



# MaxMotion

Electric Motors Catalogue 2015



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# MaxMotion

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 gear motors, 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.



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# MaxMotion

**NEW PRODUCT  
AVAILABLE SUMMER 2015**

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

## **Applications:**

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

## **Features:**

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

# NEW PRODUCT AVAILABLE SUMMER 2015

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

### MaxMotion Premium Aluminum\*

HP	CATALOGUE NUMBER MPA = 575 MQA = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
1	1	3515	143T	3.5	1.75	15	1.40	12	0.77	M	33	6205	6205	12.6	\$459
	2	1745	143T	3	1.5	15	1.2	12	85.50	M	38	6205	6205	12.6	\$540
	3	1160	145T	3.6	1.8	15	1.44	12	82.50	M	43	6205	6205	12.6	\$663
1.5	6	3520	143T	4	2	20	1.6	16	84.00	M	40	6205	6205	13.6	\$527
	7	1750	145T	4.4	2.2	20	1.8	16	86.50	M	45	6025	6025	13.6	\$622
	8	1175	182T	4.8	2.4	20	1.9	16	87.50	M	82	6306	6306	16.1	\$894
2	11	3510	145T	5.3	2.65	25	2.05	20	85.50	L	43	6205	6205	13.6	\$560
	12	1745	145T	6.2	3.1	25	2.4	20	86.50	L	50	6205	6205	13.6	\$641
	13	1180	184T	2.95	2.85	25	2.4	20	88.50	L	91	6306	6306	17.1	\$994
3	16S	3485	145T	8	4	32	3.2	26	86.5	K	58	6308	6306	15.1	\$818
	16	3520	182T	7.4	3.7	32	3	26	86.50	K	77	6306	6306	17.1	\$818
	17	1760	182T	7.6	3.8	32	3	26	89.50	K	85	6306	6306	17.1	\$881
	18	1185	213T	8.4	4.2	32	3.4	26	89.50	K	122	6308	6308	18.9	\$1,183
5	21	3515	184T	11.6	5.8	46	4.6	37	88.50	J	98	6306	6306	17.1	\$1,007
	22	1755	184T	13.6	6.8	46	5.4	37	89.50	J	102	6306	6306	17.1	\$1,038
	23	1180	215T	14.2	7.1	46	5.68	37	89.50	J	148	6308	6308	20.4	\$1,499
7.5	26S	3505	184T	17.6	8.8	63	7	50	89.5	H	119	6208	6306	18.9	\$1,290
	26	3530	213T	17.6	8.8	63	7	50	89.50	H	132	6308	6308	18.9	\$1,447
	27	1170	213T	18.4	9.2	63	7.4	50	91.70	H	138	6308	6308	18.9	\$1,573
10	31	3525	215T	22.8	11.4	81	9.1	65	90.20	H	150	6308	6308	20.4	\$1,634
	32	1770	215T	24	12	81	9.6	65	91.70	H	158	6308	6308	20.4	\$1,701
15	36S	3545	215T	34.4	17.2	116	13.8	93	91	G	175	6309	6308	23.2	\$2,204

\*Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**MMP**  
Multiplicateur



# MaxMotion

## 1HP to 300HP NEMA Design B Premium Efficient NEMA 12-12 TEFC Motors Cast Iron Construction

### Applications:

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

### Features:

- **Design** - NEMA standard MG-1, Design B Meets MG-1 Part 31
- **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 Enamel coated Corona resistant inverter duty magnet wire. VPI with additional dip and bake.
- **Insulation** - Non hygroscopic Class F with Class B temperature rise.
- **Voltage and Frequency Variation** - +/- 10% Voltage (-5@208V & 416V, and +5%@480V and +/- frequency)
- **Bearings** - 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.





# MaxMotion

**1HP to 250HP NEMA Design C EPACT  
Efficiency NEMA 12-11 TEFC Motors  
Cast Iron Construction**

## Applications:

General purpose use on conveyors, compressors, pumps, fans, blowers and other industrial and process machinery working in wet and dirty environments. Max Motion 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 Meets MG-1 Part 31
- **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 (-5@208V & 416V, and +5%@480V and +/- frequency)
- **Windings** - Highest Quality Enamel coated Corona resistant inverter duty magnet wire. VPI with additional dip and bake.
- **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 10:1 constant torque and 20:1 variable torque.
- **Nameplate** - Corrosion resistant stainless steel showing all data, connection diagrams and certifications.
- **Drain Plugs** - Located at the lowest point of each end bracket.
- **Warranty** - 30 months from installation or 36 months from shipment whichever is first.



# 1HP to 250HP NEMA Design C EPACT Efficiency NEMA 12-11 TEFC Motors Cast Iron Construction

## Max Motion Series NEMA EPACT Efficient Performance Data\*

HP	CATALOGUE NUMBER MPC = 575 MQC = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
1	2W	1740	143T	3.3	1.65	15	1.32	12	82.5	M	40	6205	6205	12.6	\$342
	3W	1155	145T	3.6	1.8	15	1.44	12	80	M	48	6205	6205	12.6	\$435
1.5	7W	1740	145T	4.4	2.2	20	1.76	16	84	M	48	6205	6205	13.6	\$397
	8W	1165	182T	5	2.5	20	2	16	85.5	M	85	6306	6306	16.1	\$655
2	12W	1720	145T	5.6	2.8	25	2.24	20	84	L	51	6205	6205	13.6	\$426
	13W	1170	184T	6.2	3.1	25	2.48	20	86.5	L	93	6205	6205	17.1	\$708
3	17W	1760	182T	9.2	4.6	32	3.7	26	87.5	K	89	6306	6306	17.1	\$705
	18W	1170	213T	8.8	4.4	32	3.52	26	87.5	K	136	6308	6308	18.9	\$1,007
5	22W	1760	184T	14.4	7.2	46	5.8	37	87.5	J	101	6306	6306	17.1	\$786
	23W	1170	215T	14.2	7.1	46	5.68	37	87.5	J	162	6308	6308	20.1	\$1,240
7.5	27W	1765	213T	21	10.5	63	8.4	50	89.5	H	136	6308	6308	18.9	\$1,164
	28W	1170	254T	20.6	10.3	63	8.24	50	89.5	H	249	6309	6309	25	\$1,762
10	32W	1760	215T	29	14.5	81	11.5	65	89.5	H	160	6308	6308	20.4	\$1,309
	33W	1170	256T	26.8	13.4	81	10.7	65	89.5	G	274	6309	6309	25	\$1,888
15	37W	1760	254T	36.4	18.2	116	14.6	93	91	G	270	6309	6309	25	\$2,013
	38W	1175	284T	37.4	18.7	116	14.9	93	90.2	G	350	6311	6311	28	\$2,643
20	42W	1750	256T	48.4	24.2	145	19.4	116	91	G	306	6309	6309	25	\$2,213
	43W	1175	284TS	49.8	24.9	145	19.9	116	90.2	G	372	6311	6311	28.1	\$2,932
25	47W	1765	284T	60	30	182	24	146	92.4	G	372	6311	6311	28.1	\$3,020
	48W	1180	324T	60.4	30.2	182	24.1	146	91.7	G	508	6312	6312	31.1	\$3,319
30	52W	1760	286T	70.6	35.3	217	28.2	174	92.4	G	387	6311	6311	28.1	\$3,206
	53W	1180	362T	73	36.5	217	29.2	174	91.7	G	519	6312	6312	31.3	\$3,880
40	57W	1770	324T	93.2	46.6	290	37.3	232	93	G	521	6312	6312	31.3	\$3,964
	58W	1180	364T	94	47	290	37.6	232	93	G	697	6313	6313	33.5	\$5,528
50	62W	1770	326T	116.6	58.3	362	46.6	290	93	G	585	6312	6312	31.3	\$4,478
	63W	1180	365T	116	58	362	46.4	290	93	G	752	6313	6313	33.5	\$6,371
60	67W	1780	364T	140	70	435	56	348	93.6	G	730	6313	6313	33.5	\$5,892
	68W	1180	404T	136	68	435	54.4	348	93.6	G	950	NU315	6314	38.2	\$7,809
75	72W	1780	365T	177.2	88.6	542	70.9	434	94.1	G	774	6313	6313	33.5	\$6,531
	73W	1180	405T	168	84	542	67.2	434	93.6	G	1078	NI315	6314	38.2	\$8,990
100	77W	1063	405T	227	113.5	725	90.8	580	94.5	G	1063	NU315	6314	38.2	\$10,197
	78W	1180	444T	226	113	725	90.4	580	94.1	G	1315	NU319	6318	44.3	\$14,134
125	82W	1780	444T		147	907	117.6	726	94.5	G	1364	NU319	6318	44.3	\$11,501
	83W	1180	445T		141	907	112.8	726	94.1	G	1143	NU319	6318	47.8	\$14,943
150	87W	1780	445T		171	1085	136.8	868	95	G	1694	NU319	6318	47.8	\$14,103
	88W	1180	447T		165	1085	132	868	95	G	1678	NU319	6318	47.8	\$17,402
200	97W	1780	447T		218	1450	174.4	1160	95	G	1782	NU319	6318	47.8	\$16,741
	98W	1180	449T		220	1450	176	1160	95	G	2024	NU319	6318	52.8	\$19,200
250	102W	1790	449T		275	1825	220	1460	95	G	2450	NU319	6318	52.8	\$18,680
300	107W	1790	449T		330	2200	264	1760	95.4	G	3200	NU319	6318	52.8	\$25,873

\*Other performance data is available upon request from MEP





# MaxMotion

**1HP to 350HP NEMA Design B Premium  
Efficient NEMA 12-12 ODP Motors  
Rolled Steel 140-210T  
Cast Iron 250T & Larger**

## **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 Meets MG-1 Part 31
- **Agency listings and standard** - NEMA, IEEE, CSA, CSAus, IEC, CE, NRCan
- **Service Factor** 1.15
- **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 Enamel coated Corona resistant inverter duty magnet wire. VPI with additional dip and bake.
- **Insulation** - Non hygroscopic class F with class B temperature rise
- **Voltage and frequency variation** - +/- 10% Voltage (-5@208V & 416V, and +5%@480V and +/- frequency)
- **Bearings** - 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.
- **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 application at 230V, 460V and 575V for speed ranges of 10:1 constant torque and 20:1 variable torque.
- **Nameplate** - Corrosion resistant stainless steel showing all data connection diagrams and certifications.
- **Drain plugs** - Located at the lowest point of each end bracket.
- **Warranty** - 30 months from installation or 36 months from shipment whichever is first.

# 1HP to 350HP NEMA Design B Premium Efficient NEMA 12-12 ODP Motors

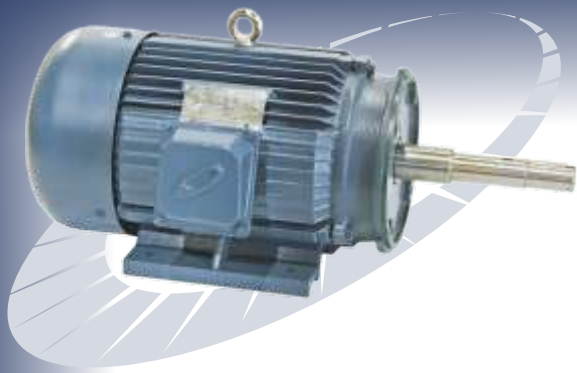
## Rolled Steel 140-210T, Cast Iron 250T & Larger

