	TEFC	3.9	27	30
1	MM1090FC	1750	90	56C	TEFC	10.4	36	33
	MM1018FC	1750	180	56C	TEFC	5.2	36	33
1 1/2	MM1518FC	1750	180	145TC	TEFC	7.2	54	45
2	MM2018FC	1750	180	145TC	TEFC	10.4	72	55
3	MM3018FC	1750	180	145TC	TEFC	17	109	70

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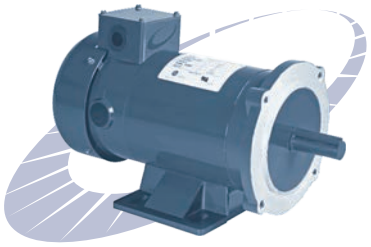

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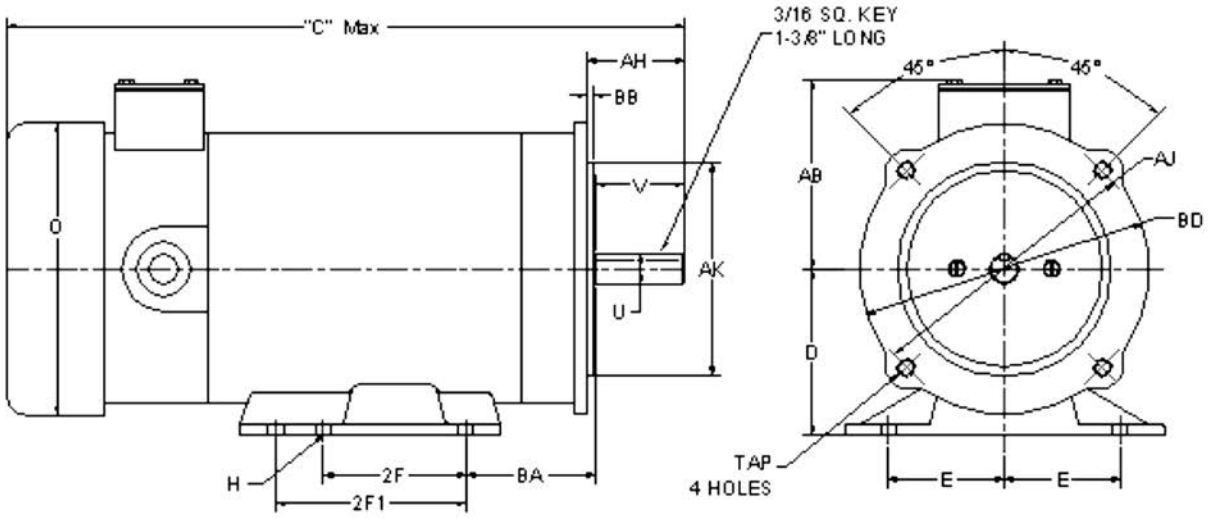
Permanent Magnet DC Motors 1/4HP to 3HP

PMDC MOTOR DIMENSIONS



HP	1/4-FC	1/4-FC	1/3-FC	1/3-NV	1/2-FC	1/2-FC	3/4	1	1.5	2	3
D	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
E	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.75	2.75	2.75
2F	3	3	3	3	3	3	3	4	4	4	4
2F1	-	-	-	-	-	-	-	5	5	5	5
H	11/32	11/32	11/32	11/32	11/32	11/32	11/32	11/32	11/34	11/34	11/34
O	5.625	-	5.625	-	5.625	-	5.625	5.625	7	7	7
U	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.875	0.875	0.875
V	1.875	1.875	1.875	1.875	1.875	1.875	1.875	1.875	2	2	2
AB	4	4	4	4	4	4	4	4	4.5	4.5	4.5
AH	2.063	2.063	2.063	2.063	2.063	2.063	2.063	2.063	2.12	2.12	2.12
AJ	5.875	5.875	5.875	5.875	5.875	5.875	5.875	5.875	5.875	5.875	5.875
AK	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
BA	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
BB	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
BD	6.14	6.14	6.14	6.14	6.14	6.14	6.14	6.14	6.14	6.14	6.14
TAP	375-16	375-16	375-16	375-16	375-16	375-16	375-16	375-16	375-16	375-16	375-16
C	11.625	11.181	11.625	11.181	12.438	12.01	13.938	14.75	16	16.75	17.72

