

Suzhou BAFANG Electric Motor Science-Technology Co., Ltd  
Testing Report of Motor

Manufacturer: BAFANG

Model: BBS01 36V 250W 15A 13T

Serial: 1507230001

Date: 7/23/2015 Operator:

Caption	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	$\eta$ (%)
T_Max	100.9	19.6	207.10	36.17	15.00	542.74	38.2
N_Max	0.8	84.8	7.10	36.18	0.72	26.00	27.3
Pout_Max	54.7	69.8	399.84	36.18	14.61	528.71	75.6
U_Max	16.4	81.6	140.14	36.19	4.48	161.96	86.5
I_Max	82.8	34.9	302.62	36.17	15.16	548.34	55.2
Pin_Max	82.8	34.9	302.62	36.17	15.16	548.34	55.2
$\eta$ _Max	17.8	81.4	151.74	36.19	4.67	169.10	89.7
1	0.8	84.8	7.10	36.18	0.72	26.00	27.3
2	0.9	84.8	7.99	36.17	0.82	29.84	26.8
3	1.0	84.5	8.85	36.18	0.83	29.97	29.5
4	1.2	84.1	10.57	36.17	0.71	25.57	41.3
5	1.5	83.7	13.15	36.18	0.69	24.86	52.9
6	1.8	83.8	15.80	36.18	0.78	28.35	55.7
7	2.1	83.8	18.43	36.17	0.88	31.87	57.8
8	2.4	83.6	21.01	36.18	0.93	33.59	62.6
9	2.9	83.8	25.45	36.18	1.05	38.14	66.7
10	3.4	83.7	29.80	36.18	1.11	40.22	74.1
11	3.9	83.4	34.06	36.17	1.26	45.67	74.6
12	4.4	83.4	38.43	36.17	1.45	52.48	73.2
13	4.9	83.4	42.80	36.17	1.57	56.95	75.1
14	5.7	83.1	49.60	36.18	1.73	62.58	79.3
15	6.5	82.8	56.36	36.17	1.89	68.20	82.6
16	7.3	82.4	62.99	36.17	2.06	74.42	84.6
17	7.9	82.5	68.25	36.17	2.27	82.22	83.0
18	8.7	82.5	75.16	36.17	2.50	90.51	83.0
19	9.7	82.1	83.40	36.17	2.70	97.57	85.5
20	10.9	81.9	93.49	36.18	2.97	107.63	86.9
21	11.9	81.8	101.94	36.17	3.18	115.01	88.6
22	12.9	81.8	110.51	36.18	3.51	127.07	87.0
23	13.8	81.9	118.36	36.17	3.73	134.82	87.8
24	15.2	82.1	130.69	36.18	4.10	148.48	88.0
25	16.4	81.6	140.14	36.19	4.48	161.96	86.5
26	17.8	81.4	151.74	36.19	4.67	169.10	89.7
27	18.9	81.3	160.91	36.19	5.02	181.72	88.6
28	20.1	81.2	170.92	36.19	5.42	196.19	87.1
29	21.6	80.8	182.77	36.19	5.78	209.04	87.4
30	23.2	80.4	195.34	36.18	6.11	221.16	88.3
31	24.7	79.8	206.42	36.19	6.49	235.06	87.8
32	26.0	79.5	216.46	36.19	6.88	248.98	86.9
33	27.3	79.6	227.57	36.19	7.29	263.85	86.3
34	29.2	79.2	242.19	36.19	7.74	279.97	86.5
35	30.9	78.7	254.67	36.19	8.13	294.10	86.6
36	32.4	78.2	265.33	36.19	8.57	310.27	85.5
37	33.9	77.7	275.84	36.19	9.00	325.63	84.7
38	35.6	77.6	289.30	36.19	9.43	341.34	84.8
39	37.4	76.9	301.19	36.18	9.96	360.35	83.6
40	39.2	76.3	313.22	36.19	10.40	376.22	83.3
41	40.7	76.0	323.93	36.18	10.77	389.66	83.1
42	42.4	75.7	336.13	36.19	11.23	406.42	82.7

Caption	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	$\eta$ (%)
43	44.4	75.4	350.59	36.18	11.76	425.43	82.4
44	46.2	74.7	361.41	36.19	12.25	443.22	81.5
45	47.7	74.2	370.65	36.19	12.70	459.58	80.6
46	49.4	74.1	383.34	36.19	13.18	477.12	80.3
47	51.6	73.1	395.01	36.19	13.79	499.07	79.1
48	53.1	71.6	398.15	36.18	14.25	515.78	77.2
49	54.7	69.8	399.84	36.18	14.61	528.71	75.6
50	56.7	66.8	396.64	36.18	14.85	537.32	73.8
51	58.4	63.5	388.35	36.19	14.90	539.43	72.0
52	60.0	61.5	386.43	36.17	14.87	537.93	71.8
53	62.2	58.9	383.66	36.17	15.01	543.06	70.6
54	63.6	56.4	375.65	36.17	15.01	542.85	69.2
55	65.8	54.2	373.48	36.17	14.98	541.94	68.9
56	67.1	52.1	366.10	36.17	15.01	542.86	67.4
57	69.4	49.6	360.48	36.17	15.04	544.01	66.3
58	70.7	47.8	353.91	36.17	15.02	543.17	65.2
59	73.0	45.4	347.07	36.17	15.13	547.46	63.4
60	74.3	43.7	340.03	36.17	15.09	545.82	62.3
61	76.3	41.8	334.00	36.17	15.06	544.64	61.3
62	77.7	40.1	326.29	36.17	15.13	547.46	59.6
63	79.4	38.1	316.80	36.17	15.14	547.80	57.8
64	81.7	36.5	312.29	36.17	15.09	545.98	57.2
65	82.8	34.9	302.62	36.17	15.16	548.34	55.2
66	84.4	33.4	295.21	36.17	15.10	546.35	54.0
67	86.8	31.7	288.15	36.17	15.11	546.51	52.7
68	87.9	30.2	278.00	36.17	15.07	545.32	51.0
69	89.7	28.7	269.60	36.17	15.12	547.01	49.3
70	91.4	27.4	262.26	36.17	15.08	545.50	48.1
71	93.0	26.1	254.19	36.17	15.04	544.02	46.7
72	94.0	25.0	246.10	36.17	15.10	546.20	45.1
73	96.0	23.5	236.26	36.17	15.06	544.81	43.4
74	97.1	22.4	227.78	36.17	15.09	545.86	41.7
75	98.9	21.4	221.64	36.17	15.04	544.13	40.7
76	99.6	20.4	212.78	36.17	15.06	544.76	39.1
77	100.9	19.6	207.10	36.17	15.00	542.74	38.2