

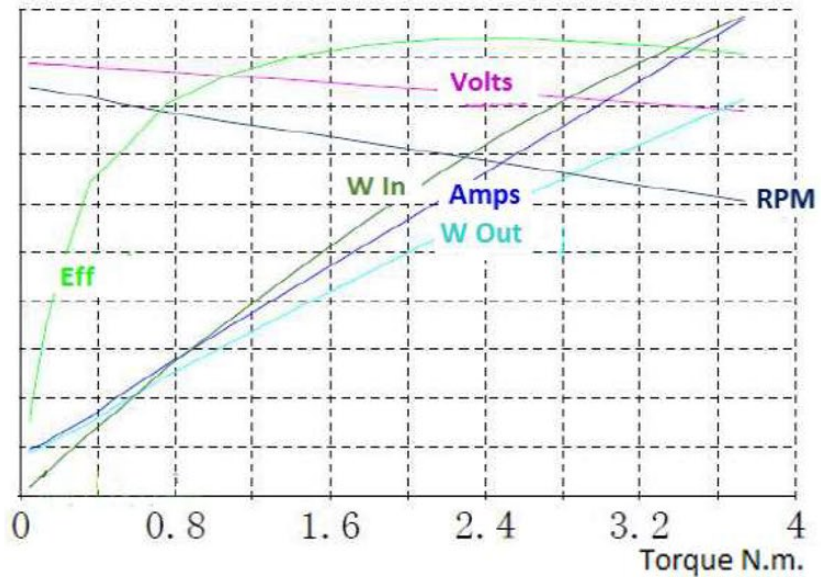
Model: MM7512FC

Description: MaxMotion 0.75HP, 1750RPM, 12VDC, TEFC, 56C

Tester: 01

Test Date: 2018.04.24

V	A	W In	RPM	W out	Eff.%
15	70	1000	2500	600	80
13.5	63	900	2250	540	72
12	56	800	2000	480	64
10.5	49	700	1500	420	56
9	42	600	1500	360	48
7.5	35	500	1250	300	40
6	28	400	1000	240	32
4.3	21	300	750	180	24
3	14	200	500	120	16
1.5	7	100	250	60	8
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	13.31	6.72	89.46	0.05	2095	10.97	12.3%
Rated	12.04	61.9	745.6	3.34	1573	550	73.8%
Efficiency Max.	12.38	48.92	605.6	2.55	1699	454.3	75.0%
Max. Kw Output	11.88	68.45	813	3.74	1511	591.4	72.7%
Max. Torq. Output	11.88	68.45	813	3.74	1511	591.4	72.7%
End	11.88	68.45	813	3.74	1511	591.4	72.7%

Load	Measure	V	A	Input Watts	N.m.	RPM	Output Watts	%
2.0%	1	13.31	6.72	89.46	0.05	2095	10.97	12.3%
2.4%	2	13.31	6.83	90.91	0.06	2091	13.14	14.4%
3.2%	3	13.30	7.106	94.52	0.08	2089	17.50	18.5%
5.2%	4	13.29	7.754	103.0	0.13	2083	28.79	27.9%
8.1%	5	13.26	9.085	120.5	0.21	2068	44.60	37.0%
14.0%	6	13.2	11.32	149.4	0.36	2045	77.08	51.6%
19.4%	7	13.13	14.48	190.2	0.51	2013	106.6	56.1%
28.7%	8	13.04	18.80	245.2	0.76	1971	157.7	64.3%
38.8%	9	12.92	23.97	309.5	1.06	1921	213.2	68.9%
50.3%	10	12.79	29.98	383.4	1.42	1868	276.9	72.2%
61.7%	11	12.64	36.26	458.4	1.79	1812	339.2	74.0%
72.3%	12	12.52	42.43	531.3	2.16	1756	397.9	74.9%
82.6%	13	12.38	48.92	605.6	2.55	1699	454.3	75.0%
91.6%	14	12.22	55.34	676.1	2.94	1636	503.9	74.5%
100.0%	15	12.04	61.90	745.6	3.34	1573	550.0	73.8%
100.2%	16	12.04	62.04	747.1	3.35	1572	551.0	73.8%
107.5%	17	11.88	68.45	813	3.74	1511	591.4	72.7%

LOW VOLTAGE DC PERMANENT MAGNET MOTOR

HEAVY GAUGE ROLLED STEEL CONSTRUCTION | TENV TOTALLY NON-VENTILATED & TEFC TOTALLY ENCLOSED FAN COOLED SCR RATED, 12, 24, 48VDC

MaxMotion

Applications:

Low voltage permanent magnet DC motors are suitable for installations having batteries or generator supplied low voltage DC.