The above dimensions are in inches

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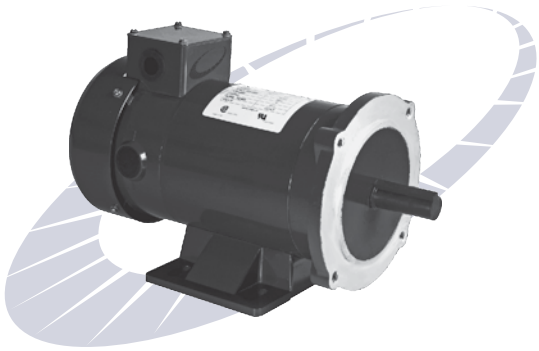

MaxMotion

12VDC, 24VDC & 48VDC PERMANENT MAGNET DC MOTORS 1/4HP - 1HP

Applications:

Low voltage DC motors for use from batteries and generator supplied power.

Features:

- **TEFC & TENV Enclosures.**
- **Permanently lubricated sealed ball bearings.**
- **Highest quality permanent magnets for high starting torque and increased reliability.**
- **Class H insulation.**
- **Easy brush access with simple brush holder design.**
- **CSA and CSAus certified.**

HP	CAT#	RPM	D.C. VOLTS	F.L. AMPS	FRAME	ENCL.	TORQUE IN LBS.	WT LBS.
1/4	MM2512FC	1750	12	21	56C	TEFC	9	21
	MM2512NV	1750	12	21	56C	TENV	9	21
	MM2524FC	1750	24	10.5	56C	TEFC	9	21
	MM2548FC	1750	48	5.3	56C	TEFC	9	21
1/3	MM3312FC	1750	12	27	56C	TEFC	12	23
	MM3324FC	1750	24	13.5	56C	TEFC	12	23
	MM3324NV	1750	24	13.5	56C	TENV	12	23
1/2	MM5012FC	1750	12	39	56C	TEFC	18	25
	MM5024FC	1750	24	20	56C	TEFC	18	25
3/4	MM7512FC	1750	12	63.6	56C	TEFC	27	30
	MM7524FC	1750	24	31.8	56C	TEFC	27	30
1	MM1012FC	1750	12	80	56C	TEFC	36	32
	MM1024FC	1750	24	40	56C	TEFC	36	32

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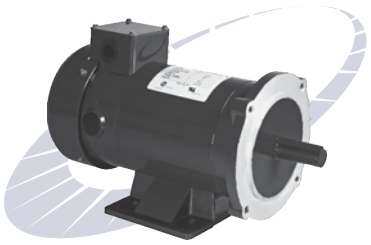
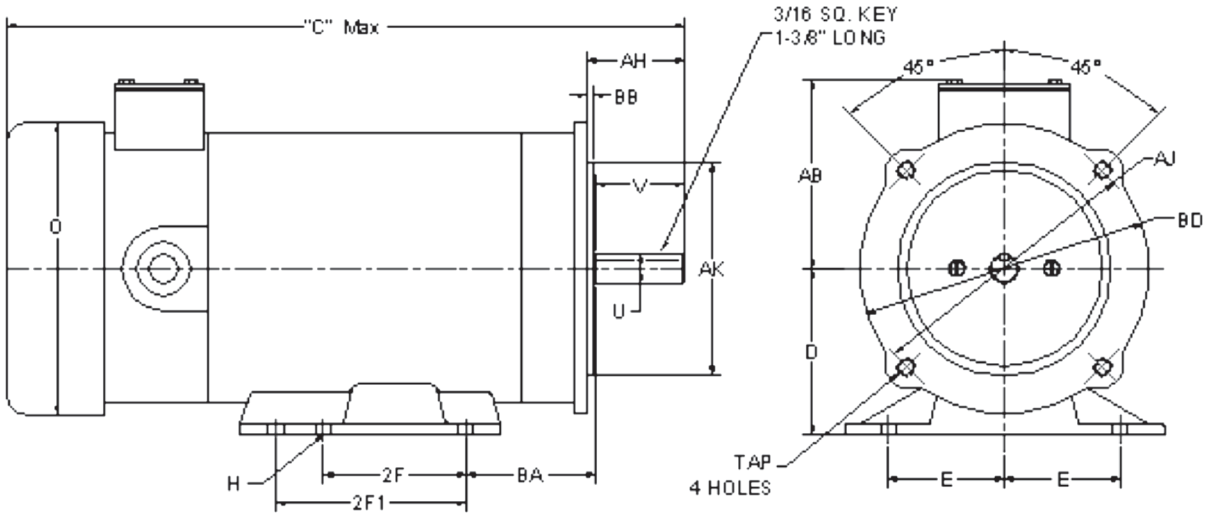