HP	CATALOGUE NUMBER MPOP = 575 MQOP = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R. 575V	EFF. %	CODE					
1	2	1755	143T	3.2	1.6	15	1.3	12	85.5	M	47	6205	6205	11.2	\$452
	3	1170	145T	3.4	1.7	12	1.4	12	82.5	M	52	6205	6205	12	\$499
1.5	6	3510	143T	4	2	20	1.6	16	84	M	46	6205	6205	11.2	\$461
	7	1755	145T	4.6	2.3	20	1.9	16	86.5	M	55	6205	6205	12	\$483
2	8	1175	182T	4.8	2.4	20	1.9	16	86.5	M	95	6206	6206	14.1	\$695
	11	3515	145T	5.2	2.6	25	2.1	20	85.5	L	52	6205	6205	12	\$480
2	12	1750	145T	6	3	25	2.4	20	86.5	L	56	6206	6206	12	\$515
	13	1180	184T	6	3	25	2.4	20	87.5	L	103	6206	6206	14.9	\$789
3	16	3500	145T	7.4	3.7	32	3	26	85.5	K	90	6205	6205	12	\$594
	17	1770	182T	8.2	4.1	32	3.3	26	89.5	K	97	6206	6206	14.1	\$758
3	18	1180	213T	8.6	4.3	32	3.4	26	88.5	K	136	6208	6208	16.5	\$985
	21	3520	182T	12.4	6.2	46	5	37	86.5	J	110	6206	6206	14.1	\$840
5	22	1770	184T	13.4	6.7	46	5.4	37	89.5	J	112	6206	6206	14.9	\$897
	23	1180	215T	14	7	46	5.6	37	89.5	J	162	6208	6208	17.5	\$1,288
7.5	26	3520	184T	17.6	8.8	63	7	50	88.5	H	145	6206	6206	14.9	\$1,035
	27	1770	213T	19.2	9.6	63	7.7	50	91	H	150	6208	6208	16.5	\$1,294
7.5	28	1175	254T	20.8	10.8	63	8.3	50	90.2	H	272	6309	6309	22.1	\$1,931
	31	3545	213T	25.6	12.8	81	10.2	65	89.5	H	167	6208	6208	16.5	\$1,357
10	32	1775	215T	26	13	81	10.5	65	91.7	H	167	6208	6208	17.5	\$1,420
	33	1175	256T	27	13.5	81	10.8	65	91.7	H	293	6309	6309	22.1	\$2,083
15	36	3545	215T	38	19	116	15.5	93	90.2	G	286	6208	6208	17.5	\$1,830
	37	1765	254T	36	18	116	14.4	93	93	G	297	6309	6309	22.1	\$2,304
15	38	1180	284T	40	20	116	16	63	91.7	G	363	6311	6311	23.4	\$2,872
	41	3530	254T	46	23	145	18.5	116	91	G	315	6309	6309	22.1	\$2,272
20	42	1765	256T	48	24	145	19.2	116	93	G	315	6309	6309	22.1	\$2,619
	43	1180	286T	52	26	145	21	116	93	G	394	6311	6311	24.8	\$3,092
25	46	3540	256T	57	28.5	182	23	146	91.7	G	385	6309	6309	22.1	\$2,575
	47	1775	284T	60	30	182	24	146	93.6	G	392	6311	6311	23.4	\$3,029
25	48	1185	324T	64	32	182	26	146	93	G	508	6312	6312	25.7	\$3,881
	51	3545	284TS	70	35	217	28	174	91.7	G	409	6311	6311	23.4	\$3,061
30	52	1775	286T	70	35	217	28	174	94.1	G	418	6311	6311	24.8	\$3,502
	53	1185	326T	76	38	217	30.5	174	93.6	G	537	6312	6312	27.2	\$4,291
40	56	3545	286TS	90	45	290	26	174	92.4	G	510	6311	6311	24.8	\$3,345
	57	1780	324T	96	48	290	26	174	94.1	G	519	6312	6312	25.7	\$4,354
40	58	1180	364T	100	50	290	40	174	94.1	G	697	6313	6313	29.3	\$5,907
	61	3545	324TS	110	55	362	44	290	93	G	548	6312	6312	25.7	\$4,102
50	62	1778	326T	118	59	362	48	290	94.5	G	594	6312	6312	27.2	\$4,796
	63	1185	365T	126	63	362	50	290	94.1	G	752	6313	6313	29.3	\$6,121
60	66	3550	326TS	132	66	435	52.8	348	93.6	G	704	6312	6312	25.7	\$5,175
	67	1780	364T	140	70	435	56	348	95	G	766	6313	6313	29.3	\$5,774
60	68	1190	405T	140	70	435	56	348	94.4	G	1000	NU318	6318	33.5	\$7,888
	71	3565	364TS	166	83	542	67	434	93.6	G	766	6313	6313	27.2	\$6,247
75	72	1780	365T	174	87	542	70	434	95	G	783	6313	6313	29.3	\$6,500
	73	1190	405T	174	87	542	70	434	94.5	G	1120	NU318	6318	33.5	\$8,708
100	76	3570	365TS	222	112	725	90	580	93.6	G	1040	6313	6313	27.2	\$6,878
	77	1785	404T	224	112	725	90	580	95.4	G	1058	6318	6314	33.5	\$9,150
100	78	1190	444T		117	725	94	580	95	G	1320	NU319	6318	39.8	\$11,989
	81	3575	404T		138	907	110	726	94.1	G	1247	6314	6314	30.5	\$8,708
125	82	1785	405T		141	907	110	726	95.4	G	1342	6318	6314	33.5	\$9,970
	83	1190	445T		146	907	118	726	95	G	1400	NU318	6318	39.8	\$14,387
150	86	3575	405T		166	1085	132	868	94.1	G	1408	6314	6314	30.5	\$11,043
	87	1790	444T		167	1085	134	868	95.8	G	1672	NU318	6318	39.8	\$14,387
150	88	1190	447T		173	1085	138	868	95.4	G	1800	NU318	6318	39.2	\$14,513
	96	3575	444TS		219	1450	175	1160	95	G	1584	6314	6314	36	\$14,955
200	97	1790	445T		220	1450	176	1160	95.8	G	1782	NU318	6318	39.8	\$15,649
	98	1190	449T		230	1450	185	1160	95.4	G	2100	NU318	6318	44.2	\$18,615
250	101	3575	445TS		270	1825	216	1460	95	G	1870	6314	6314	36	\$16,911
	102	1790	447T		280	1825	224	1460	95.8	G	2150	NU318	6318	39.8	\$18,930
300	106	3580	447TS		322	2200	258	1760	95.4	G	2002	6314	6314	39.1	\$19,561
	107	1790	449T		335	2200	260	1760	95.8	G	2220	NU318	6318	44.2	\$23,978
350	111	3580	449TS		373	2550	299	2040	95.4	G	2500	6314	6314	44.2	\$26,502

\*Other performance data is available upon request from MEP

List prices subject to change.





# Max Motion

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

## 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 Meets MG-1 Part 31
- **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 (-5@208V & 416V, and +5%@480V and +/- frequency)
- **Windings** - Highest Quality Enamel coated Corona resistant inverter duty magnet wire. VPI with additional dip and bake.
- **Bearings** - 143T to 215T are double sealed and grease filled, 254T and larger are regreaseable 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 10:1 constant torque and 20:1 variable torque.
- **Nameplate** - Corrosion resistant stainless steel showing all data, connection diagrams and certifications.
- **Drain Plugs** - Located at the lowest point of each end bracket.
- **Warranty** - 30 months from installation or 36 months from shipment whichever is first.

# 1HP to 50HP JM & JP Epact Efficiency NEMA 12-11 Close Coupled Motors, Cast Iron Construction

## MaxMotion JM Series NEMA Close Coupled High Efficiency Performance Data\*

HP	CATALOGUE NUMBER JMP = 575 JMQ = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
1	2	1740	143JM	3.3	1.65	15	1.32	12	82.5	M	40	6205	6205	15.2	\$346
1.5	7	1740	145JM	4.4	2.2	20	1.76	16	84	M	48	6205	6205	16.2	\$398
2	11	3500	145JM	5.4	2.7	25	2.16	20	84	L	46	6206	6205	16.2	\$406
	12	1720	145JM	5.6	2.8	25	2.24	20	84	L	51	6206	6205	16.2	\$427
3	16S	3480	145JM	8.2	4.1	32	3.3	26	85.5	K	88	6206	6205	16.2	\$622
	16	6308	182JM	7.4	3.7	32	2.96	26	85.5	K	88	6308	6306	17.5	\$622
	17	1745	182JM	8	4	32	3.2	26	87.5	K	89	6208	6305	17.5	\$676
5	21	3500	184JM	12	6	46	4.8	37	87.5	J	101	6208	6306	18.5	\$742
	22	1745	184JM	13	6.5	46	5.2	37	87.5	J	101	6208	6306	18.5	\$784
7.5	26S	3500	184JM	17.6	8.8	63	7.04	50	88.5	H	101	6309	6308	18.5	\$1,070
	26	3510	213JM	17.6	8.8	63	7.04	50	88.5	H	136	6309	6308	20.8	\$1,070
	27	1750	213JM	18.4	9.2	63	7.4	50	89.5	H	136	6309	6308	20.8	\$1,096
10	31	3500	215JM	23	11.5	81	9.2	65	89.5	H	152	6309	6308	22.3	\$1,147
	32	1750	215JM	24	12	81	9.6	65	89.5	H	160	6309	6308	22.3	\$1,220
15	36S	3510	215JM	35	17.5	116	14	93	90.2	G	162	6309	6308	22.3	\$1,993
	36	3540	254JM	35	17.5	116	14	93	90.2	G	253	6309	6309	26.2	\$1,993
	37	1760	254JM	36.4	18.2	116	14.6	93	91	G	270	6309	6309	24.7	\$1,866
20	41	3520	256JM	45	22.5	145	18	116	90.2	G	304	63609	6309	26.5	\$2,154
	42	1750	256JM	48.4	24.2	145	19.4	116	91	G	306	6309	6309	26.5	\$2,183
25	46S	3535	256JM	56	28	182	22.4	146	91	G	365	6311	6311	26.5	\$2,264
	46	3535	284JM	56	28	182	22.4	146	91	G	385	6311	6311	27.5	\$2,812
	47	1765	284JM	60	30	182	24	146	92.4	G	372	6311	6311	29.1	\$2,888
30	51	3540	286JM	67.4	33.7	217	26.9	174	91	G	387	6311	6311	29.1	\$3,021
	52	1760	286JM	70.6	35.3	217	28.2	147	92.4	G	387	6311	6311	29.1	\$3,158
40	56S	3540	286JM	90	45	290	36	232	91.7	G	435	6311	6311	29.1	\$3,019
	56	3540	324JM	89	44.5	290	36	232	91.7	G	435	6311	6311	30	\$3,756
	57	1770	324JM	93.2	46.6	290	37.3	232	93	G	521	6312	6312	30	\$3,749
50	61	3545	326JM	110	55	362	44	290	92.4	G	532	6312	6312	31.5	\$4,430

\* Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**JME**  
Multiplicateur

## MaxMotion JP Series NEMA Close Coupled High Efficiency Performance Data\*

HP	CATALOGUE NUMBER JPP = 575 JPQ = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
2	12	1720	145JP	5.6	2.8	25	2.24	20	84	L	51	6206	6205	19.3	\$427
3	17	1745	182JP	8	4	32	3.2	26	87.5	K	89	6208	6306	20.5	\$676
5	22	1745	184JP	13	6.5	46	5.2	37	87.5	J	101	6208	6306	21.5	\$784
7.5	27	1750	213JP	18.4	9.2	63	7.4	50	89.5	H	136	6309	6308	24.7	\$1,096
10	32	1750	215JP	24	12	81	9.6	65	89.5	H	160	6309	6308	26.2	\$1,220
15	36S	3510	215JP	35	17.5	116	14	93	90.2	G	162	6309	6308	24.7	\$2,019
	36	3540	254JP	35	17.5	116	14	93	90.2	G	253	6309	6309	27.6	\$2,019

\* Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**JME**  
Multiplicateur



# MaxMotion

**1HP to 50HP JM & JP Premium Efficiency,  
NEMA 12-12 Closed Coupled Pump Motors  
Cast Iron Construction**

## **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 Meets 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 +/- 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.

