

# Motor Test Report

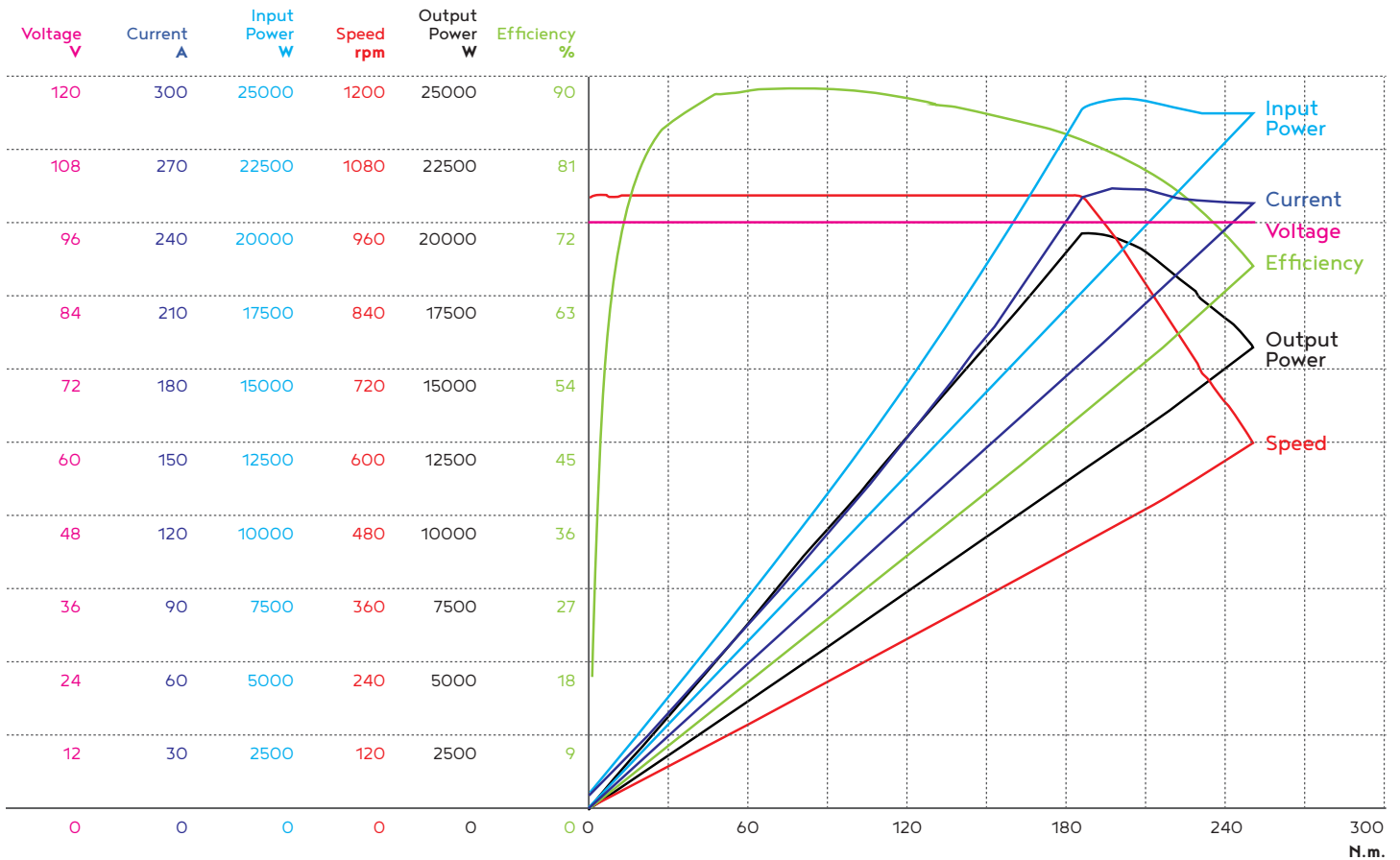
MWM In-wheel 196 Hub Motor



**MW MOTORS**

We challenge the norm

<b>Customer:</b>		<b>Rated Voltage:</b>	
<b>Product Name:</b>		<b>Rated Power:</b>	
<b>Type:</b>		<b>Tester:</b>	
<b>Number:</b>	201703030011	<b>Test Date:</b>	2017.03.03



Feature Points	Voltage V	Current A	Input Power W	Torque N.m	Speed rpm	Output Power W	Efficiency %
No_Load	96.38	5.839	562.7	0.8	1000.9	83.84	14.9
Eff_max	96.08	100.7	9676	81.8	1001.1	8574	88.6
Pout_max	95.60	251.5	24042	190.6	984.1	19639	81.7
Torque_max	95.59	248.3	23733	255.4	579.0	15483	65.2
End	96.34	0.560	53.96	0.5	0	0	0

