



MaxMotion

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 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** - 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 Epack 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
				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
1.5	7	1740	145JM	4.4	2.2	20	1.76	16	84	M	48	6205	6205	16.2
2	11	3500	145JM	5.4	2.7	25	2.16	20	84	L	46	6206	6205	16.2
	12	1720	145JM	5.6	2.8	25	2.24	20	84	L	51	6206	6205	16.2
3	16S	3480	145JM	8.2	4.1	32	3.3	26	85.5	K	88	6206	6205	16.2
	16	6308	182JM	7.4	3.7	32	2.96	26	85.5	K	88	6308	6306	17.5
	17	1745	182JM	8	4	32	3.2	26	87.5	K	89	6208	6305	17.5
5	21	3500	184JM	12	6	46	4.8	37	87.5	J	101	6208	6306	18.5
	22	1745	184JM	13	6.5	46	5.2	37	87.5	J	101	6208	6306	18.5
7.5	26S	3500	184JM	17.6	8.8	63	7.04	50	88.5	H	101	6309	6308	18.5
	26	3510	213JM	17.6	8.8	63	7.04	50	88.5	H	136	6309	6308	20.8
	27	1750	213JM	18.4	9.2	63	7.4	50	89.5	H	136	6309	6308	20.8
10	31	3500	215JM	23	11.5	81	9.2	65	89.5	H	152	6309	6308	22.3
	32	1750	215JM	24	12	81	9.6	65	89.5	H	160	6309	6308	22.3
15	36S	3510	215JM	35	17.5	116	14	93	90.2	G	162	6309	6308	22.3
	36	3540	254JM	35	17.5	116	14	93	90.2	G	253	6309	6309	26.2
	37	1760	254JM	36.4	18.2	116	14.6	93	91	G	270	6309	6309	24.7
20	41	3520	256JM	45	22.5	145	18	116	90.2	G	304	63609	6309	26.5
	42	1750	256JM	48.4	24.2	145	19.4	116	91	G	306	6309	6309	26.5
25	46S	3535	256JM	56	28	182	22.4	146	91	G	365	6311	6311	26.5
	46	3535	284JM	56	28	182	22.4	146	91	G	385	6311	6311	27.5
	47	1765	284JM	60	30	182	24	146	92.4	G	372	6311	6311	29.1
30	51	3540	286JM	67.4	33.7	217	26.9	174	91	G	387	6311	6311	29.1
	52	1760	286JM	70.6	35.3	217	28.2	147	92.4	G	387	6311	6311	29.1
40	56S	3540	286JM	90	45	290	36	232	91.7	G	435	6311	6311	29.1
	56	3540	324JM	89	44.5	290	36	232	91.7	G	435	6311	6311	30
	57	1770	324JM	93.2	46.6	290	37.3	232	93	G	521	6312	6312	30
50	61	3545	326JM	110	55	362	44	290	92.4	G	532	6312	6312	31.5

* Other performance data is available upon request from MEP

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
				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
3	17	1745	182JP	8	4	32	3.2	26	87.5	K	89	6208	6306	20.5
5	22	1745	184JP	13	6.5	46	5.2	37	87.5	J	101	6208	6306	21.5
7.5	27	1750	213JP	18.4	9.2	63	7.4	50	89.5	H	1.36	6309	6308	24.7
10	32	1750	215JP	24	12	81	9.6	65	89.5	H	160	6309	6308	26.2
15	36S	3510	215JP	35	17.5	116	14	93	90.2	G	162	6309	6308	24.7
	36	3540	254JP	35	17.5	116	14	93	90.2	G	253	6309	6309	27.6

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