MaxMotion

Low Voltage PMDC Motors 1/4HP to 1HP

PMDC MOTOR DIMENSIONS



HP	1/4-FC	1/4-NV	1/3-FC	1/3-NV	1/2-FC	3/4	1
D	3.5	3.5	3.5	3.5	3.5	3.5	3.5
E	2.44	2.44	2.44	2.44	2.44	2.44	2.44
2F	3	3	3	3	3	3	4
2F1	-	-	-	-	-	-	5
H	11/32	11/32	11/32	11/32	11/32	11/32	11/32
O	5.625	-	5.625	-	-	5.625	5.625
U	0.625	0.625	0.625	0.625	0.625	0.625	0.625
V	1.875	1.875	1.875	1.875	1.875	1.875	1.875
AB	4	4	4	4	4	4	4
AH	2.063	2.063	2.063	2.063	2.063	2.063	2.063
AJ	5.875	5.875	5.875	5.875	5.875	5.875	5.875
AK	4.5	4.5	4.5	4.5	4.5	4.5	4.5
BA	2.75	2.75	2.75	2.75	2.75	2.75	2.75
BB	0.125	0.125	0.125	0.125	0.125	0.125	0.125
BD	6.14	6.14	6.14	6.14	6.14	6.14	6.14
TAP	375-16	375-16	375-16	375-16	375-16	375-16	375-16
C	11.625	11.181	11.625	11.181	12.01	13.938	14.75

The above dimensions are in inches

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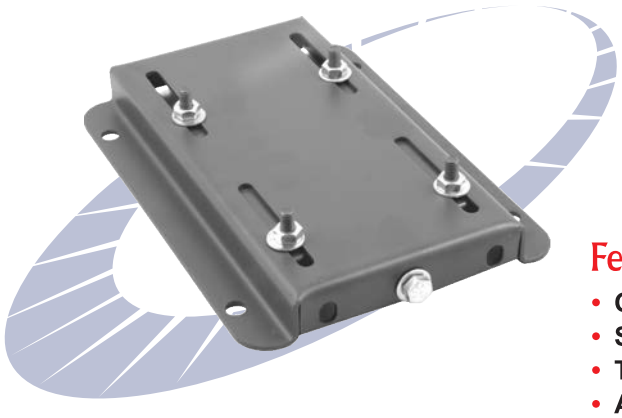
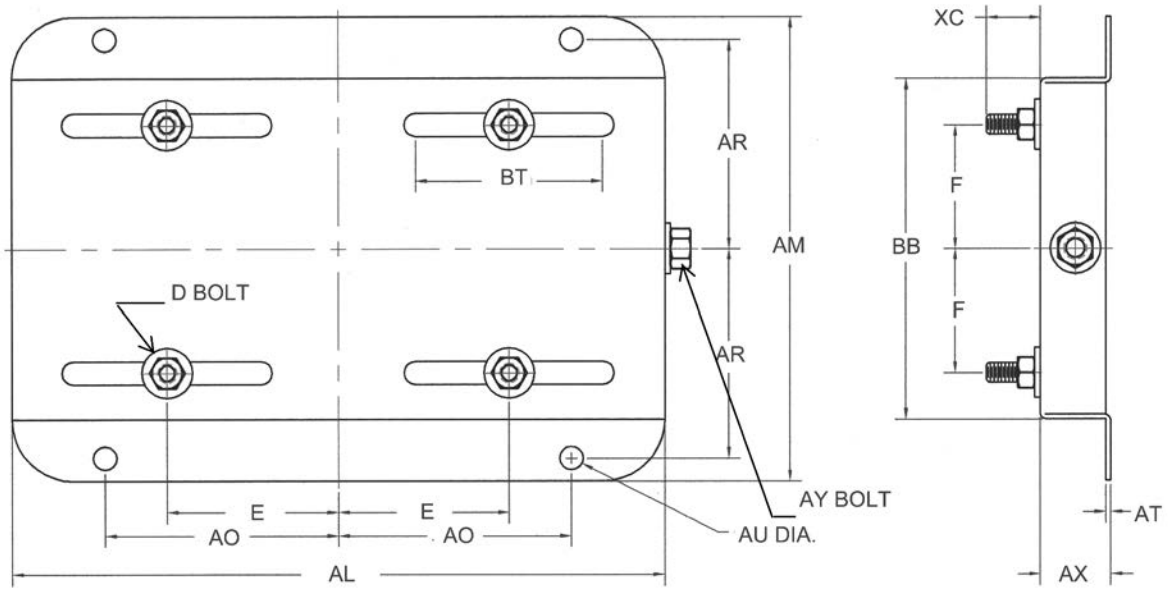


