

UNITE MOTOR TESTINGDATA SHEET (1016z350w36v)

	T (N.m)	Speed (rpm)	P-in (W)	V	Current (A)
1	0.02	3584	7.51	36.10	1.64
2	0.03	3574	12.93	36.10	1.77
3	0.05	3564	18.32	36.10	1.90
4	0.06	3554	23.69	36.10	2.03
5	0.08	3545	29.02	36.10	2.17
6	0.09	3535	34.33	36.10	2.30
7	0.11	3525	39.61	36.10	2.43
8	0.12	3516	44.85	36.11	2.56
9	0.14	3506	50.07	36.11	2.69
10	0.15	3496	55.26	36.11	2.82
11	0.17	3487	60.42	36.11	2.95
12	0.18	3477	65.55	36.11	3.08
13	0.19	3467	70.65	36.11	3.22
14	0.21	3458	75.72	36.11	3.35
15	0.22	3448	80.76	36.11	3.48
16	0.24	3438	85.77	36.11	3.61
17	0.25	3429	90.75	36.11	3.74
18	0.27	3419	95.70	36.11	3.87
19	0.28	3409	100.62	36.11	4.00
20	0.30	3400	105.52	36.12	4.13
21	0.31	3390	110.38	36.12	4.27
22	0.33	3380	115.21	36.12	4.40
23	0.34	3371	120.02	36.12	4.53
24	0.35	3361	124.79	36.12	4.66
25	0.37	3351	129.54	36.12	4.79
26	0.38	3342	134.26	36.12	4.92
27	0.40	3332	138.94	36.12	5.05
28	0.41	3322	143.60	36.12	5.19
29	0.43	3313	148.23	36.12	5.32
30	0.44	3303	152.83	36.12	5.45
31	0.46	3293	157.40	36.12	5.58
32	0.47	3284	161.93	36.13	5.71
33	0.49	3274	166.44	36.13	5.84
34	0.50	3264	170.92	36.13	5.97
35	0.51	3254	175.38	36.13	6.10
36	0.53	3245	179.80	36.13	6.24
37	0.54	3235	184.19	36.13	6.37
38	0.56	3225	188.55	36.13	6.50
39	0.57	3216	192.89	36.13	6.63
40	0.59	3206	197.19	36.13	6.76
41	0.60	3196	201.46	36.13	6.89
42	0.62	3187	205.71	36.13	7.02

43	0.63	3177	209.92	36.13	7.16
44	0.65	3167	214.11	36.13	7.29
45	0.66	3158	218.26	36.14	7.42
46	0.67	3148	222.39	36.14	7.55
47	0.69	3138	226.49	36.14	7.68
48	0.70	3129	230.56	36.14	7.81
49	0.72	3119	234.59	36.14	7.94
50	0.73	3109	238.60	36.14	8.07
51	0.75	3100	242.58	36.14	8.21
52	0.76	3090	246.53	36.14	8.34
53	0.78	3080	250.45	36.14	8.47
54	0.79	3071	254.34	36.14	8.60
55	0.81	3061	258.21	36.14	8.73
56	0.82	3051	262.04	36.14	8.86
57	0.83	3042	265.84	36.15	8.99
58	0.85	3032	269.61	36.15	9.12
59	0.86	3022	273.36	36.15	9.26
60	0.88	3013	277.07	36.15	9.39
61	0.89	3003	280.76	36.15	9.52
62	0.91	2993	284.41	36.15	9.65
63	0.92	2984	288.04	36.15	9.78
64	0.94	2974	291.63	36.15	9.91
65	0.95	2964	295.20	36.15	10.04
66	0.97	2955	298.74	36.15	10.18
67	0.98	2945	302.24	36.15	10.31
68	0.99	2935	305.72	36.15	10.44
69	1.01	2925	309.17	36.15	10.57
70	1.02	2916	312.59	36.16	10.70
71	1.04	2906	315.98	36.16	10.83
72	1.05	2896	319.34	36.16	10.96
73	1.07	2887	322.67	36.16	11.09
74	1.08	2877	325.97	36.16	11.23
75	1.10	2867	329.24	36.16	11.36
76	1.11	2858	332.49	36.16	11.49
77	1.13	2848	335.70	36.16	11.62
78	1.14	2838	338.88	36.16	11.75
79	1.15	2829	342.04	36.16	11.88
80	1.17	2819	345.16	36.16	12.01
81	1.18	2809	348.26	36.16	12.15
82	1.20	2800	351.32	36.17	12.28
83	1.21	2790	354.36	36.17	12.41
84	1.23	2780	357.36	36.17	12.54
85	1.24	2771	360.34	36.17	12.67
86	1.26	2761	363.29	36.17	12.80
87	1.27	2751	366.21	36.17	12.93

88	1.29	2742	369.10	36.17	13.06
89	1.30	2732	371.96	36.17	13.20
90	1.31	2722	374.79	36.17	13.33
91	1.33	2713	377.59	36.17	13.46
92	1.34	2703	380.36	36.17	13.59
93	1.36	2693	383.10	36.17	13.72
94	1.37	2684	385.81	36.18	13.85
95	1.39	2674	388.49	36.18	13.98
96	1.40	2664	391.14	36.18	14.11
97	1.42	2655	393.77	36.18	14.25
98	1.43	2645	396.36	36.18	14.38
99	1.45	2635	398.93	36.18	14.51
100	1.46	2626	401.46	36.18	14.64

P-out (W)	Eff%
59.20	12.68
63.95	20.22
68.69	26.68
73.43	32.26
78.17	37.13
82.92	41.40
87.66	45.18
92.40	48.54
97.14	51.54
101.89	54.23
106.63	56.66
111.38	58.85
116.12	60.84
120.86	62.64
125.61	64.29
130.35	65.80
135.10	67.17
139.84	68.43
144.59	69.59
149.34	70.66
154.08	71.64
158.83	72.54
163.57	73.37
168.32	74.14
173.07	74.85
177.81	75.50
182.56	76.11
187.31	76.67
192.06	77.18
196.80	77.65
201.55	78.09
206.30	78.49
211.05	78.87
215.80	79.21
220.55	79.52
225.29	79.81
230.04	80.07
234.79	80.31
239.54	80.52
244.29	80.72
249.04	80.89
253.79	81.05

258.54	81.19
263.29	81.32
268.05	81.43
272.80	81.52
277.55	81.60
282.30	81.67
287.05	81.73
291.80	81.77
296.56	81.80
301.31	81.82
306.06	81.83
310.81	81.83
315.57	81.82
320.32	81.80
325.07	81.78
329.83	81.74
334.58	81.70
339.34	81.65
344.09	81.59
348.84	81.53
353.60	81.46
358.35	81.38
363.11	81.30
367.87	81.21
372.62	81.11
377.38	81.01
382.13	80.91
386.89	80.80
391.65	80.68
396.40	80.56
401.16	80.43
405.92	80.31
410.67	80.17
415.43	80.03
420.19	79.89
424.95	79.75
429.71	79.60
434.46	79.45
439.22	79.29
443.98	79.13
448.74	78.97
453.50	78.80
458.26	78.63
463.02	78.46
467.78	78.29

472.54	78.11
477.30	77.93
482.06	77.75
486.82	77.56
491.58	77.37
496.34	77.18
501.10	76.99
505.87	76.80
510.63	76.60
515.39	76.40
520.15	76.20
524.91	76.00
529.68	75.79