

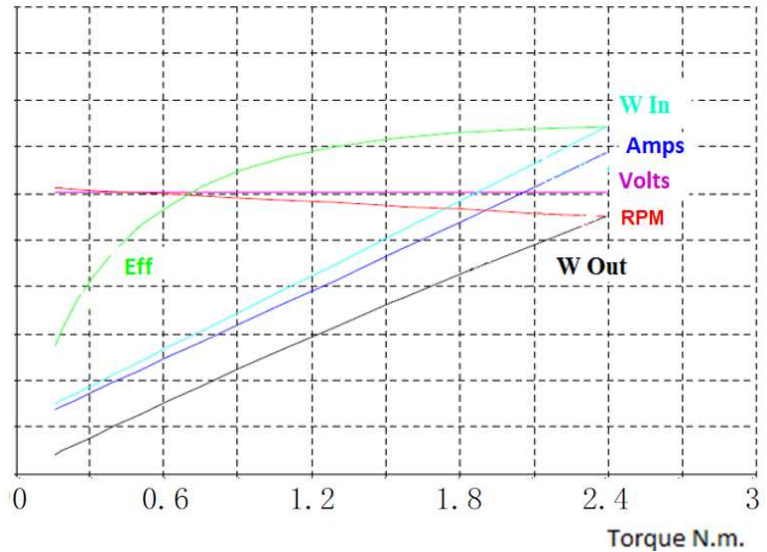
Model: MM5018FC/NV

Description: MaxMotion 0.50HP, 1750RPM, 180VDC, TEFC/NV, 56C

Tester: 01

Test Date: 2018.11.09

V	A	W In	RPM	W out	Eff.%
300	5	700	300	500	100
270	4.5	630	2700	450	90
240	4	560	2400	400	80
210	3.5	490	2100	350	70
180	3	420	1800	300	60
150	2.5	350	1500	250	50
120	2	280	1200	200	40
90	1.5	210	900	150	30
60	1	140	600	100	20
30	0.5	70	300	50	10
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	180.2	0.391	70.66	0.106	1905	21.22	30.0%
Rated	180.1	2.554	460.2	2.044	1752	375	81.4%
Efficiency Max.	180	2.812	506.4	2.278	1734	413.6	81.6%
Max. Kw Output	180	3.142	565.9	2.571	1710	460.4	81.3%
Max. Torq. Output	180	3.142	565.9	2.571	1710	460.4	81.3%
End	180	3.142	565.9	2.571	1710	460.4	81.3%

Load	Measure	V	A	Input Watts	N.m.	RPM	Output Watts	Eff %
5.7%	1	180.2	0.391	70.66	0.106	1905	<b>21.22</b>	30.0%
6.4%	2	180.2	0.411	74.18	0.12	1904	<b>24.08</b>	32.4%
8.2%	3	180.2	0.449	81.0	0.154	1901	<b>30.81</b>	38.0%
10.7%	4	180.2	0.503	90.7	0.202	1897	<b>40.19</b>	44.3%
13.8%	5	180.2	0.566	102.1	0.26	1892	<b>51.66</b>	50.5%
17.2%	6	180.2	0.641	115.6	0.326	1887	<b>64.56</b>	55.8%
21.5%	7	180.2	0.735	132.5	0.41	1892	<b>80.61</b>	60.8%
26.2%	8	180.2	0.837	150.9	0.502	1872	<b>98.39</b>	65.1%
31.8%	9	180.2	0.958	172.6	0.611	1863	<b>119.2</b>	69.0%
37.9%	10	180.1	1.096	197.6	0.734	1852	<b>142.3</b>	72.0%
45.0%	11	180.1	1.255	226.2	0.875	1841	<b>168.6</b>	74.5%
52.5%	12	180.1	1.427	257.1	1.029	1828	<b>197.0</b>	76.6%
61.1%	13	180.1	1.62	292.0	1.207	1814	<b>229.2</b>	78.5%
70.3%	14	180.1	1.836	330.9	1.401	1798	<b>263.7</b>	79.7%
80.2%	15	180.1	2.076	374.0	1.614	1778	<b>300.6</b>	80.3%
90.9%	16	180.1	2.335	420.6	1.848	1761	<b>340.7</b>	81.0%
<b>100.0%</b>	<b>17</b>	<b>180.1</b>	<b>2.554</b>	<b>460.2</b>	<b>2.044</b>	<b>1752</b>	<b>375.0</b>	<b>81.4%</b>
<b>100.0%</b>	<b>18</b>	<b>180.1</b>	<b>2.554</b>	<b>460.2</b>	<b>2.044</b>	<b>1752</b>	<b>375.0</b>	<b>81.4%</b>
110.3%	19	180	2.812	506.4	2.278	1734	<b>413.6</b>	81.6%
122.8%	20	180	3.142	565.9	2.571	1710	<b>460.4</b>	81.3%