MaxMotion

Single Adjustment Motor Slide Bases
NEMA Frames 56 to 145T

Features:

- One piece formed base plate construction.
- Single bolt adjustment with push pull action.
- The mounting feet have clean rounded corners.
- Also available for DC motor frames.



FRAME & CAT. NO.	AL	AM	AX	BB	E	F	AO	AR	AU	BT	AT	XC	D BOLT	AY BOLT	APPROX. WT. (LBS)
56W	10-5/8	6-1/2	1-1/8	4-1/2	2-7/16	1-1/2	3-13/16	2-7/8	3/8	3	0.078	7/8	5/16x1	3/8x4	3
143W	10-1/2	7-1/2	1-1/8	5-1/2	2-3/4	2	3-3/4	3-3/8	3/8	3	0.119	13/16	5/16x1	3/8x4	5
145W	10-1/2	8-1/2	1-1/8	6-1/2	2-3/4	2-1/2	3-3/4	3-7/8	3/8	3	0.119	13/16	5/16x1	3/8x4	6

Also Available

Transition bases to convert from NEMA U frame to T Frame mounting.

CAT. NO	CONVERTS FROM	CONVERTS TO
1814T	182/184	143T/145T
2118T	213/215	182T/184T
25U21T	254U/256U	213T/215T
28U25T	284U/286U	254T/256T
32U28T	324U/326U	284T/286T
36U36T	364U/365U	324T/326T
40U36T	404U/405U	364T/365T
44U36T	444U/445U	364T/365T
44U40T	444U/445U	404T/405T

Automatic tensioning motor bases
To decrease shock load in severe applications such as rock crushers, vibration feeders, and screens.