# 1HP to 50HP JM & JP Premium Efficiency, NEMA 12-12 Closed Coupled Pump Motors, Cast Iron Construction

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

HP	CATALOGUE NUMBER JMPP = 575 JMQP = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
1	2	1745	143JM	3	1.5	15	1.20	12	85.5	M	47	6206	6205	12.6	\$535
	3	1160	145JM	3.6	1.8	15	1.44	12	82.5	M	52	6205	6205	13.6	\$610
1.5	7	1750	145JM	4.4	2.2	20	1.8	16	86.5	M	55	6206	6205	13.6	\$614
	8	1175	182JM	4.8	2.4	20	1.9	16	87.5	M	95	6306	6306	15.1	\$850
2	11	3510	145JM	5.3	2.65	25	2.05	20	85	L	52	6206	6205	13.6	\$554
	12	1745	145JM	6.2	3.1	25	2.4	20	86.5	L	56	6206	6205	13.6	\$632
	13	1180	184JM	2.95	2.85	25	2.4	20	88.5	L	103	6306	6306	16.1	\$938
3	16S	3485	145JM	8	4	32	3.2	26	86.5	K	90	6308	6306	15.1	\$755
	16	3520	182JM	7.4	3.7	32	3	26	86.5	K	90	6308	6306	15.1	\$786
	17	1760	182JM	7.6	3.8	32	3	26	89.5	K	97	6208	6306	15.1	\$881
	18	1185	213JM	8.4	4.2	32	3.4	26	89.5	K	136	6308	6308	19.9	\$1,135
5	21	3515	184JM	11.6	5.8	46	4.6	37	88.5	J	110	6208	6306	16.1	\$1,038
	22	1755	184JM	13.6	6.8	46	5.4	37	89.5	J	112	6208	6306	16.1	\$1,027
	23	1180	215JM	14.2	7.1	46	5.68	37	89.5	J	162	6308	6308	20.4	\$1,375
7.5	26S	3505	184JM	17.6	8.8	63	7	50	89.5	H	134	6208	6306	18.9	\$1,290
	26	3530	213JM	17.6	8.8	63	7	50	89.5	H	145	6309	6308	19.9	\$1,447
	27	1770	213JM	18.4	9.2	63	7.4	50	91.7	H	150	6309	9308	18.9	\$1,606
	28	1185	254JM	19.6	9.8	63	7.8	50	91	H	272	6309	6309	23.2	\$2,228
10	31	3525	215JM	22.8	11.4	81	9.1	65	90.2	H	167	6309	6308	20.4	\$1,604
	31	3525	215JP	22.8	11.4	81	9.1	65	90.2	H	167	6309	6308	20.4	\$1,604
	32	1770	215JM	24	12	81	9.6	65	91.7	H	167	6309	6308	20.4	\$1,665
	33	1180	256JM	25.6	12.8	81	10.2	65	91	H	293	6309	6309	25	\$2,499
15	36S	3510	215JM	34.4	17.2	116	13.8	93	91	G	162	6309	6308	23.2	\$2,390
	36	3545	254JM	34.4	17.2	116	13.8	93	91	G	286	6309	6309	23.2	\$2,390
	37	1770	254JM	36.4	18.2	116	14.6	93	92.4	G	297	6309	6309	23.2	\$2,593
	38	1180	284JM	38	19	116	15.2	93	91.7	G	363	6311	6311	26.6	\$3,339
20	41	3540	256JM	46	23	145	18.4	116	91	G	315	6309	6309	25	\$2,837
	42	6309	256JM	48.4	24.2	145	19.1	116	93	G	315	6309	6309	25	\$2,912
25	46S	3540	256JM	55	27.5	182	22	146	91.7	G	365	6309	6309	25.2	\$3,522
	46	3540	284JM	57	28.5	182	22.8	146	91.7	G	385	6311	6311	25.2	\$3,662
	47	1775	284JM	60	30	182	24	146	93.6	G	392	6311	6311	26.6	\$3,663
30	51	3530	286JM	69	34.5	217	27.6	174	91.7	G	409	6311	6311	26.7	\$3,522
	52	1775	286JM	70.6	35.3	217	28.2	174	93.6	G	418	6311	6311	28.1	\$3,850
40	56S	3545	286JM	90	45	290	36	232	3545	G	455	6311	6311	28.3	\$4,779
	56	3545	324JM	91	45.5	290	36.4	232	92.4	G	510	6312	6312	28.3	\$5,075
	57	1780	324JM	93.2	46.6	290	37.3	232	94.1	G	519	6312	6312	29.8	\$5,009
50	61	3545	356JM	116.2	58.1	362	46.4	290	93	G	548	6312	6312	29.8	\$5,811

\* Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**JMP**  
Multiplicateur

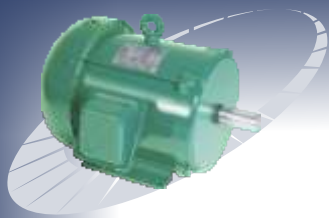
## MaxMotion JP Series NEMA Close Coupled High Efficiency Performance Data\*

HP	CATALOGUE NUMBER JPPP = 575 JPQP = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
2	12	1745	145JP	6.2	3.1	25	2.4	20	86.5	L	56	6206	6205	13.6	\$632
3	17	1760	182JP	7.6	3.8	32	3	26	89.5	K	97	6208	6306	15.1	\$881
5	22	1755	184JP	13.6	6.8	46	5.4	37	89.5	J	112	6208	6306	16.1	\$1,027
7.5	27	1770	231JP	18.4	9.2	63	7.4	50	91.7	H	150	6309	6308	18.9	\$1,606
10	32	1170	215JP	24	12	81	9.6	65	91.7	H	167	6309	6308	20.4	\$1,665
15	36S	3510	215JP	34.4	17.2	116	13.8	93	91	G	162	6309	6309	23.2	\$2,390
	36	3545	254JP	34.4	17.2	116	13.8	93	91	G	286	6309	6309	23.2	\$2,541

\* Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**JMP**  
Multiplicateur



# MaxMotion

## 1HP 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%
- **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	LIST PRICE
						Voltage	FLA	LRA	Eff.	CODE				
1	MQRP-2	1800	143T	1.15	F	208-230/460V	3.0/1.5	16	85.5	P	45	6205/6203	13.8	\$610
	MPRP-2	1800	143T	1.15	F	575V	1.25	13	85.5	P	45	6205/6203	13.8	\$610
	MQRP-3	1200	145T	1.15	F	208-230/460V	3.8/1.9	16	82.5	P	45	6205/6203	13.8	\$643
	MPRP-3	1200	145T	1.15	F	575V	1.52	13	82.5	P	45	6205/6203	13.8	\$643
1.5	MQRP-6	3600	145T	1.15	F	208-230/460V	4.2/2.1	20	84	M	42	6205/6203	13.8	\$537
	MPRP-6	3600	143T	1.15	F	575V	1.6	16	84	M	42	6205/6203	13.8	\$537
	MQRP-7	1800	145T	1.15	F	208-230/460V	5.7/2.85	21.5	86.5	N	52	6205/6203	13.8	\$637
	MPRP-7	1800	145T	1.15	F	575V	2.4	17.5	86.5	N	52	6205/6203	13.8	\$637
	MQRP-8	1200	182T	1.15	F	208-230/460V	4.8/2.4	21.5	87.5	N	79	6206/6206	15.8	\$976
	MPRP-8	1200	182T	1.15	F	575V	2	17.5	87.5	N	79	6206/6206	15.8	\$976
2	MQRP-11	3600	145T	1.15	F	208-230/460V	5.0/2.5	25	85.5	L	46	6205/6203	13.8	\$580
	MPRP-11	3600	145T	1.15	F	575V	2.1	20	85.5	L	46	6205/6203	13.8	\$580
	MQRP-12	1800	145T	1.15	F	208-230/460V	6.0/3.0	27	86.5	M	56	6205/6203	13.8	\$656
	MPRP-12	1800	145T	1.15	F	575V	2.4	22	86.5	M	56	6205/6203	13.8	\$656
	MQRP-13	1200	184T	1.15	F	208-230/460V	6.2/3.1	27	88.5	M	87	6206/6206	15.8	\$994
	MPRP-13	1200	184T	1.15	F	575V	2.48	22	88.5	M	87	6206/6206	15.8	\$994
3	MQRP-16	3600	182T	1.15	F	208-230/460V	7.6/3.8	32	86.5	K	78	6206/6206	15.8	\$934
	MPRP-16	3600	182T	1.15	F	575V	3	26	86.5	K	78	6206/6206	15.8	\$934
	MQRP-17	1800	182T	1.15	F	208-230/460V	8.0/4.0	34.5	89.5	L	93	6206/6206	15.8	\$950
	MPRP-17	1800	182T	1.15	F	575V	3.2	28	89.5	L	93	6206/6206	15.8	\$950
	MQRP-18	1200	213T	1.15	F	208-230/460V	9.0/4.5	34.5	89.5	L	123	6307/6206	19.9	\$1,315
	MPRP-18	1200	213T	1.15	F	575V	3.6	28	89.5	L	123	6307/6206	19.9	\$1,315
5	MQRP-21	3600	184T	1.15	F	208-230/460V	11.8/5.9	46	88.5	J	84	6206/6206	15.8	\$976
	MPRP-21	3600	184T	1.15	F	575V	4.8	37	88.5	J	84	6206/6206	15.8	\$976
	MQRP-22	1800	184T	1.15	F	208-230/460V	12.4/6.2	50	89.5	J	101	6206/6206	15.8	\$1,050
	MPRP-22	1800	184T	1.15	F	575V	5	40	89.5	J	101	6206/6206	15.8	\$1,050
	MQRP-23	1200	215T	1.15	F	208-230/460V	14.4/7.2	50	89.5	J	130	6307/6206	19.9	\$1,473
	MPRP-23	1200	215T	1.15	F	575V	5.8	40	89.5	J	130	6307/6206	19.9	\$1,473
7.5	MQRP-26	3600	213T	1.15	F	208-230/460V	18.4/9.2	63.5	89.5	H	91	6307/6206	19.9	\$1,402
	MPRP-26	3600	213T	1.15	F	575V	7.4	51	89.5	H	91	6307/6206	19.9	\$1,402
	MQRP-27	1800	213T	1.15	F	208-230/460V	19.2/9.6	68.5	91.7	J	146	6307/6206	19.9	\$1,518
	MPRP-27	1800	213T	1.15	F	575V	7.8	55	91.7	J	146	6307/6206	19.9	\$1,518
10	MQRP-31	3600	215T	1.15	F	208-230/460V	24.0/12.0	81	90.2	H	135	6307/6206	19.9	\$1,564
	MPRP-31	3600	215T	1.15	F	575V	9.6	65	90.2	H	135	6307/6206	19.9	\$1,564
	MQRP-32	1800	215T	1.15	F	208-230/460V	25.2/12.6	87.5	91.7	H	165	6307/6206	19.9	\$1,645
	MPRP-32	1800	215T	1.15	F	575V	10.2	70	91.7	H	165	6307/6206	19.9	\$1,645

\*Other performance data is available upon request from MEP

List prices subject to change.



Multiplier  
MRP  
Multiplicateur





# MaxMotion

## 1HP 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	LIST PRICE
						Voltage	FLA	LRA	Eff.	CODE				
1	MQRC-2	1760	143T	1.15	F	208-230/460V	3.4/1.7	14.8	82.5	N	45	6205/6203	13.8	\$498
	MPRC-2					575V	1.35	11.7	82.5		45	6205/6203	13.8	\$498
	MQRC-3	1160	145T	1.15	F	208-230/460V	4.6/2.3	11.4	80	N	45	6205/6203	13.8	\$521
	MPRC-3					575V	1.6	9.1	80		45	6205/6203	13.8	\$521
1.5	MQRC-7	1750	145T	1.15	F	208-230/460V	5.0/2.6	19.4	84	M	52	6205/6203	13.8	\$525
	MPRC-7					575V	2.1	15.1	84		52	6205/6203	13.8	\$525
	MQRC-8	1160	182T	1.15	F	208-230/460V	5.04/2.25	18.2	85.5	M	79	6206/6206	15.8	\$839
	MPRC-8					575V	2	13	85.5		79	6206/6206	15.8	\$839
2	MQRC-12	1750	145T	1.15	F	208-230/460V	6.2/3.1	23.9	84	L	56	6205/6203	13.8	\$540
	MPRC-12					575V	2.5	19.1	84		56	6205/6203	13.8	\$540
	MQRC-13	1150	184T	1.15	F	208-230/460V	6.4/3.2	22.7	86.5	L	87	6206/6206	15.8	\$873
	MPRC-13					575V	2.6	18.9	86.5		87	6206/6206	15.8	\$873
3	MQRC-17	1750	182T	1.15	F	208-230/460V	8.4/4.2	32	87.5	K	93	6206/6206	15.8	\$767
	MPRC-17					575V	3.3	24.4	87.5		93	6206/6206	15.8	\$767
	MQRC-18	1140	213T	1.15	F	208-230/460V	9.4/4.7	30.4	87.5	K	123	6307/6206	19.9	\$1,145
	MPRC-18					575V	3.8	24.4	87.5		123	6307/6206	19.9	\$1,145
5	MQRC-22	1740	184T	1.15	F	208-230/460V	12.8/6.4	44.8	87.5	J	101	6206/6206	15.8	\$844
	MPRC-22					575V	5.5	36	87.5		101	6206/6206	15.8	\$844
	MQRC-23	1140	215T	1.15	F	208-230/460V	16.2/8.1	46	87.5	J	130	6307/6206	19.9	\$1,291
	MPRC-23					575V	6.5	36	87.5		130	6307/6206	19.9	\$1,291
7.5	MQRC-27	1740	213T	1.15	F	208-230/460V	18.6/9.3	59	89.5	H	146	6307/6206	19.9	\$1,186
	MPRC-27					575V	7.6	50	89.5		146	6307/6206	19.9	\$1,186
10	MQRC-32	1740	215T	1.15	F	208-230/460V	25.4/12.7	80	89.5	H	165	6307/6206	19.9	\$1,271
	MPRC-32					575V	10.1	64.8	89.5		165	6307/6206	19.9	\$1,271

\*Other performance data is available upon request from MEP

List prices subject to change.