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No.	Voltage V	Current A	Input Power W	Torque N.m	Speed rpm	Output Power W	Efficiency %
1	96.38	5.839	562.7	0.8	1000.9	83.84	14.9
2	96.38	5.945	573.0	0.9	1000.7	94.30	16.5
3	96.38	6.216	599.1	0.9	1001.5	94.37	15.8
4	96.38	6.207	598.3	1.1	1001.2	115.3	19.3
5	96.38	6.513	627.8	1.3	1002.1	136.4	21.7
6	96.38	6.795	654.9	1.6	1001.6	167.8	25.6
7	96.37	7.619	734.3	2.2	1001.5	230.7	31.4
8	96.37	8.425	811.9	3.0	1001.4	314.5	38.7
9	96.37	9.809	945.2	4.3	1001.2	450.8	47.7
10	96.36	11.78	1135	5.9	1001.3	618.5	54.5
11	96.35	12.91	1244	7.3	1001.0	765.1	61.5
12	96.34	16.31	1572	10.1	1001.0	1059	67.4
13	96.33	19.23	1852	12.6	1001.2	1321	71.3
14	96.33	22.36	2154	15.4	1001.2	1614	74.9
15	96.32	25.90	2495	18.5	1001.4	1940	77.8
16	96.30	29.46	2837	21.8	1001.3	2285	80.6
17	96.29	33.56	3231	25.5	1001.5	2674	82.8
18	96.27	38.31	3689	29.6	1001.4	3103	84.1
19	96.26	43.16	4155	33.7	1001.1	3532	85.0
20	96.24	48.55	4673	38.3	1001.4	4016	85.9
21	96.23	54.02	5198	43.0	1001.3	4508	86.7
22	96.21	59.68	5742	48.0	1001.4	5033	87.6
23	96.19	66.09	6357	53.2	1001.5	5578	87.7
24	96.17	72.32	6955	58.4	1001.2	6122	88.0
25	96.15	79.14	7609	64.0	1001.4	6710	88.2
26	96.13	86.18	8285	69.8	1001.1	7316	88.3
27	96.11	93.18	8955	75.6	1001.1	7924	88.5
28	96.08	100.7	9676	81.8	1001.1	8574	88.6
29	96.06	108.0	10377	87.5	1001.0	9170	88.4
30	96.04	115.7	11106	93.4	1001.2	9791	88.2
31	96.01	123.3	11835	99.5	1001.2	10430	88.1
32	95.99	130.7	12548	105.4	1001.1	11048	88.0
33	95.97	138.7	13311	111.1	1001.3	11647	87.5
34	95.94	146.1	14014	116.9	1001.1	12254	87.4
35	95.92	153.5	14723	122.2	1001.1	12808	87.0
36	95.89	160.6	15402	127.6	1001.0	13373	86.8
37	95.87	167.3	16042	132.1	1001.2	13847	86.3
38	95.85	173.2	16603	136.3	1001.6	14293	86.1
39	95.84	178.4	17100	140.0	1001.6	14681	85.9

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<b>Product Name:</b>		<b>Rated Power:</b>	
<b>Type:</b>		<b>Tester:</b>	
<b>Number:</b>	201703030011	<b>Test Date:</b>	2017.03.03

	Voltage	Current	Input Power	Torque	Speed	Output Power	Efficiency
40	95.82	183.7	17601	143.8	1001.5	15078	85.7
41	95.80	188.9	18097	147.4	1001.6	15457	85.4
42	95.79	194.1	18590	151.0	1001.5	15833	85.2
43	95.77	199.3	19090	154.6	1001.6	16213	84.9
44	95.75	204.5	19577	158.1	1001.6	16580	84.7
45	95.74	209.8	20090	161.8	1001.4	16964	84.4
46	95.72	215.3	20610	165.3	1001.4	17331	84.1
47	95.70	221.0	21146	169.0	1001.5	17722	83.8
48	95.68	226.8	21702	172.8	1001.6	18121	83.5
49	95.66	232.3	22218	176.3	1001.6	18488	83.2
50	95.64	238.1	22772	179.8	1001.5	18853	82.8
51	95.62	243.7	23302	183.2	1001.7	19214	82.5
52	95.60	249.8	23879	187.1	1000.8	19605	82.1
53	95.60	251.5	24042	190.6	984.1	19639	81.7
54	95.59	252.5	24133	194.2	960.1	19521	80.9
55	95.59	253.4	24226	198.5	938.6	19508	80.5
56	95.59	253.3	24212	202.8	909.9	19320	79.8
57	95.59	253.3	24212	206.4	886.4	19155	79.1
58	95.59	252.8	24163	210.3	860.7	18951	78.4
59	95.59	252.5	24136	214.7	832.9	18724	77.6
60	95.59	250.1	23907	218.9	799.8	18330	76.7
61	95.59	249.6	23861	222.6	776.6	18100	75.9
62	95.60	248.9	23796	226.0	752.1	17796	74.8
63	95.59	248.6	23760	230.0	731.8	17622	74.2
64	95.60	248.1	23718	232.8	710.9	17328	73.1
65	95.59	248.2	23722	235.9	692.7	17109	72.1
66	95.60	248.2	23724	239.5	672.9	16873	71.1
67	95.59	247.8	23688	242.8	652.7	16592	70.0
68	95.59	247.9	23698	246.1	633.0	16310	68.8
69	95.59	247.7	23682	249.2	613.9	16017	67.6
70	95.59	247.8	23688	252.2	596.2	15744	66.5
71	95.59	248.3	23733	255.4	579.0	15483	65.2
72	96.34	0.560	53.96	0.5	0	0	0