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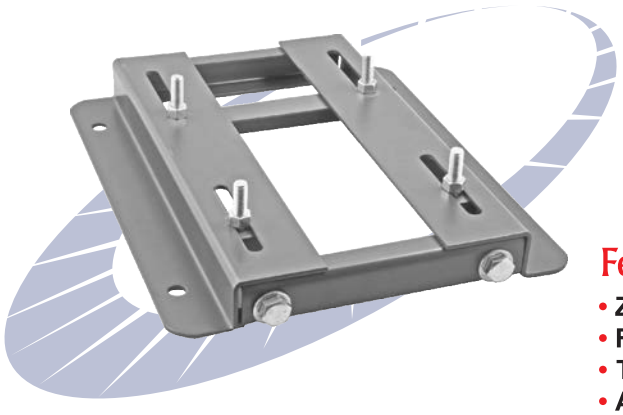
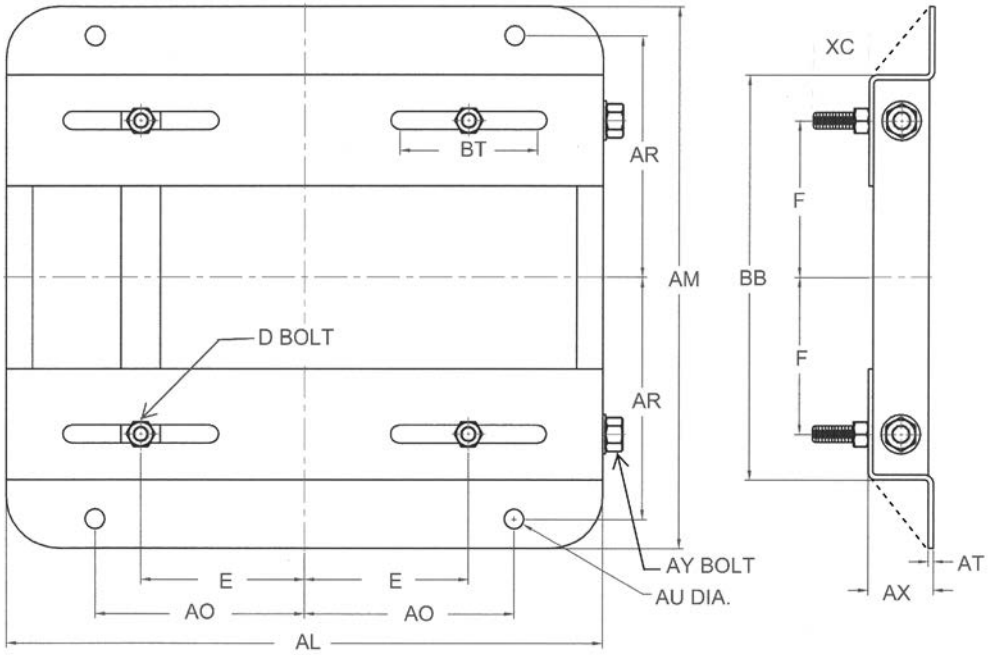


MaxMotion

Double Adjustment Motor Slide bases
NEMA Frames 182T to 449T

Features:

- Z bar construction, continuously welded into one rigid part.
- Frames 404T and larger have a reinforced gusseted construction.
- The mounting feet have clean rounded corners.
- Also available for DC motor frames.