# MaxMotion

## 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	LIST PRICE
						Voltage	FLA	LRA	Eff.	CODE				
1	MLRP-2	1800	143T	1.15	F	208-230/460V	3.2/1.6	16	85.5	P	44	6205/6203	11.8	\$585
	MKRP-2	1800	143T	1.15	F	575V	1.26	13	85.5	P	44	6205/6203	11.8	\$585
	MLRP-3	1200	145T	1.15	F	208-230/460V	3.6/1.8	16	82.5	P	44	6205/6203	11.8	\$617
	MKRP-3	1200	145T	1.15	F	575V	1.45	13	82.5	P	44	6205/6203	11.8	\$617
1.5	MLRP-6	3600	143T	1.15	F	208-230/460V	5.0/2.5	20	84	M	41	6205/6203	11.8	\$524
	MKRP-6	3600	143T	1.15	F	575V	2	16	84	M	41	6205/6203	11.8	\$524
	MLRP-7	1800	145T	1.15	F	208-230/460V	5.2/2.6	21.5	86.5	N	48	6205/6203	11.8	\$620
	MKRP-7	1800	145T	1.15	F	575V	2.2	17.5	86.5	N	48	6205/6203	11.8	\$620
	MLRP-8	1200	182T	1.15	F	208-230/460V	4.6/2.3	21.5	86.5	N	70	6206/6206	13.8	\$863
	MKRP-8	1200	182T	1.15	F	575V	1.86	17.5	86.5	N	70	6206/6206	13.8	\$863
2	MLRP-11	3600	145T	1.15	F	208-230/460V	5.3/2.62	25	85.5	L	41	6205/6203	11.8	\$537
	MKRP-11	3600	145T	1.15	F	575V	2.2	20	85.5	L	41	6205/6203	11.8	\$537
	MLRP-12	1800	145T	1.15	F	208-230/460V	5.8/2.9	27	86.5	M	51	6205/6203	11.8	\$633
	MKRP-12	1800	145T	1.15	F	575V	2.3	22	86.5	M	51	6205/6203	11.8	\$633
	MLRP-13	1200	184T	1.15	F	208-230/460V	6.4/3.2	27	87.5	M	78	6206/6206	13.8	\$924
	MKRP-13	1200	184T	1.15	F	575V	2.6	22	87.5	M	78	6206/6206	13.8	\$924
3	MLRP-16	3600	145T	1.15	F	208-230/460V	7.7/3.85	32	85.5	K	45	6205/6203	11.8	\$568
	MKRP-16	3600	145T	1.15	F	575V	3.2	26	85.5	K	45	6205/6203	11.8	\$568
	MLRP-17	1800	182T	1.15	F	208-230/460V	7.8/3.9	34.5	89.5	L	82	6206/6206	13.8	\$917
	MKRP-17	1800	182T	1.15	F	575V	3.2	28	89.5	L	82	6206/6206	13.8	\$917
	MLRP-18	1200	213T	1.15	F	208-230/460V	8.3/4.15	34.5	88.5	L	110	6307/6206	16.8	\$1,221
	MKRP-18	1200	213T	1.15	F	575V	3.3	28	88.5	L	110	6307/6206	16.8	\$1,221
5	MLRP-21	3600	182T	1.15	F	208-230/460V	12.4/6.2	46	86.5	J	76	6206/6206	13.8	\$901
	MKRP-21	3600	182T	1.15	F	575V	4.9	37	86.5	J	76	6206/6206	13.8	\$901
	MLRP-22	1800	184T	1.15	F	208-230/460V	12.6/6.3	50	89.5	J	92	6206/6206	13.8	\$1,003
	MKRP-22	1800	184T	1.15	F	575V	5.2	40	89.5	J	92	6206/6206	13.8	\$1,003
	MLRP-23	1200	215T	1.15	F	208-230/460V	13.8/6.9	50	89.5	J	121	6307/6206	16.8	\$1,338
	MKRP-23	1200	215T	1.15	F	575V	5.6	40	89.5	J	121	6307/6206	16.8	\$1,338
7.5	MLRP-26	3600	184T	1.15	F	208-230/460V	17.4/8.7	63.5	88.5	H	83	6206/6206	13.8	\$1,034
	MKRP-26	3600	184T	1.15	F	575V	7	51	88.5	H	83	6206/6206	13.8	\$1,034
	MLRP-27	1800	213T	1.15	F	208-230/460V	18.4/9.2	68.5	91	J	132	6307/6206	16.8	\$1,357
	MKRP-27	1800	213T	1.15	F	575V	7.4	55	91	J	132	6307/6206	16.8	\$1,357
10	MLRP-31	3600	213T	1.15	F	208-230/460V	23.6/11.8	81	89.5	H	120	6307/6206	16.8	\$1,454
	MKRP-31	3600	213T	1.15	F	575V	9.5	65	89.5	H	120	6307/6206	16.8	\$1,454
	MLRP-32	1800	215T	1.15	F	208-230/460V	24.4/12.2	87.5	91.7	H	145	6307/6206	16.8	\$1,499
	MKRP-32	1800	215T	1.15	F	575V	9.85	70	91.7	H	145	6307/6206	16.8	\$1,499
15	MLRP-36	3600	215T	1.15	F	208-230/460V	34.0/17.0	116	90.2	G	134	6307/6206	16.8	\$1,596
	MKRP-36	3600	215T	1.15	F	575V	13.7	93	90.2	G	134	6307/6206	16.8	\$1,596
	MLRP-37	1800	254T	1.15	F	208-230/460V	37.6/18.8	125	93	H	201	6309/6208	20.7	\$2,486
	MKRP-37	1800	254T	1.15	F	575V	15.3	100	93	H	201	6309/6208	20.7	\$2,486
20	MLRP-42	1800	256T	1.15	F	208-230/460V	50.8/25.4	125	93	H	223	6309/6208	20.7	\$2,521
	MKRP-42	1800	256T	1.15	F	575V	20.6	100	93	H	223	6309/6208	20.7	\$2,521

\*Other performance data is available upon request from MEP

List prices subject to change.



Multiplier  
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# MaxMotion

## 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:

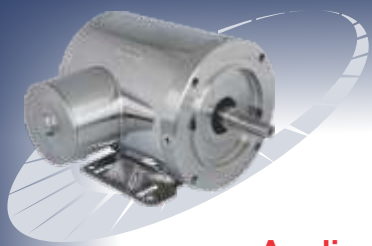
- **Design** - NEMA Standard MG-1 Design C
- **Agency listings and standards** - NEMA, IEEE, CSA, CSAus, CC, EEV
- **Electrical Supply** - 575V/3/60, 208-230/460/3/60
- **Voltage and Frequency Variation** - +/- 10%
- **Windings** - High quality copper magnet wire class F insulation system with class 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	LIST PRICE
						Voltage	FLA	LRA	Eff.	CODE				
1	MLRC-2	1760	143T	1.15	F	208-230/460V	3.4/1.7	14.4	82.5	N	44	6205/6203	11.8	\$475
	MKRC-2					575V	1.45	11.5	82.5		44	6205/6203	11.8	\$475
	MLRC-3	1150	145T	1.15	F	208-230/460V	4.2/2.1	11.5	80	N	44	6205/6203	11.8	\$485
	MKRC-3					575V	1.5	9.6	80		44	6205/6203	11.8	\$485
1.5	MLRC-7	1750	145T	1.15	F	208-230/460V	5.0/2.5	19	84	M	48	6205/6203	11.8	\$509
	MKRC-7					575V	1.85	15.2	84		48	6205/6203	11.8	\$509
	MLRC-8	1160	182T	1.15	F	208-230/460V	4.8/2.4	17.4	84	M	70	6206/6206	13.8	\$794
	MKRC-8					575V	2	13.9	84		70	6206/6206	13.8	\$794
2	MLRC-12	1740	145T	1.15	F	208-230/460V	6.0/3.0	24.2	84	L	51	6205/6203	11.8	\$537
	MKRC-12					575V	2.45	19.4	84		51	6205/6203	11.8	\$537
	MLRC-13	1150	184T	1.15	F	208-230/460V	6.2/3.1	24.1	85.5	L	78	6206/6206	13.8	\$812
	MKRC-13					575V	2.5	18.9	85.5		78	6206/6206	13.8	\$812
3	MLRC-17	1750	182T	1.15	F	208-230/460V	8.6/4.3	28.6	86.5	K	82	6206/6206	13.8	\$759
	MKRC-17					575V	3.3	23.7	86.5		82	6206/6206	13.8	\$759
	MLRC-18	1140	213T	1.15	F	208-230/460V	9.8/4.9	27	86.5	K	110	6307/6206	16.8	\$1,112
	MKRC-18					575V	4	22.6	86.5		110	6307/6206	16.8	\$1,112
5	MLRC-22	1740	184T	1.15	F	208-230/460V	13.0/6.5	43.5	87.5	J	92	6206/6206	13.8	\$843
	MKRC-22					575V	5.2	36	87.5		92	6206/6206	13.8	\$843
	MLRC-23	1140	215T	1.15	F	208-230/460V	14.0/7.0	41	87.5	J	121	6307/6206	16.8	\$1,199
	MKRC-23					575V	5.6	32.9	87.5		121	6307/6206	16.8	\$1,199
7.5	MLRC-27	1740	213T	1.15	F	208-230/460V	19.0/9.5	63.5	88.5	H	132	6307/6206	16.8	\$1,065
	MKRC-27					575V	7.65	50.8	88.5		132	6307/6206	16.8	\$1,065
10	MLRC-32	1740	215T	1.15	F	208-230/460V	25.2/12.8	81	89.5	H	145	6307/6206	16.8	\$1,183
	MKRC-32					575V	10.3	64.8	89.5		145	6307/6206	16.8	\$1,183
15	MLRC-37	1740	254T	1.15	F	208-230/460V	36.6/18.3	114	91	G	201	6309/6208	20.7	\$1,762
	MKRC-37					575V	15.3	88	91		201	6309/6208	20.7	\$1,762
20	MLRC-42	1740	256T	1.15	F	208-230/460V	49/24.5	144	91	G	223	6309/6208	20.7	\$1,989
	MKRC-42					575V	20.3	123	91		223	6309/6208	20.7	\$1,989

\*Other performance data is available upon request from MEP

List prices subject to change.



# 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 E pact 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 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 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	CATALOGUE NUMBER MPS = 575 MQS = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				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	\$743
	134FC	1725	56C	1.2	0.6	0.6	0.95	0.95	82.5	K	28	6205ZZ	6205ZZ	11.59	\$771
0.5	122	3460	56C	1.13	0.65	0.65	1	1	77	K	28	6205ZZ	6205ZZ	11.59	\$786
	124	1725	56C	1.6	0.8	0.8	1.3	1.3	82.5	K	28	6205ZZ	6205ZZ	11.59	\$734
	124FC	1725	56C	1.6	0.8	0.8	1.3	1.3	82.5	K	29	6205ZZ	6205ZZ	11.59	\$824
0.75	126	1155	56C	1.8	0.9	0.9	1.45	1.45	80	K	30	6205ZZ	6205ZZ	12.57	\$934
	342	3460	56HC	2.2	1.1	1.1	1.8	1.8	80	K	34	6205ZZ	6205ZZ	12.57	\$846
	344	1725	56HC	2.2	1.1	1.1	1.8	1.8	82.5	K	31	6205ZZ	6205ZZ	12.57	\$846
	344FC	1725	56HC	2.2	1.1	1.1	1.8	1.8	82.5	K	33	6205ZZ	6205ZZ	12.57	\$861
1	346	1155	56HC	3.7	1.85	1.85	3	3	79	K	34	6205ZZ	6205ZZ	12.68	\$981
	102	3470	56HC	2.8	1.4	1.4	2.3	2.3	80	K	35	6205ZZ	6205ZZ	13.68	\$861
	104	1740	56HC	3	1.5	1.5	2.4	2.4	84	K	36	6205ZZ	6205ZZ	13.68	\$883
	104T	1740	143TC	3	1.5	1.5	1.2	1.2	84	K	36	6205ZZ	6205ZZ	13.68	\$913
	106T	1165	143TC	3.4	1.7	1.7	1.4	1.4	80	K	42	6205ZZ	6205ZZ	13.38	\$1,108

\* Other performance data is available upon request from MEP

List prices subject to change.



