

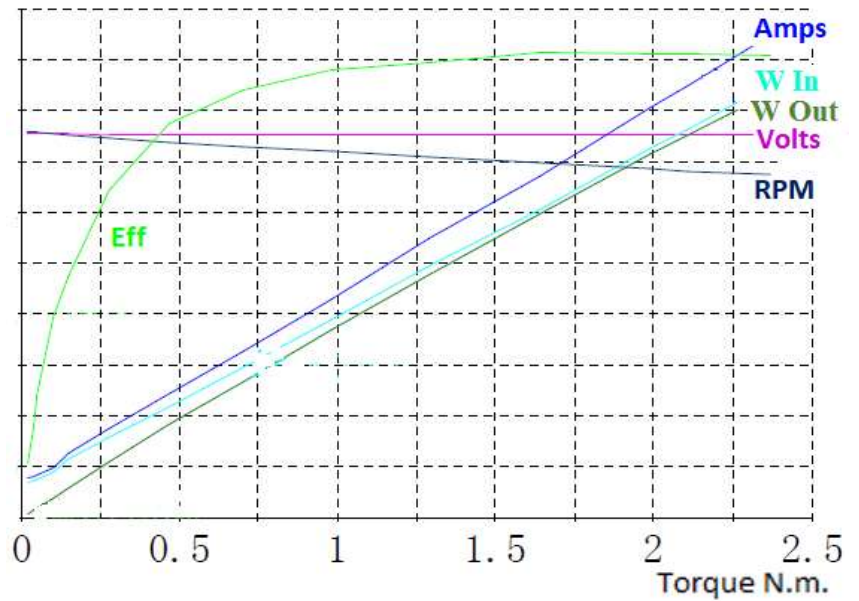
Model: MM5090FC/NV

Description: MaxMotion 0.50HP, 1750RPM, 90VDC, TEFC/NV, 56C

Tester: 01

Test Date: 2018.04.24

V	A	W In	RPM	W out	Eff. %
120	6	600	2500	500	90
108	5.4	540	2250	450	81
96	4.8	480	2000	400	72
84	4.2	420	1750	350	63
72	3.6	360	1500	300	54
60	3	300	1250	250	45
48	2.4	240	1000	200	36
36	1.8	180	750	150	27
24	1.2	120	500	100	18
12	0.6	60	250	50	9
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	90.33	0.464	41.90	0.02	1893	3.964	9.5%
Rated	90.01	5.089	458.1	2.11	1702	375	81.9%
Efficiency Max.	90.11	4.030	363.1	1.64	1740	298	82.1%
Max. Kw Output	90	5.678	511.0	2.37	1681	417.1	81.6%
Max. Torq. Output	90	5.678	511.0	2.37	1681	417.1	81.6%
End	90	5.678	511.0	2.37	1681	417.1	81.6%

Load	Measure	V	A	Input Watts	N.m.	RPM	Output Watts	Eff %
1.1%	1	90.33	0.464	41.90	0.02	1893	3.96	9.5%
1.9%	2	90.33	0.483	43.62	0.04	1892	7.13	16.3%
2.6%	3	90.32	0.505	45.62	0.05	1890	9.89	21.7%
5.1%	4	90.3	0.592	53.50	0.1	1885	18.95	35.4%
7.9%	5	90.28	0.764	69.00	0.15	1877	29.48	42.7%
14.6%	6	90.24	1.045	94.28	0.28	1863	54.62	57.9%
24.4%	7	90.21	1.454	131.2	0.47	1842	91.41	69.7%
35.7%	8	90.2	1.964	177.1	0.7	1820	133.8	75.5%
49.0%	9	90.17	2.581	232.8	0.98	1795	183.8	79.0%
63.6%	10	90.14	3.288	296.3	1.29	1768	238.4	80.5%
79.5%	11	90.11	4.03	363.1	1.64	1740	298.0	82.1%
95.0%	12	90.02	4.828	434.6	1.99	1712	356.3	82.0%
100.0%	13	90.01	5.089	458.1	2.11	1702	375.0	81.9%
111.2%	14	90	5.678	511.0	2.37	1681	417.1	81.6%