FRAME & CAT.#	AL	AM	AX	BB	E	F	AO	AR	AU	BT	AT	XC	D BOLT	AY BOLT	APPROX. WT. (LBS)
182B2W	12-3/4	9-1/2	1-1/2	6-1/2	3-3/4	2-1/4	4-1/2	4-1/4	1/2	3	0.134	1-1/2	3/8x1-3/4	1/2x6	9
184B2W	12-3/4	10-1/2	1-1/2	7-1/2	3-3/4	2-3/4	4-1/2	4-3/4	1/2	3	0.134	1-1/2	3/8x1-3/4	1/2x6	9.5
213B2W	15	11	1-3/4	7-1/2	4-1/4	2-3/4	5-1/4	4-3/4	1/2	3-1/2	0.164	1-1/2	3/8x1-3/4	1/2x6	13.5
215B2W	15	12-1/2	1-3/4	9	4-1/4	3-1/2	5-1/4	5-1/2	1/2	3-1/2	0.164	1-1/2	3/8x1-3/4	1/2x6	15.5
254B2W	17-3/4	15-1/8	2	10-3/4	5	4-1/8	6-1/4	6-5/8	5/8	4	3/16	1-3/8	1/2x1-3/4	5/8x9	17
256B2W	17-3/4	16-7/8	2	12-1/2	5	5	6-1/4	7-1/2	5/8	4	3/16	1-3/8	1/2x1-3/4	5/8x9	18
284B2W	19-3/4	16-7/8	2	12-1/2	5-1/2	4-3/4	7	7-1/2	5/8	4-1/2	3/16	1-5/8	1/2x2	5/8x9	21
286B2W	19-3/4	18-3/8	2	14	5-1/2	5-1/2	7	8-1/4	5/8	4-1/2	3/16	1-5/8	1/2x2	5/8x9	22
324B2W	22-3/4	19-1/4	2-1/2	14	6-1/4	5-1/4	8	8-1/2	3/4	5-1/4	3/16	2-1/8	5/8x2-1/2	3/4x9	30
326B2W	22-3/4	20-3/4	2-1/2	15-1/2	6-1/4	6	8	9-1/4	3/4	5-1/4	3/16	2-1/8	5/8x2-1/2	3/4x9	31
364B2W	25-1/2	20-1/2	2-1/2	15-1/2	7	5-5/8	9	9-1/8	3/4	6	4/16	2	5/8x2-1/2	3/4x11	45
365B2W	25-1/2	21-1/2	2-1/2	16-1/2	7	6-1/8	9	9-5/8	3/4	6	1/4	2	5/8x2-1/2	3/4x11	46
404B2W	28-3/4	22-3/8	3	16-1/2	8	6-1/8	10	9-7/8	7/8	7	4/16	2-9/16	3/4x3	3/4x14	55
405B2W	28-3/4	23-7/8	3	18	8	6-7/8	10	10-5/8	7/8	7	1/4	2-9/16	3/4x3	3/4x14	56
444B2W	31-1/4	24-5/8	3	19-1/4	9	7-1/4	11	11	7/8	7-1/2	5/16	2-1/2	3/4x3	3/4x14	74
445B2W	31-1/4	26-5/8	3	21-1/4	9	8-1/4	11	12	7/8	7-1/2	5/16	2-1/2	3/4x3	3/4x14	75
447B2W	31-1/4	30-1/8	3	24-3/4	9	10	11	13-3/4	7/8	7-1/2	5/16	2-1/2	3/4x3	3/4x14	89
449B2W	31-1/4	35-1/8	3	29-3/4	9	12-1/2	11	16-1/4	7/8	7-1/2	5/16	2-1/2	3/4x3	3/4x14	95

Contact MEP for further details and additional special types available.

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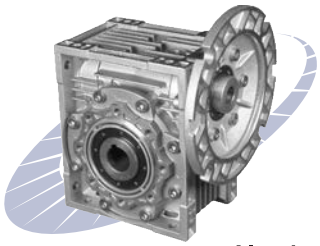

MaxMotion

RIGHT ANGLE SPEED REDUCER

FEATURES

- Aluminum alloy Housing with heat sink design.
- Two bearings on Input shaft.
- NEMA C Face input.
- Double-lip oil seals.
- O-rings on input and output covers.
- Hardened worm shaft.
- Standard hollow shaft output shaft design.
- Permanently sealed with synthetic lubrication.

BENEFITS

- Resists wash down & has higher thermal capacity.
- Allows true alignment & prevents oil leaks.
- Allows use of standard NEMA motors.
- Prevents leaks and avoids oil contamination.
- Seals better than paper gaskets.
- Increases durability over forged design.
- Plug-in solid shafts for greater mounting flexibility.
- Maintenance free, no breather or fill plugs.