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# 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	LIST PRICE
				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	\$921
	154T	1740	145TC	4.4	2	2	1.8	1.8	84	K	42	6205ZZ	6205ZZ	13.68	\$950
	156T	1170	182TC	4.6	2.3	2.3	1.8	1.8	85.5	L	79	6308ZZ	6306ZZ	16.4	\$2,019
2	204	1740	56HC	4.6	2.3	2.3	1.8	1.8	84	K	51	6205ZZ	6205ZZ	13.68	\$1,008
	204T	1740	145TC	5.6	2.8	2.8	2.2	2.2	84	K	51	6205ZZ	6205ZZ	13.68	\$1,008
	206T	1175	184TC	5.8	2.9	2.9	2.3	2.3	86.5	L	95	6308ZZ	6306ZZ	16.4	\$2,084
3	304T	1765	182TC	8	4	4	3.2	3.2	87.5	K	78	6308ZZ	6306ZZ	16.4	\$2,084
	306T	1175	213TC	8.4	4.2	4.2	3.4	3.4	87.5	K	160	6308ZZ	6208ZZ	21.5	\$3,212
5	504T	1765	184TC	12.6	6.3	6.3	5	5.0	87.5	J	99	6308ZZ	6306ZZ	16.4	\$2,357
	506T	1175	215TC	13.4	6.7	6.7	5.4	5.4	87.5	J	197	6308ZZ	6208ZZ	22.3	\$3,704
7.5	704T	1755	213TC	18	9	9	7.2	7.2	89.5	H	179	6308ZZ	6208ZZ	21.5	\$3,375
10	1004T	1760	215TC	24	12	12	9.6	9.6	89.5	H	210	6308ZZ	6208ZZ	22.3	\$3,697
15	1504T	1765	254TC	36	18	18	14.4	14.4	92.4	G	286	6309ZZ	6309ZZ	23.7	\$7,822
20	2004T	1765	256TC	48	24	24	19.2	19.2	93	G	352	6309ZZ	6309ZZ	25.3	\$8,533

\* Other performance data is available upon request from MEP

List prices subject to change.

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## 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	LIST PRICE
				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	\$1,168
	106T	1165	143TC	3.4	1.7	1.7	1.4	1.4	80	K	42	6205ZZ	6205ZZ	12.63	\$1,422
1.5	152T	3480	143TC	4	2	2	1.6	1.6	84	K	39	6205ZZ	6205ZZ	12.63	\$1,159
	154T	1740	145TC	4.4	2	2	1.8	1.8	84	K	42	6205ZZ	6205ZZ	12.63	\$1,217
	156T	1170	182TC	4.6	2.3	2.3	1.8	1.8	85.5	L	79	6308ZZ	6306ZZ	16.4	\$2,597
2	202T	3480	145TC	4.84	2.42	2.42	1.9	1.9	84	K	45	6205ZZ	6205ZZ	13.68	\$1,199
	204T	1740	145TC	5.6	2.8	2.8	2.2	2.2	84	K	51	6205ZZ	6205ZZ	13.68	\$1,291
	206T	1175	184TC	5.8	2.9	2.9	2.3	2.3	86.5	L	95	6308ZZ	6306ZZ	16.4	\$2,681
3	302TS	3535	145TC	7.4	3.7	3.7	3	3.0	85.5	K	65	6205ZZ	6205ZZ	16.4	\$1,229
	302T	3535	182TC	7.4	3.7	3.7	3	3.0	85.5	K	77	6308ZZ	6306ZZ	16.4	\$2,773
	304T	1765	184TC	8	4	4	3.2	3.2	87.5	K	78	6308ZZ	6306ZZ	16.4	\$2,681
	306T	1175	213TC	8.4	4.2	4.2	3.4	3.4	87.5	J	160	6308ZZ	6208ZZ	21.5	\$4,129
5	502T	3525	184TC	11.6	5.8	5.8	4.6	4.6	87.5	J	95	6308ZZ	6306ZZ	16.4	\$2,884
	504T	1765	184TC	12.6	6.3	6.3	5	5.0	87.5	J	99	6308ZZ	6306ZZ	16.4	\$3,037
	506T	1175	213TC	13.4	6.7	6.7	5.4	5.4	87.5	J	197	6308ZZ	6208ZZ	22.3	\$4,769
7.5	702T	3520	213TC	17.6	8.8	8.8	7	7.0	88.5	H	151	6308ZZ	6208ZZ	21.5	\$4,441
	704T	1755	215TC	18	9	9	7.2	7.2	89.5	H	179	6308ZZ	6208ZZ	21.5	\$4,342
10	1002T	3525	215TC	22.4	11.2	11.2	9	9.0	89.5	H	166	6308ZZ	6208ZZ	22.3	\$4,684
	1004T	1760	215TC	24	12	12	9.6	9.6	89.5	H	210	6308ZZ	6208ZZ	22.3	\$4,759
15	1504T	1765	254TC	36	18	18	14.4	14.4	92.4	G	286	6309ZZ	6309ZZ	23.7	\$10,168
20	2004T	1765	256TC	48	24	24	19.2	19.2	93	G	352	6309ZZ	6309ZZ	25.3	\$11,092

\* Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**MMS**  
Multiplicateur





# MaxMotion

**All-in-One 56HC frame AC motors, 1/3HP to 3HP  
TEFC, 208-230/460V & 575V 3 phase  
Heavy Gauge Rolled Steel**

## 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
- 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

**MaxMotion All-in-One 56HC frame AC Motors, 1/3HP to 3HP Performance Data\***

HP	CATALOGUE NUMBER MPR = 575 MQR = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
0.33	132CW	3450	56HC	1.50	0.75	4.30	0.60	3.43	60.00	L	20.72	6205ZZ	6203ZZ	12.25	\$261
	134CW	1725	56HC	1.60	0.80	4.30	0.60	3.60	68.50	L	21.38	6205ZZ	6203ZZ	12.25	\$303
	136CW	1165	56HC	2.10	1.05	6.25	0.85	5.00	63.00	L	22.80	6205ZZ	6203ZZ	12.25	\$359
0.5	122CW	3450	56HC	2.20	1.10	4.50	0.80	3.50	66.50	L	20.72	6205ZZ	6203ZZ	12.25	\$286
	124CW	1725	56HC	2.00	1.00	10.00	0.80	8.00	74.00	L	23.92	6205ZZ	6203ZZ	12.25	\$319
	126CW	1160	56HC	2.50	1.25	10.00	1.00	8.00	69.00	L	24.3	6205ZZ	6203ZZ	12.25	\$370
0.75	342CW	3450	56HC	2.90	1.45	6.20	1.00	4.40	72.50	L	22.49	6205ZZ	6203ZZ	12.25	\$308
	344CW	1725	56HC	3.00	1.50	12.00	1.20	10.00	76.00	L	25.35	6205ZZ	6203ZZ	12.25	\$360
	346CW	1150	56HC	3.40	1.70	12.00	1.40	10.00	76.00	L	26.9	6205ZZ	6203ZZ	12.25	\$380
1	102CW	3510	56HC	3.10	1.55	15.00	1.20	12.00	76.00	L	25.13	6205ZZ	6203ZZ	12.25	\$343
	104CW	1725	56HC	3.60	1.80	13.00	1.50	11.00	75.00	L	26.9	6205ZZ	6203ZZ	12.25	\$394
	106CW	1150	56HC	4.40	2.20	15.00	1.80	12.00	76.00	L	30.86	6205ZZ	6203ZZ	12.25	\$409
1.5	152CW	3450	56HC	4.00	2.00	20.00	1.60	16.00	79.70	L	27.78	6205ZZ	6203ZZ	12.25	\$445
	154CW	1725	56HC	5.20	2.60	20.00	2.10	16.00	78.20	L	30.86	6205ZZ	6203ZZ	12.25	\$497
2	202CW	3510	56HC	6.00	3.00	25.00	2.40	20.00	82.10	L	31.75	6205ZZ	6203ZZ	12.25	\$497
	204CW	1725	56HC	6.20	3.10	25.00	2.40	20.00	78.90	L	37.48	6205ZZ	6203ZZ	12.25	\$591
3	302CW	3500	56HC	9.00	4.50	32.00	3.00	26.00	84.00	L	40	6205ZZ	6203ZZ	13.83	\$542

\* Other performance data is available upon request from MEP

List prices subject to change.

Multiplier  
**MGT**  
Multiplificateur





# MaxMotion

## All-in-One 56HC 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	LIST PRICE
1/3	MTR-134FDC	1725	115 /230	56HC	1.15	Ball	Manual	6.6/3.3	12.4	\$359
1/2	MTR-122FDC	3450	115 /230	56HC	1.15	Ball	Manual	8.4/4.0	11	\$351
	MTR-124FDC	1725	115 /230			Ball	Manual	8.8/4.2	12.4	\$385
3/4	MTR-342FDC	3450	115 /230	56HC	1.15	Ball	Manual	10.6/5.3	11	\$372
	MTR-344FDC	1725	115 /230			Ball	Manual	11.0/5.5	12.4	\$411
1	MTR-102FDC	3450	115 /230	56HC	1.15	Ball	Manual	11.2/5.6	11.8	\$420
	MTR-104FDC	1725	115 /230			Ball	Manual	13.6/6.8	12.8	\$463
1 1/2	MTR-152FDC	3450	115 /230	56HC	1.15	Ball	Manual	14.2/7.1	13	\$497
	MTR-154FDC	1725	115 /230			Ball	Manual	15.2/7.6	13.3	\$563
2	MTR-202FDC	3450	208-230	56HC	1.15	Ball	Manual	10 /9.1	13	\$591
	MTR-204FDC	1725	208-230	56HC		Ball	Manual	11/10.0	13.8	\$649
	MTR-204FDTC (1)	1725	208-230	145TC	1.15	Ball	Manual	10.3-9.3	14.4	\$669
3	MTR-304FD (1) (2)	1750	208-230	182T	1.15	Ball	Manual	14.4-13	16.3	\$941
5	MTR-502FDC (1)	3450	208-230	184TC	1.15	Ball	None	21.6-19.5	17.7	\$1,046
	MTR-504FD (1) (2)	1750	208-230	184T		Ball	Manual	22.2-20	17.7	\$1,075
7.5	MTR-754FD (1) (2)	1750	208-230	213/215T	1.15	Ball	None	33.2-30	20.3	\$1,607
10	MTR-1004FD (1) (2)	1750	208-230	215T	1.0	Ball	None	42.6-38.5	21.7	\$1,947

(1) Motors not ready to accept Brake Kit.

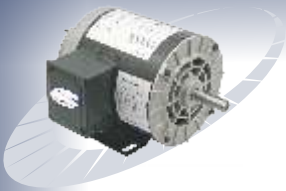
(2) Foot mounted design with provision to accept NEMA C Face Kit.

List prices subject to change.