Features:

Design - Low voltage

Construction - Rolled Steel, NEMA C-Face Footed with Removable Base

Agency listings and standard - NEMA, UL Recognized and CSA Certified, RoHS Compliant

Service Factor - 1.0

IP Rating - IP45

Insulation - Class F Insulation

Speed Range - 20:1 Constant Torque, Linear Speed/Torque Characteristics over entire speed range

Voltage - 12V, 24V & 48V

Bearings - Permanently Lubricated High quality Double Shielded Ball Bearings

Enclosure Protection - (TEFC) Totally Enclosed Fan Cooled & (TENV) Totally Enclosed Non-Ventilated

Duty - Continuous

Warranty - 18 Months

LOW VOLTAGE DC PERMANENT MAGNET MOTOR

HEAVY GAUGE ROLLED STEEL CONSTRUCTION | TENV TOTALLY NON-VENTILATED & TEFC TOTALLY ENCLOSED FAN COOLED SCR RATED, 12, 24, 48VDC



HP	FL RPM	VOLTS	FRAME	CAT NO.	CONSTRUCTION	ENCLOSURE	NOM EFF.	F.L. AMPS	DE BEARING	NDE BEARING	WT (Lbs)	"C" Dimension (Inch)
0,25	1680	12	56C	MM2512NV	ROLLED STEEL	TENV	62,40%	30,9	6203	6203	21	10,01
	1680	12	56C	MM2512FC	ROLLED STEEL	TEFC	62,40%	30,9	6203	6203	21	11,6
	1758	24	56C	MM2524FC	ROLLED STEEL	TEFC	62,80%	15,46	6203	6203	21	11,6
	1815	48	56C	MM2548FC	ROLLED STEEL	TEFC	67,50%	7,73	6203	6203	21	11,6
1/3	1789	12	56C	MM3312NV	ROLLED STEEL	TENV	71,30%	38,3	6203	6203	23	10,01
	1789	12	56C	MM3312FC	ROLLED STEEL	TEFC	71,30%	38,3	6203	6203	23	11,6
	1527	24	56C	MM3324NV	ROLLED STEEL	TENV	64,80%	19,1	6203	6203	23	10,01
	1527	24	56C	MM3324FC	ROLLED STEEL	TEFC	64,80%	19,1	6203	6203	23	11,6
	1753	48	56C	MM3348FC	ROLLED STEEL	TEFC	71,40%	9,56	6203	6203	23	11,6
0,5	1714	12	56C	MM5012NV	ROLLED STEEL	TENV	70,90%	47,16	6203	6203	25	10,95
	1714	12	56C	MM5012FC	ROLLED STEEL	TEFC	70,90%	47,12	6203	6203	25	12,49
	1646	24	56C	MM5024FC	ROLLED STEEL	TEFC	77,90%	23,56	6203	6203	25	12,49
	1678	24	56C	MM5048NV	ROLLED STEEL	TENV	78,50%	11,78	6203	6203	25	10,95
	1678	48	56C	MM5048FC	ROLLED STEEL	TEFC	78,50%	11,78	6203	6203	25	12,49
0,75	1573	12	56C	MM7512FC	ROLLED STEEL	TEFC	73,80%	73,6	6203	6203	30	13,55
	1775	24	56C	MM7524FC	ROLLED STEEL	TEFC	75,20%	31,8	6203	6203	30	13,55
1	1672	12	56C	MM1012FC	ROLLED STEEL	TEFC	74,30%	95,4	6203	6203	32	14,3
	1764	24	56C	MM1024FC	ROLLED STEEL	TEFC	77,10%	47,7	6203	6203	32	14,3