WORM REDUCER RATINGS AT 1750 RPM INPUT

Model		Available Ratios											
		5	7.5	10	15	20	25	30	40	50	60	80	100
030	OUTPUT RPM	350	233	175	117	88	70	58	44	35	29	22	-
	MAX. INPUT HP	1.02	0.69	0.54	0.38	0.30	0.30	0.25	0.19	0.15	0.13	0.09	-
	O/P TORQUE in-lbs	159	159	159	159	159	186	177	159	150	142	115	-
040	OUTPUT RPM	350	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	1.88	1.51	1.16	0.80	0.61	0.50	0.53	0.39	0.31	0.25	0.19	0.15
	O/P TORQUE in-lbs	301	354	354	354	345	336	398	363	345	319	292	257
050	OUTPUT RPM	350	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	3.43	2.64	2.06	1.48	1.14	0.90	0.96	0.70	0.57	0.47	0.38	0.28
	O/P TORQUE in-lbs	549	628	637	655	646	619	743	672	646	602	575	487
063	OUTPUT RPM	-	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	-	4.77	3.67	2.76	2.05	1.64	1.77	1.27	1.01	0.86	0.66	0.57
	O/P TORQUE in-lbs	-	1133	1150	1239	1194	1150	1416	1283	1194	1150	1079	1044
075	OUTPUT RPM	-	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	-	6.81	5.45	3.86	3.15	2.46	2.48	1.88	1.50	1.26	0.97	0.80
	O/P TORQUE in-lbs	-	1637	1725	1770	1858	1770	2035	1947	1858	1770	1681	1593
090	OUTPUT RPM	-	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	-	10.56	8.56	6.86	5.19	4.08	4.31	2.95	2.32	1.90	1.39	1.12
	O/P TORQUE in-lbs	-	2566	2743	3185	3141	3008	3628	3185	3008	2831	2522	2389
110	OUTPUT RPM	-	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	-	17.48	14.36	10.86	8.10	6.90	6.53	4.81	3.93	3.19	2.25	1.79
	O/P TORQUE in-lbs	-	4247	4601	5043	4955	5220	5574	5397	5309	4955	4336	4070
130	OUTPUT RPM	-	233	175	117	88	70	58	44	35	29	22	18
	MAX. INPUT HP	-	27.01	22.64	17.33	13.00	10.88	10.65	8.27	6.42	5.12	3.79	2.84
	O/P TORQUE in-lbs	-	6636	7255	8140	8052	8229	9202	9290	8671	7963	7432	6548

Size		NEMA INPUT FLANGE AVAILABILITY											
030	48C	•	•	•	•	•	•	•	•	•	•	•	
040	56C	•	•	•	•	•	•	•	•	•	•	•	•
050	56C	•	•	•	•	•	•	•	•	•	•	•	•
063	56C					•	•	•	•	•	•	•	•
	140TC		•	•	•	•	•	•	•				
075	56C									•	•	•	•
	140TC				•	•	•	•	•	•			
	180TC		•	•	•								
090	56C											•	•
	140TC						•	•	•	•	•		
	180TC		•	•	•	•	•	•	•				
110	140TC									•	•	•	•
	180TC					•	•	•	•	•	•		
	210TC		•	•	•	•							
130	140TC											•	•
	180TC							•	•	•	•	•	
	210TC		•	•	•	•	•	•					

For further technical information and dimensions contact MEP

MEP

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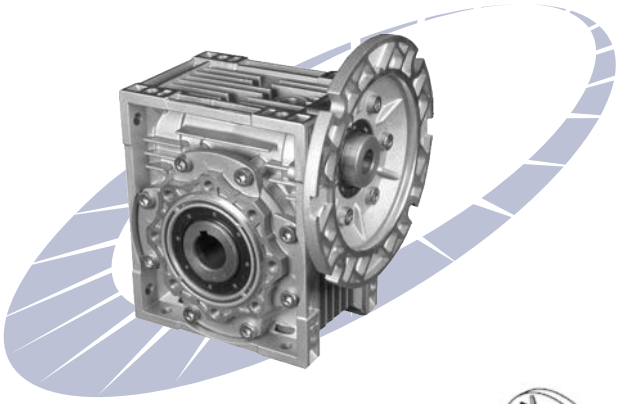
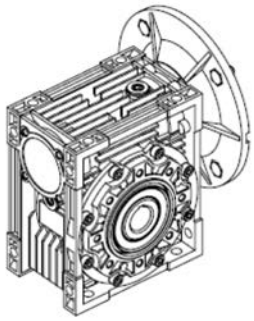