Multiplier  
**MFD**  
Multiplicateur

# MaxMotion

## General Purpose, Three Phase, ODP frame 56, 1/3HP to 2HP Heavy Gauge Rolled Steel Rigid Base



### Applications:

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

### Features:

- Ball bearing design
- Agency listing and standards: NEMA, IEEE, CSA, CSAUS
- Electrical Supply: 208-230/460/3/60 & 190/380/3/50 at next lowest HP
- Heavy Gauge Rolled Steel Construction with Rigid Base
- Inverter Duty Magnet Wire
- Speed Range: 5:1 CT and 10:1 VT
- Reversible Rotation

Multiplier  
**MGO**  
Multiplicateur

### MaxMotion Series General Purpose, Three Phase, ODP, Rigid Base, Ball Bearing, Performance Data\*

HP	CATALOGUE NUMBER MKR = 575 MLR = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
0.33	134W	1725	56	1.5	0.75	4.3	0.6	3.6	71.2	L	20.28	6203ZZ	6203ZZ	11.06	\$269
0.5	124W	1725	56	2	1	10	0.8	8.0	74	L	22.71	6203ZZ	6203ZZ	11.06	\$290
0.75	344W	1725	56	3	1.5	12	1.2	10.0	76	L	24.25	6203ZZ	6203ZZ	11.06	\$317
1	104W	1725	56	3.4	1.7	13	1.4	11.0	75	L	24.91	6203ZZ	6203ZZ	11.06	\$355
1.5	154W	1725	56	5.2	2.6	20	2.1	16.0	78.2	L	29.76	6203ZZ	6203ZZ	12.20	\$454
2	204W	1725	56	6.2	3.1	25	2.5	20.0	78.9	L	36.16	6203ZZ	6203ZZ	13.02	\$531

\* Other performance data is available upon request from MEP

List prices subject to change.



## Centrifugal Pump (Jet Pump) Three Phase, 1/3HP to 3HP TEFC

### Features

- Double Sealed ball bearings, mechanically locked on shaft end
- Heavy Gauge Rolled Steel, removable 56H base
- Continuous Duty
- Nameplated 60/50 hertz, 190/380 volts at next lowest HP
- 56J = 416 stainless steel threaded shaft with slinger
- Inverter Duty Magnet Wire
- Speed Range: 5:1 CT and 10:1 VT
- Optional Drip Cover available, part number 56J-DC List \$15.00

Multiplier  
**MGT**  
Multiplicateur

### MaxMotion Series, Centrifugal Pump (Jet Pump) Three Phase, 1/3HP to 3HP, Performance Data\*

HP	CATALOGUE NUMBER MPR = 575 MQR = 2X4	FL RPM	FRAME	Data at 60Hz							NET WT. LBS	DE BRG	ODE BRG	C DIA. IN INCHES	LIST PRICE
				FLA 230V	FLA 460V	L.R. 460V	FLA 575V	L.R 575V	EFF.%	CODE					
0.33	132J	3450	56J	1.50	0.75	4.30	0.60	3.43	60.00	L	20.72	6205ZZ	6203ZZ	12.25	\$507
0.5	122J	3450	56J	2.20	1.10	4.50	0.80	3.50	66.50	L	20.72	6205ZZ	6203ZZ	12.25	\$523
0.75	342J	3450	56J	2.90	1.45	6.20	1.00	4.40	72.50	L	22.49	6205ZZ	6203ZZ	12.25	\$539
1	102J	3510	56J	3.10	1.55	15.00	1.20	12.00	76.00	L	25.13	6205ZZ	6203ZZ	12.25	\$556
1.5	152J	3450	56J	4.00	2.00	20.00	1.60	16.00	79.70	L	27.78	6205ZZ	6203ZZ	12.25	\$588
2	202J	3510	56J	6.00	3.00	25.00	2.40	20.00	82.10	L	31.75	6205ZZ	6203ZZ	12.25	\$621
3	302J	3500	56J	9.00	4.50	32.00	3.00	26.00	84.00	L	40	6205ZZ	6203ZZ	13.83	\$725

\* Other performance data is available upon request from MEP

List prices subject to change.





## 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.

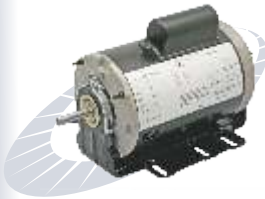
### Features:

- 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	LIST PRICE
1/3	MOR-134BF	1725	115V	48Z	1.35	Ball	Auto	6.1	9.72	\$203
1/2	MOR-124BF	1725	115V	48Z	1.25	Ball	Auto	7.2	10.22	\$248

List prices subject to change.

## 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	LIST PRICE
1/3	MOR-134BFB <sup>(1)</sup>	1725	115 / 208-230	48Z	1.35	Ball	Auto	5.6/3.1-2.8	10.4	\$328
1/2	MOR-124BFB <sup>(1)</sup>	1725	115 / 208-230	56HZ	1.25	Ball	Auto	8.5/5.0-4.5	11.8	\$350
3/4	MOR-344BFB	1725	115 / 208-230	56HZ	1.25	Ball	Auto	10.9/6.0-5.5	11.8	\$389
1	MOR-104BFB	1725	115 / 208-230	56H	1.15	Ball	Auto	13.6/7.5-6.8	11.8	\$449

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

List prices subject to change.

## 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.	LIST PRICE
1/3	MDD136/4SP <sup>(1)</sup>	1075/4	115	48Y	1.0	Ball	Auto	4.5	4 1/2	1/2 x 6	15	\$219
1/2	MDD126/4SP <sup>(2)</sup>	1075/4	115	48Y	1.0	Ball	Auto	6	5	1/2 x 6	18	\$269

(1) Will replace Marathon X035, AO Smith 753A, Emerson 9377, Omnidrive 7553

(2) Will replace Marathon X036, AO Smith 754A, Emerson 3787, Omnidrive 7554

List prices subject to change.



# MaxMotion

## Permanent Magnet 90 and 180V 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.	LIST PRICE
1/4	MM2590FC	1750	90	56C	TEFC	2.9	9	21	\$305
	MM2590NV	1750	90	56C	TENV	2.9	9	21	\$298
	MM2518FC	1750	180	56C	TEFC	1.45	9	21	\$302
	MM2518NV	1750	180	56C	TENV	1.45	9	21	\$295
1/3	MM3390FC	1750	90	56C	TEFC	3.6	13.5	23	\$330
	MM3390NV	1750	90	56C	TENV	3.6	13.5	23	\$322
	MM3318FC	1750	180	56C	TEFC	1.8	13.5	23	\$327
	MM3318NV	1750	180	56C	TENV	1.8	13.5	23	\$319
1/2	MM5090FC	1750	90	56C	TEFC	5.2	18	25	\$418
	MM5090NV	1750	90	56C	TENV	5.2	18	25	\$410
	MM5018FC	1750	180	56C	TEFC	2.6	18	25	\$414
	MM5018NV	1750	180	56C	TENV	2.6	18	25	\$406
3/4	MM7590FC	1750	90	56C	TEFC	7.8	27	30	\$468
	MM7518FC	1750	180	56C	TEFC	3.9	27	30	\$463
1	MM1090FC	1750	90	56C	TEFC	10.4	36	33	\$507
	MM1018FC	1750	180	56C	TEFC	5.2	36	33	\$502
1 1/2	MM1518FC	1750	180	145TC	TEFC	7.2	54	45	\$861
2	MM2018FC	1750	180	145TC	TEFC	10.4	72	55	\$921
3	MM3018FC	1750	180	145TC	TEFC	17	109	70	\$1,089

List prices subject to change.

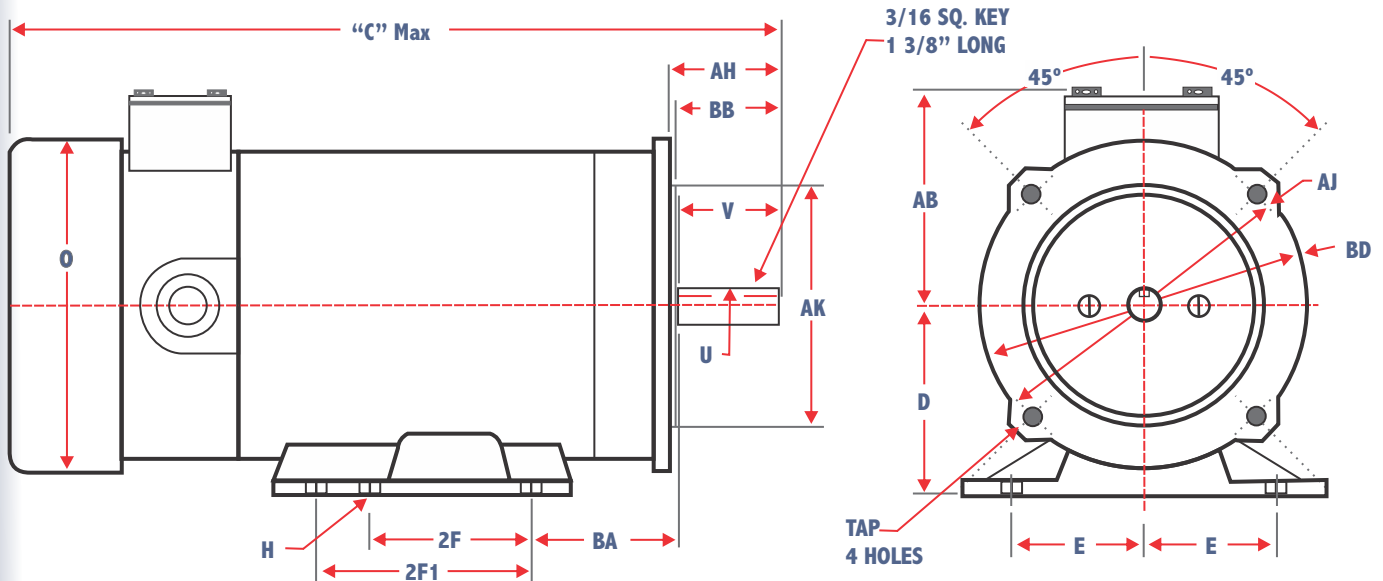
Multiplier  
**MDC**  
Multiplicateur



# MaxMotion

## 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

## Low Voltage 12, 24 and 48VDC Permanent Magnet DC Motors 1/4HP to 1HP

### Applications:

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

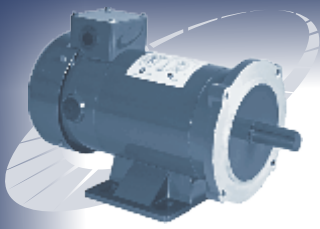
### Features:

- 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.	LIST PRICE
1/4	MM2512FC	1750	12	21	56C	TEFC	9	21	\$349
	MM2512NV	1750	12	21	56C	TENV	9	21	\$295
	MM2524FC	1750	24	10.5	56C	TEFC	9	21	\$346
	MM2548FC	1750	48	5.3	56C	TEFC	9	21	\$347
1/3	MM3312FC	1750	12	27	56C	TEFC	12	23	\$458
	MM3324FC	1750	24	13.5	56C	TEFC	12	23	\$473
	MM3324NV	1750	24	13.5	56C	TENV	12	23	\$473
1/2	MM5012FC	1750	12	39	56C	TEFC	18	25	\$553
	MM5024FC	1750	24	20	56C	TEFC	18	25	\$460
3/4	MM7512FC	1750	12	63.6	56C	TEFC	27	30	\$524
	MM7524FC	1750	24	31.8	56C	TEFC	27	30	\$468
1	MM1012FC	1750	12	80	56C	TEFC	36	32	\$560
	MM1024FC	1750	24	40	56C	TEFC	36	32	\$556

List prices subject to change.

