



Motor Test Report

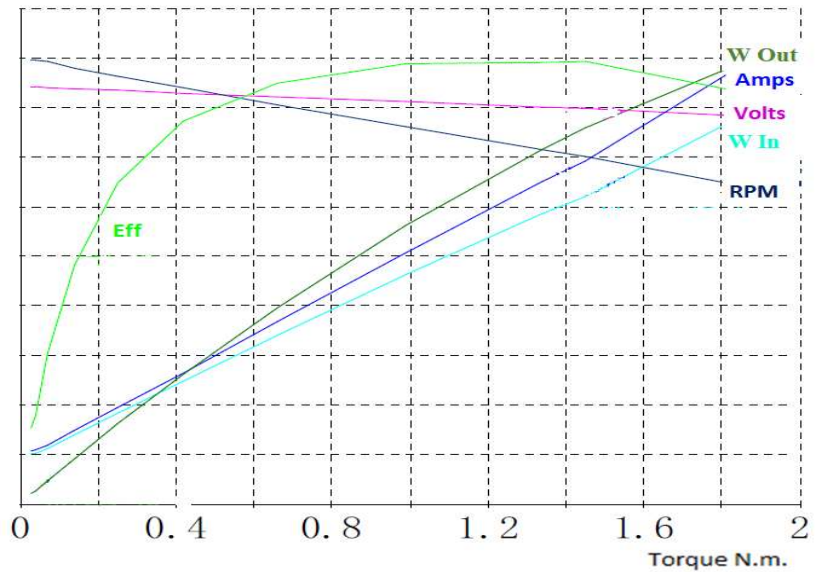
Model: MM3312FC/NV

Description: MaxMotion 0.33HP, 1750RPM, 12VDC, TEFC/NV, 56C

Tester: 01

Test Date: 2019.03.07

V	A	W In	RPM	W out	Eff.%
15	45	600	2500	350	80
13.5	40.5	540	2250	315	72
12	36	480	2000	280	64
10.5	31.5	420	1750	245	56
9	27	360	1500	210	48
7.5	22.5	300	1250	175	40
6	18	240	1000	140	32
4.5	13.5	180	750	105	24
3	9	120	500	70	16
1.5	4.5	60	250	35	8
0	0	0	0	0	0



Measured Points	V	A	Input Watts	N.m.	RPM	Output Watts	%
No Load	12.61	4.857	61.25	0.03	2237	7.495	12.2%
Rated	12.01	29.21	350.6	1.34	1789	250	71.3%
Efficiency Max.	11.97	31.10	372.3	1.45	1755	265.7	71.4%
Max. Kw Output	11.77	38.95	458.7	1.81	1622	306.7	66.9%
Max. Torq. Output	11.77	38.95	458.7	1.81	1622	306.7	66.9%
End	11.77	38.95	458.7	1.81	1622	306.7	66.9%

Load	Measure	V	A	Input Watts	N.m.	RPM	Output Watts	Eff %
3.0%	1	12.61	4.857	61.25	0.03	2237	7.50	12.2%
3.6%	2	12.61	4.898	61.79	0.04	2240	8.91	14.4%
6.5%	3	12.6	5.342	67.32	0.07	2231	16.35	24.3%
12.9%	4	12.56	6.668	83.74	0.14	2199	32.23	38.5%
22.8%	5	12.51	8.767	109.6	0.25	2157	56.91	51.9%
36.7%	6	12.42	11.94	148.4	0.42	2097	91.77	61.8%
55.4%	7	12.31	16.59	204.3	0.66	2012	138.6	67.9%
78.8%	8	12.16	22.82	277.6	0.99	1902	197.1	71.0%
100.0%	9	12.01	29.210	350.6	1.34	1789	250.0	71.3%
106.3%	10	11.97	31.1	372.3	1.45	1755	265.7	71.4%
122.7%	11	11.77	38.95	458.7	1.81	1622	306.7	66.9%