MaxMotion

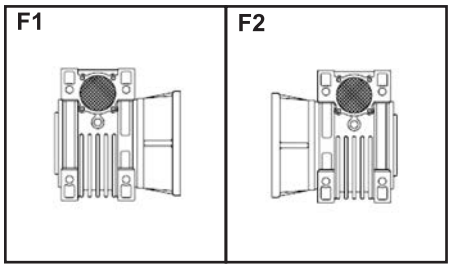
RIGHT ANGLE SPEED REDUCER

MOUNTING VERSIONS



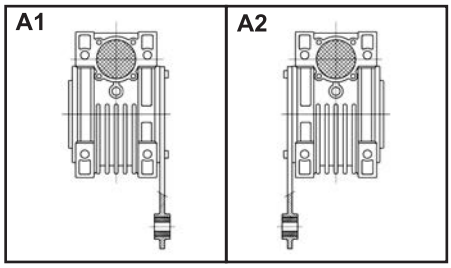
Standard Hollow Shaft reducer

- Mounting feet on 3 surfaces for universal mounting.
- Machined mounting faces on both output sides with tapped mounting holes.



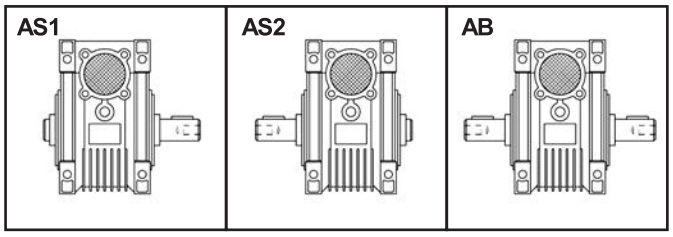
Bolt-On Output Flange Adaptor

- Bolts on to reducer machined face.
- Used with hollow or solid shaft.



Bolt-On Torque Arm

- Bolts on to reducer machined face.
- C/W With flexible rubber bushing.



Solid Single & Double Output Shafts

- Plug into standard hollow shaft.
- Easy field installation.

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Comparison's of Epact and Premium Efficiency's

NEMA		Efficiency	
HP	RPM	Epact	Premium
1	3600	77%	77%
	1800	82.5%	85.5%
	1200	80%	82.5%
1.5	3600	82.5%	84.0%
	1800	84%	86.5%
	1200	85.5%	87.5%
2	3600	84%	85.5%
	1800	84%	86.5%
	1200	86.5%	88.5%
3	3600	85.5%	86.5%
	1800	87.5%	89.5%
	1200	87.5%	89.5%
5	3600	87.5%	88.5%
	1800	87.5%	89.5%
	1200	87.5%	89.5%
7.5	3600	88.5%	89.5%
	1800	89.5%	91.7%
	1200	89.5%	91.0%
10	3600	89.5%	90.2%
	1800	89.5%	91.7%
	1200	89.5%	91.0%
15	3600	90.2%	91.0%
	1800	91%	92.4%
	1200	90.2%	91.7%
20	3600	90.2%	91.0%
	1800	91%	93.0%
	1200	90.2%	91.7%
25	3600	91%	92%
	1800	92.4%	93.6%
	1200	91.7%	93.0%

NEMA		Efficiency	
HP	RPM	Epact	Premium
30	3600	91%	91.7%
	1800	92.4%	93.6%
	1200	91.7%	93.0%
40	3600	91.7%	92.4%
	1800	93%	94.1%
	1200	93%	94.1%
50	3600	92.4%	93.0%
	1800	93%	94.5%
	1200	93%	94.1%
60	3600	93%	93.6%
	1800	93.6%	95.0%
	1200	93.6%	94.5%
75	3600	93%	93.6%
	1800	94.1%	95.4%
	1200	93.6%	94.5%
100	3600	93.6%	94.1%
	1800	94.5%	95.4%
	1200	94.1%	95.0%
125	3600	94.5%	95.0%
	1800	94.5%	95.4%
	1200	94.1%	95.0%
150	3600	94.5%	95.0%
	1800	95%	95.8%
	1200	95%	95.8%
200	3600	95%	95.4%
	1800	95%	96.2%
	1200	95%	95.8%
250	3600	95.4%	95.8%
	1800	95%	96.2%
300	3600	95%	95.8%
300	1800	n/a	96.2%

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Stock

Service

Expertise

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