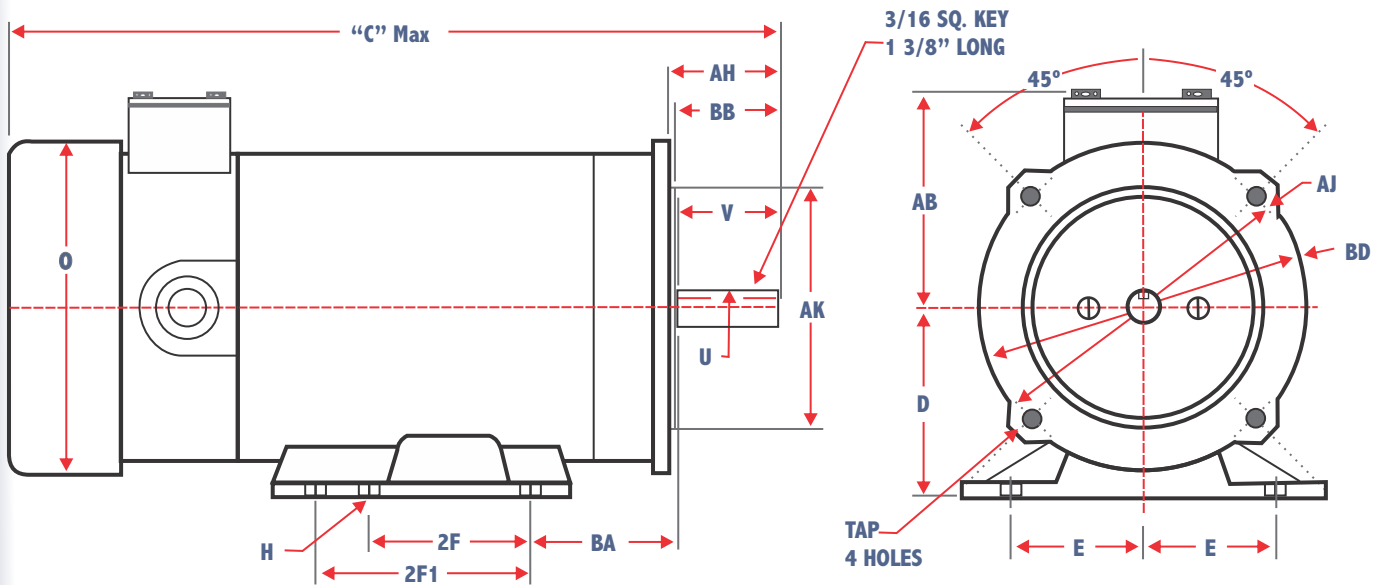
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# MaxMotion

## Low Voltage PMDC Motors 1/4HP to 1HP

### PMDC MOTOR DIMENSIONS

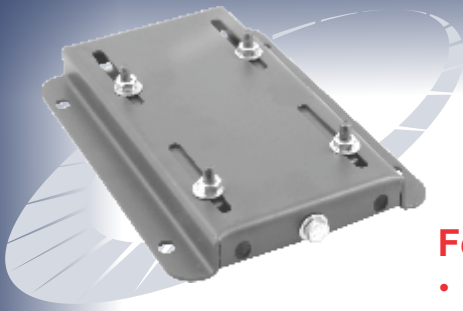


HP	1/4-FC	1/4-NV	1/3-FC	1/3-NV	1/2-FC	3/4	1
<b>D</b>	3.5	3.5	3.5	3.5	3.5	3.5	3.5
<b>E</b>	2.44	2.44	2.44	2.44	2.44	2.44	2.44
<b>2F</b>	3	3	3	3	3	3	4
<b>2F1</b>	-	-	-	-	-	-	5
<b>H</b>	11/32	11/32	11/32	11/32	11/32	11/32	11/32
<b>O</b>	5.625	-	5.625	-	-	5.625	5.625
<b>U</b>	0.625	0.625	0.625	0.625	0.625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

The above dimensions are in inches

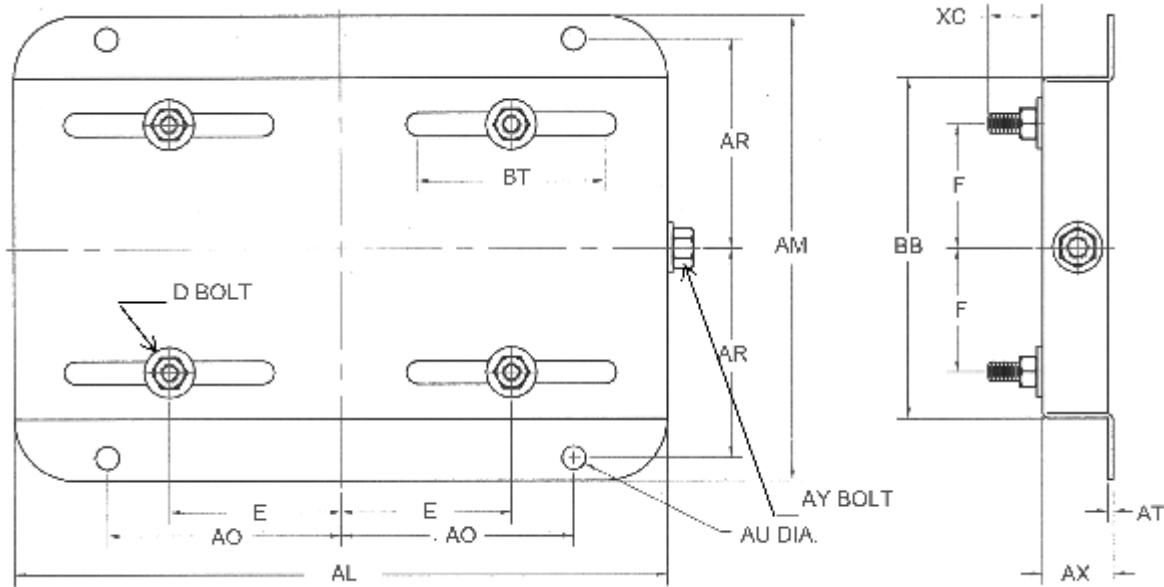
# MaxMotion

## 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)	LIST PRICE
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	\$37
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	\$42
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	\$42

List prices subject to change.

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### Also Available

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



CAT. NO	CONVERTS FROM	CONVERTS TO	LIST PRICE
1814T	182/184	143T/145T	\$62
2118T	213/215	182T/184T	\$96
25U21T	254U/256U	213T/215T	\$113
28U25T	284U/286U	254T/256T	\$151
32U28T	324U/326U	284T/286T	\$209
36U36T	364U/365U	324T/326T	\$269
40U36T	404U/405U	364T/365T	\$366
44U36T	444U/445U	364T/365T	\$805
44U40T	444U/445U	404T/405T	\$460

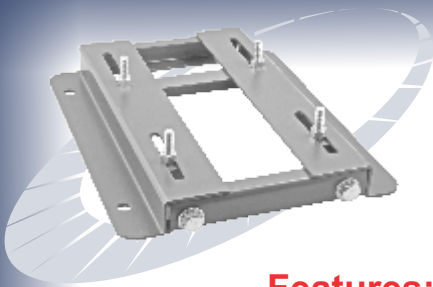
List prices subject to change.



### Automatic tensioning motor bases

To decrease shock load in severe applications such as rock crushers, vibration feeders, and screens. Please contact MEP office for pricing.

Multiplier  
**SB**  
Multiplicateur

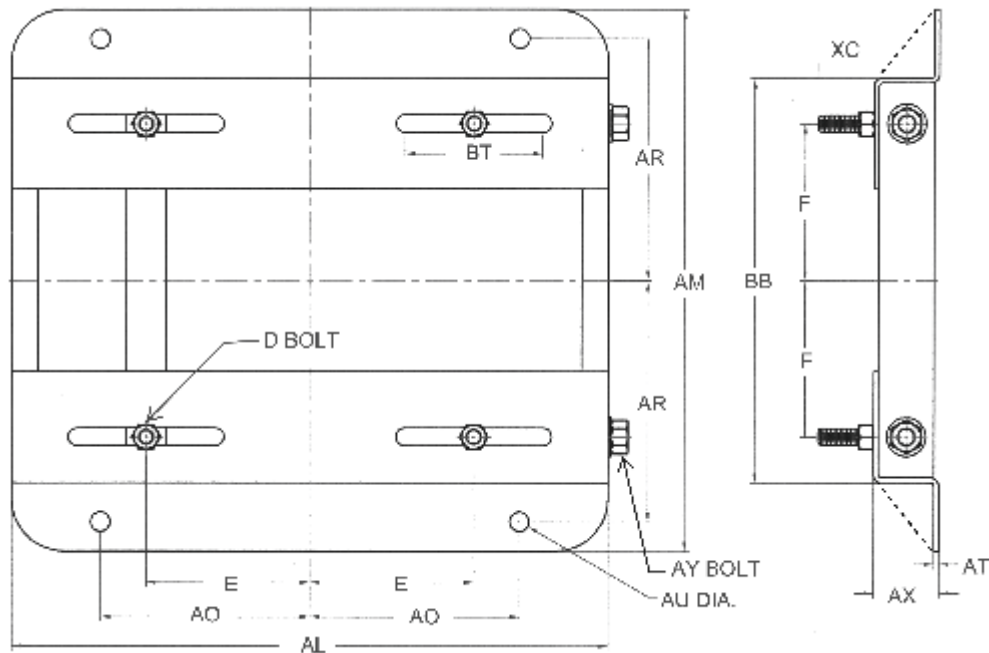


# MaxMotion

## 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)	LIST PRICE
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	\$57
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	\$57
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	\$79
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	\$91
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	\$108
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	\$115
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	\$132
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	\$139
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	\$196
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	\$202
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	\$275
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	\$281
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	\$313
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	\$318
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	\$349
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	\$359
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	\$461
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	\$474

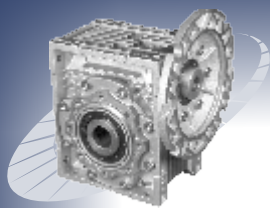
Contact MEP for further details and additional special types available.

List prices subject to change.



32015

Multiplier  
SBW  
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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.

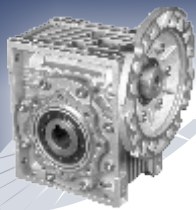
### WORM REDUCER RATINGS AT 1750 RPM INPUT

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
<b>Size</b>		<b>NEMA INPUT FLANGE AVAILABILITY</b>											
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







# MaxMotion

## RIGHT ANGLE SPEED REDUCER

### GEAR REDUCER

CATALOGUE	LIST
MMR30	\$206
MMR40	\$257
MMR50	\$383
MMR63	\$502
MMR75	\$718
MMR90	\$1,023
MMR110	\$1,464
MMR130	\$1,885
MMR150	\$2,863

### Gear Reducer Accessories

#### SINGLE O/P SHAFT

CATALOGUE	LIST
MMR30-SS	\$15
MMR40-SS	\$21
MMR50-SS	\$23
MMR63-SS	\$27
MMR75-SS	\$30
MMR90-SS	\$40
MMR110-SS	\$56
MMR130-SS	\$68
MMR150-SS	\$88

#### DOUBLE O/P SHAFT

CATALOGUE	LIST
MMR30-DS	\$16
MMR40-DS	\$22
MMR50-DS	\$25
MMR63-DS	\$29
MMR75-DS	\$33
MMR90-DS	\$46
MMR110-DS	\$63
MMR130-DS	\$76
MMR150-DS	\$92

#### TORQUE ARM

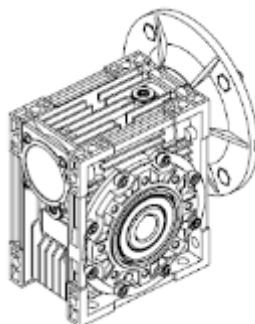
CATALOGUE	LIST
MMR30-ARM	\$15
MMR40-ARM	\$20
MMR50-ARM	\$24
MMR63-ARM	\$30
MMR75-ARM	\$39
MMR90-ARM	\$47
MMR110-ARM	\$61
MMR130-ARM	\$80
MMR150-ARM	NA

#### OUTPUT FLANGE

CATALOGUE	LIST
MMR30-FLANGE	\$12
MMR40-FLANGE	\$14
MMR50-FLANGE	\$18
MMR63-FLANGE	\$23
MMR75-FLANGE	\$45
MMR90-FLANGE	\$50
MMR110-FLANGE	\$86
MMR130-FLANGE	\$113
MMR150-FLANGE	\$113

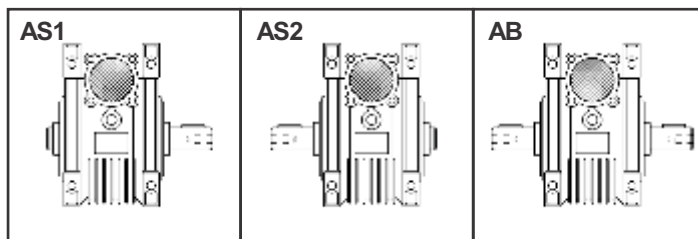
List prices subject to change.

