

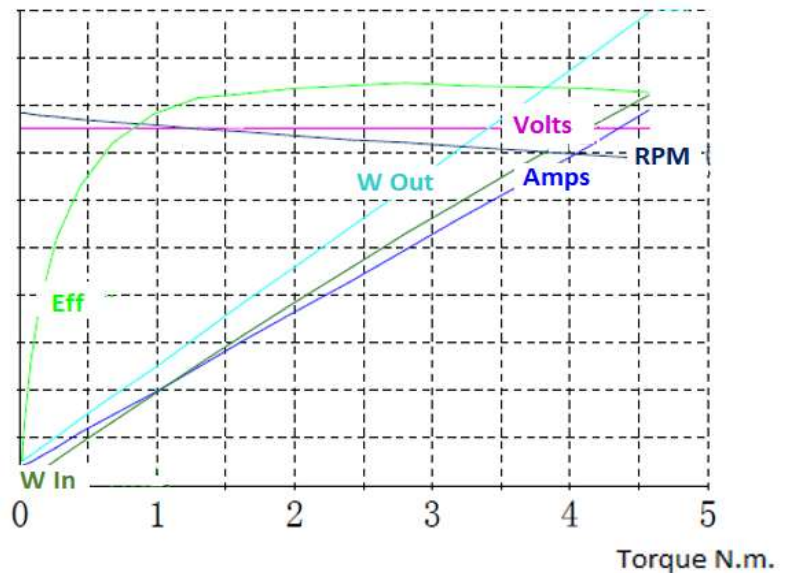
Model: MM1090FC

Description: MaxMotion 1HP, 1750RPM, 90VDC, TEFC, 56C

Tester: 01

Test Date: 2018.04.24

V	A	W In	RPM	W out	Eff.%
120	14	1000	2500	1000	100
108	12.6	900	2250	900	90
96	11.2	800	2000	800	80
84	9.8	700	1750	700	70
72	8.4	600	1500	600	60
60	7	500	1250	500	50
48	5.6	400	1000	400	40
36	4.2	300	750	300	30
24	2.8	200	500	200	20
12	1.4	100	250	100	10
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	90.5	0.58	52.47	0.02	1962	4.108	7.8%
Rated	90.06	9.971	898.0	4.12	1739	750	83.5%
Efficiency Max.	90.14	6.948	626.3	2.81	1804	530.7	84.7%
Max. Kw Output	90.02	11.05	994.8	4.58	1717	823.3	82.8%
Max. Torq. Output	90.02	11.05	994.8	4.58	1717	823.3	82.8%
End	90.02	11.05	994.8	4.58	1717	823.3	82.8%

Load	Measure	V	A	Input Watts	N.m.	RPM	Output Watts	%
0.5%	1	90.5	0.58	52.47	0.02	1962	4.11	7.8%
0.4%	2	90.48	0.595	53.87	0.01	1961	2.87	5.3%
0.9%	3	90.45	0.622	56.28	0.03	1960	6.98	12.4%
2.2%	4	90.45	0.701	63.40	0.08	1957	16.39	25.9%
4.0%	5	90.42	0.876	79.17	0.15	1950	30.22	38.2%
7.3%	6	90.41	1.155	104.14	0.27	1942	54.49	52.2%
12.0%	7	90.39	1.572	142.1	0.44	1929	89.67	63.1%
18.2%	8	90.36	2.09	188.7	0.68	1914	136.2	72.2%
25.6%	9	90.34	2.716	245.4	0.97	1898	192.0	78.2%
34.2%	10	90.3	3.478	314.1	1.3	1880	256.3	81.6%
42.4%	11	90.25	4.28	386.3	1.63	1862	318.2	81.6%
51.4%	12	90.21	5.115	461.5	2	1842	385.7	82.4%
61.0%	13	90.17	6.016	542.5	2.4	1823	457.3	83.6%
70.8%	14	90.14	6.948	626.3	2.81	1804	530.7	84.3%
80.1%	15	90.12	7.91	713.1	3.22	31783	600.7	84.7%
90.5%	16	90.1	8.967	807.8	3.68	1761	678.9	84.2%
100.0%	17	90.06	9.968	897.7	4.12	1739	749.8	84.0%
100.0%	18	90.06	9.971	898.0	4.12	1739	750.0	83.5%
109.8%	19	90.02	11.05	994.8	4.58	1717	823.3	82.8%