



## Motor Test Report

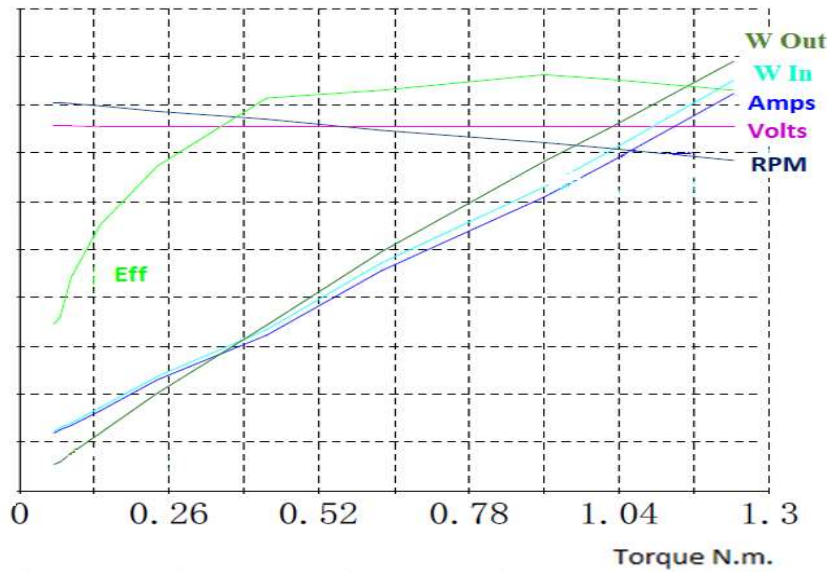
Model: MM2590FC/NV

Description: MaxMotion 0.25HP, 1750RPM, 90VDC, TEFC/NV, 56C

Tester: 01

Test Date: 2019.04.08

V	A	W In	RPM	W out	Eff.%
120	4	350	2500	250	90
108	3.6	315	2250	225	81
96	3.2	280	2000	200	72
84	2.8	245	1750	175	63
72	2.4	210	1500	150	54
60	2	175	1250	125	45
48	1.6	140	1000	100	36
36	1.2	105	750	75	27
24	0.8	70	500	50	18
12	0.4	35	250	25	9
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	90.65	0.480	43.5	0.06	2014	13.5	31.0%
Rated	90.46	2.709	245.0	1.02	1773	187.5	76.7%
Efficiency Max.	90.47	2.432	220.0	0.91	1802	170.9	77.7%
Max. Kw Output	90.43	3.29	297.5	1.24	1712	222.3	74.7%
Max. Torq. Output	90.43	3.29	297.5	1.24	1712	222.3	74.7%
End	90.43	3.29	297.5	1.24	1712	222.3	74.7%

Load	Measurement	V	A	Input Watts	N.m.	RPM	Output Watts	Eff %
7.2%	1	90.65	0.480	43.47	0.06	2014	<b>13.50</b>	31.0%
7.9%	2	90.65	0.503	45.56	0.07	2012	<b>14.75</b>	32.4%
10.3%	3	90.65	0.537	48.66	0.09	2008	<b>19.34</b>	39.8%
15.8%	4	90.62	0.662	59.97	0.14	1995	<b>29.66</b>	49.5%
26.8%	5	90.59	0.915	82.93	0.24	1967	<b>50.25</b>	60.6%
45.8%	6	90.55	1.293	117.1	0.43	1925	<b>85.86</b>	73.3%
65.9%	7	90.52	1.827	165.4	0.63	1868	<b>123.6</b>	74.7%
91.1%	8	90.47	2.432	220.0	0.91	1802	<b>170.9</b>	77.7%
<b>100.0%</b>	<b>9</b>	<b>90.46</b>	<b>2.709</b>	<b>245.0</b>	<b>1.02</b>	<b>1773</b>	<b>187.5</b>	<b>76.7%</b>
118.6%	10	90.43	3.290	297.5	1.24	1712	<b>222.3</b>	74.7%
153.0%	11	48.07	8.756	420.9	1.64	1667	<b>286.9</b>	68.2%