## MOUNTING VERSIONS



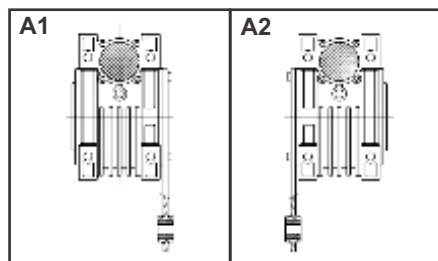
### Standard Hollow Shaft Reducer

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



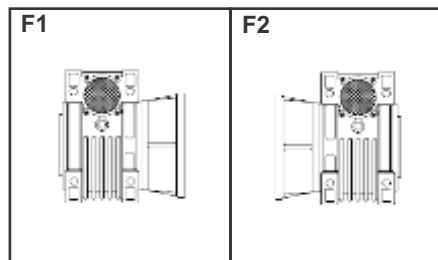
### Solid Single & Double Output Shafts

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



### Bolt-On Torque Arm

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



### Bolt-On Output Flange Adaptor

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

## Max Motion Premium NEMA 12-12 • ODP and TEFC “C” Flange Kits

### ODP “C” Flange

Frame	Cat.#	List Price
143/145T	C-140TCROA	\$48
182/184T	C-180TCRO	\$78
213/215T	C-210TCRO	\$112

List prices subject to change.

### TEFC “C” Flange

Frame	Cat.#	List Price
143/145T	C-140TCRA	\$48
182/184T	C-180TCR	\$78
213/215T	C-210TCR	\$112

List prices subject to change.

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**MRP**  
Multiplicateur

## Max Motion Epact NEMA 12-11 • ODP and TEFC “C” Flange Kits

### ODP “C” Flange

Frame	Cat.#	List Price
143/145T	C-140TCRO	\$48
182/184T	C-180TCRO	\$78
213/215T	C-210TCRO	\$112

List prices subject to change.

### TEFC “C” Flange

Frame	Cat.#	List Price
143/145T	C-140TCR	\$48
182/184T	C-180TCR	\$78
213/215T	C-210TCR	\$112

List prices subject to change.

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**MMR**  
Multiplicateur

## Max Motion Cast Iron Epact and Premium TEFC "C" and "D" Flange Kits

Frame	"C" Flange		"D" Flange	
	Cat. #	List Price	Cat. #	List Price
143/145T	W 140TC	\$52	W 140TD	\$132
182/184T	W 180TC	\$88	W 180TD	\$147
213/215T	W 210TC	\$100	W 210TD	\$159
254/256T	W 250TC/TCP	\$176	W 250TD/TDP	\$323
284/286T	W 280TC	\$240	W 280TD	\$357
324/326T	W 320TC	\$323	W 320TD	\$465
364/365T	W 360TC/TCP	\$450	W 360TD/TDP	\$657
404/405TS	W 400TSC	\$587	W 400TSD	\$949
404/405T	W 400TC/TCP	\$587	W 400TD/TDP	\$949
444/445/447/449TS	W 440TSCP	\$734	W 440TSDP	\$1,242
444/445/447/449T	W 440TC/TCP	\$782	W 440TD/TDP	\$1,242

List prices subject to change.

## Max Motion Cast Iron Epact and Premium TEFC Fan Covers

Frame	Rolled Steel		Cast Iron		Rolled Steel w/ Drip Cover	
	Cat. #	List Price	Cat. #	List Price	Cat. #	List Price
143/145T	W 140FCS	\$65	W 140FCC	\$130	W 140FCS-DC	\$75
182/184T	W 180FCS	\$65	W 180FCC	\$130	W 180FCS-DC	\$75
213/215T	W 210FCS/FCSP	\$90	W 210FCC/FCCP	\$180	W 210FCS-DCE/DCP	\$100
254/256T	W 250FCS/FCSP	\$140	W 250FCC/FCCP	\$280	W 250FCS-DCE/DCP	\$160
284/286T	W 280FCS	\$190	W 280FCC	\$380	W 280FCS-DC	\$200
324/326T	W 320FCS	\$250	W 320FCC	\$500	W 320FCS-DC	\$275
364/365T	W 360FCS/FCSP	\$300	W 360FCC/FCCP	\$600	W 360FCS-DCE/DCP	\$325
404/405TS	W 400FCS/FCSP	\$400	W 400FCC/FCCP	\$800	W 400FCS-DCE-DCP	\$425
404/405T	W 400FCS/FCSP	\$400	W 400FCC/FCCP	\$800	W 400FCS-DCE-DCP	\$425
444/445/447/449TS	W 440FCS/FCSP	\$400	W 440FCC/FCCP	\$800	W 440FCS-DCE/DCP	\$425
444/445/447/449T	W 440FCS/FCSP	\$400	W 440FCC/FCCP	\$800	W 440FCS-DCE/DCP	\$425

List prices subject to change.

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## Max Motion Premium Cast Iron ODP "C" and "D" Flanges

Frame	"C" Flange		"D" Flange	
	Cat. #	List Price	Cat. #	List Price
143/145T	W 140TCO	\$39	W 140TDO	\$98
182/184T	W 180TCO	\$66	W 180TDO	\$109
213/215T	W 210TCO	\$75	W 210TDO	\$118
254/256T	W 250TCO	\$131	W 250TDO	\$240
284/286T	W 280TCO	\$178	W 280TDO	\$265
324/326T	W 320TCO	\$240	W 320TDO	\$345
364/365T	W 360TCO	\$334	W 360TDO	\$581
404/405TS	W 400TSCO	\$436	W 400TSDO	\$704
404/405T	W 400TCO	\$436	W 400TDO	\$704
444/445/447/449TS	W 440TSCO	\$545	W 440TSDO	\$922
444/445/447/449T	W 440TCO	\$545	W 440TDO	\$922

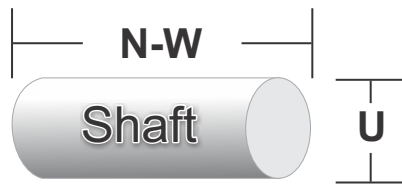
List prices subject to change.

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## Comparisons of Epact and Premium Efficiency

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%
	1800	n/a	96.2%



## NEMA Quick Reference Frame & Shaft Sizes

NEMA			SIZE IN INCHES		
HP	RPM	FRAME	U	U	N-W
		48	1/2	.5000	1.50
		56	5/8	.6250	1.88
		56H	5/8	.6250	1.88
1	3600	143T	7/8	.8750	1.88
	1800	143T	7/8	.8750	2.25
	1200	145T	7/8	.8750	2.25
1.5	3600	143T	7/8	.8750	2.25
	1800	145T	7/8	.8750	2.25
	1200	182T	1-1/8	1.125	2.75
2	3600	145T	7/8	.8750	2.25
	1800	145T	7/8	.8750	2.25
	1200	184T	1-1/8	1.125	2.75
3	3600	182T	1-1/8	1.125	2.75
	1800	182T	1-1/8	1.125	2.75
	1200	213T	1-3/8	1.375	3.38
5	3600	184T	1-1/8	1.125	2.75
	1800	184T	1-1/8	1.125	2.75
	1200	215T	1-3/8	1.375	3.38
7.5	3600	213T	1-3/8	1.375	3.38
	1800	213T	1-3/8	1.375	3.38
	1200	254T	1-5/8	1.625	4.00
10	3600	215T	1-3/8	1.375	3.38
	1800	215T	1-3/8	1.375	3.38
	1200	256T	1-5/8	1.625	4.00
15	3600	254T	1-5/8	1.625	4.00
	1800	254T	1-5/8	1.625	4.00
	1200	284T	1-7/8	1.875	4.62
20	3600	256T	1-5/8	1.625	4.00
	1800	256T	1-5/8	1.625	4.00
	1200	286T	1-7/8	1.875	4.62
25	3600	284TS	1-5/8	1.625	3.25
	1800	284T	1-7/8	1.875	4.62
	1200	324T	2-1/8	1.875	5.25

NEMA			SIZE IN INCHES		
HP	RPM	FRAME	U	U	N-W
30	3600	286TS	1-5/8	1.625	3.25
	1800	286T	1-7/8	1.875	4.62
	1200	326T	2-1/8	2.125	5.25
40	3600	324TS	1-7/8	1.875	3.75
	1800	324T	2-1/8	2.125	5.25
	1200	364T	2-3/8	2.375	5.88
50	3600	326TS	1-7/8	1.875	3.75
	1800	326T	2-1/8	2.125	5.25
	1200	365T	2-3/8	2.375	5.88
60	3600	364TS	1-7/8	1.875	3.75
	1800	364T	2-3/8	2.375	5.88
	1200	404T	2-7/8	2.875	7.25
75	3600	365TS	1-7/8	1.875	3.75
	1800	365T	2-3/8	2.375	5.88
	1200	405T	2-7/8	2.875	7.25
100	3600	405TS	2-1/8	2.125	4.25
	1800	405T	2-7/8	2.875	7.25
	1200	444T	3-3/8	3.375	8.50
125	3600	444TS	2-3/8	2.875	4.75
	1800	444T	3-3/8	3.375	8.50
	1200	445T	3-3/8	3.375	8.50
150	3600	445TS	2-3/8	2.375	4.75
	1800	445T	3-3/8	3.375	8.50
	1200	447T	3-3/8	3.375	8.50
200	3600	447TS	2-3/8	2.375	4.75
	1800	447T	3-3/8	3.375	8.50
	1200	449T	3-3/8	3.375	8.50
250	3600	449TS	2-3/8	2.375	4.75
	1800	449T	3-3/8	3.375	8.50
	1200	449T	3-3/8	3.375	8.50
300	3600	449TS	2-3/8	2.375	4.75
	1800	449T	3-3/8	3.375	8.50
350	1800	449T	3-3/8	3.375	8.50



## Protecting Rings for VFD Driven Motors uKits with Universal Mounting

AEGIS SGR™ NEMA kits are designed for installation on any NEMA frame motor with special mounting bracket that allows the AEGIS™ Shaft Grounding Ring to clear any shaft shoulder, slinger, or other end bracket protrusions and the AEGIS™ SGR shaft diameter matches the motor's standard NEMA "u" dimension.

### Stocked NEMA Motor Solid Ring Protection uKits

Motor shaft diameter "u"	NEMA Frame	SOLID RING		Motor shaft diameter "u"	List Price
		Catalogue Number			
0.625"	56	SGR-0.625-UKIT		5/8"	\$524.00
0.875"	143T, 145T	SGR-0.875-UKIT		7/8"	\$565.00
1.125"	182T, 184T	SGR-1.125-UKIT		1-1/8"	\$605.00
1.375"	213T, 215T	SGR-1.375-UKIT		1-3/8"	\$646.00
1.625"	254T, 256T	SGR-1.625-UKIT		1-5/8"	\$809.00
1.875"	284T, 286T, 324TS, 326TS, 364TS, 365TS	SGR-1.875-UKIT		1-7/8"	\$890.00
2.125"	324T, 326T, 404TS, 405TS	SGR-2.125-UKIT		2-1/8"	\$1,012.00
2.375"	364T, 365T, 444TS, 445TS, 447TS, 449TS	SGR-2.375-UKIT		2-3/8"	\$1,093.00
2.875"	404T, 405T	SGR-2.875-UKIT		2-7/8"	\$1,418.00
3.375"	444T, 445T, 447T, 449T	SGR-3.375-UKIT		3-3/8"	\$1,906.00
	Conductive Epoxy	EP2400			\$366.00
	Colloidal Silver Shaft Coating	CS015			\$524.00

**AEGIS™ SGR uKits include:** (1) "AEGIS" SGR Bearing Protection Ring, (4) universal protection brackets Style 1, (4) universal protection brackets Style 2 (reversible), (4) universal protection brackets Style 3, (4) universal protection brackets Style 4 (reversible), (4) 6-32 x 3/8" socket head cap screws, (4) #6 split lock washers, (4) #6 flat washers, (1) 5/64" & (1) 7/64" Allen wrenches.



#### AEGIS™ Colloidal Silver Shaft Coating

RECOMMENDED - All AEGIS™ Installations

- For motors below 100HP (75kW)

Contains enough for 20-25 applications based on a 3" shaft diameter.

Used to improve conductivity of the steel shaft surface.

Apply to any VFD driven motor shaft prior to installing the AEGIS™ SGR



#### AEGIS™ Conductive Epoxy

2-3 applications. Used to install AEGIS™ SGR without drilling and tapping into the motor end bracket

Multiplier  
**EST**  
Multiplificateur

## STANDARD TERMS AND CONDITIONS OF SALE

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**PAYMENT TERMS:** Payment terms are net 30 days from date of invoice for accounts with credit approval. MEP reserves the right to charge 2% per month on overdue accounts.

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**RETURN GOODS:** MEP will not accept any returns without prior authorization to return by MEP. MEP will only accept returned products properly packaged against breakage accompanied with a returned goods authorization (RGA) number and shipped pre-paid to MEP or its authorized repair shop.

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