Performance Data

Company: *Leaf Motor Technology Co.Ltd*
Name: *Brushless Hub Motor*
Model: *HBL*

Voltage:*48V*
Power:*1000W*
Test Date:*05.30.2011*

Item NO.	Voltage V	Current A	Input Power W	Power Factor PF	Frequency Hz	Torque mN.m	Speed rpm	Output Power W	Efficiency %
1	48.43	1.822	88.24	1.000	0.00	450.0	451	21.25	24.1
2	48.43	1.822	88.24	1.000	0.00	330.0	448	15.48	17.5
3	48.43	1.913	92.65	1.000	0.00	190.0	450	8.95	9.7
4	48.43	2.399	116.18	1.000	0.00	870.0	445	40.54	34.9
5	48.43	3.325	161.03	1.000	0.00	1700.0	440	78.32	48.6
6	48.43	4.728	228.98	1.000	0.00	3620.0	427	161.86	70.7
7	48.43	6.735	326.18	1.000	0.00	5940.0	415	258.13	79.1
8	48.43	9.035	437.57	1.000	0.00	8510.0	406	361.79	82.7
9	48.43	11.544	559.08	1.000	0.00	11400.0	400	477.49	85.4
10	48.43	14.309	692.98	1.000	0.00	14380.0	385	579.72	83.7
11	48.43	17.350	840.26	1.000	0.00	18030.0	376	709.87	84.5
12	48.43	20.639	999.55	1.000	0.00	21670.0	362	821.42	82.2
13	48.43	24.096	1166.97	1.000	0.00	25510.0	350	934.92	80.1
14	48.41	26.905	1302.47	1.000	0.00	29190.0	328	1002.55	77.0
15	48.40	27.816	1346.29	1.000	0.00	33220.0	285	991.38	73.6
16	48.39	28.507	1379.45	1.000	0.00	36990.0	243	941.21	68.2
17	48.38	28.959	1401.04	1.000	0.00	40530.0	208	882.75	63.0
18	48.37	29.214	1413.08	1.000	0.00	44930.0	174	818.62	57.9

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Performance Data

Company: *Leaf Motor Technology Co.Ltd*
Name: *Brushless Hub Motor*
Model: *HBL*

Voltage:*36V*
Power:*750W*
Test Date:*05.30.2011*

Item NO.	Voltage V	Current A	Input Power W	Power Factor PF	Frequency Hz	Torque mN.m	Speed rpm	Output Power W	Efficiency %
1	36.97	1.759	65.03	1.000	0.00	445.0	345	16.08	24.7
2	36.97	1.766	65.29	1.000	0.00	410.0	345	14.81	22.7
3	36.97	1.866	68.99	1.000	0.00	0.0	346	0.00	0.0
4	36.97	2.483	91.80	1.000	0.00	790.0	341	28.21	30.7
5	36.96	3.491	129.03	1.000	0.00	2240.0	331	77.64	60.2
6	36.96	5.255	194.22	1.000	0.00	4430.0	328	152.15	78.3
7	36.96	7.318	270.47	1.000	0.00	6570.0	315	216.71	80.1
8	36.96	9.422	348.24	1.000	0.00	8850.0	306	283.57	81.4
9	36.96	11.749	434.24	1.000	0.00	11570.0	297	359.82	82.9
10	36.96	14.447	533.96	1.000	0.00	14530.0	286	435.14	81.5
11	36.96	17.442	644.66	1.000	0.00	17850.0	278	519.61	80.6
12	36.96	20.619	762.08	1.000	0.00	21250.0	269	598.56	78.5
13	36.96	23.793	879.39	1.000	0.00	24610.0	257	662.28	75.3
14	36.96	26.799	990.49	1.000	0.00	28040.0	242	710.54	71.7
15	36.94	28.273	1044.40	1.000	0.00	31910.0	216	721.73	69.1
16	36.93	29.164	1077.03	1.000	0.00	35950.0	183	688.88	64.0
17	36.93	29.556	1091.50	1.000	0.00	39860.0	150	626.07	57.4
18	36.92	29.605	1093.02	1.000	0.00	43720.0	115	526.47	48.2

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Performance Data

Company: *Leaf Motor Technology Co.Ltd*
Name: *Brushless Hub Motor*
Model: *HBL*

Voltage:*24V*
Power:*300W*
Test Date:*05.30.2011*

Item NO.	Voltage V	Current A	Input Power W	Power Factor PF	Frequency Hz	Torque mN.m	Speed rpm	Output Power W	Efficiency %
1	25.07	1.694	42.47	1.000	0.00	380.0	237	9.43	22.2
2	25.07	1.666	41.77	1.000	0.00	360.0	236	8.90	21.3
3	25.07	1.843	46.20	1.000	0.00	0.0	234	0.00	0.0
4	25.07	2.464	61.77	1.000	0.00	1160.0	228	27.69	44.8
5	25.07	3.806	95.42	1.000	0.00	2830.0	223	66.08	69.3
6	25.07	5.626	141.04	1.000	0.00	4820.0	220	111.04	78.7
7	25.07	7.671	192.31	1.000	0.00	7160.0	210	157.45	81.9
8	25.07	10.044	251.80	1.000	0.00	9740.0	203	207.04	82.2
9	25.07	12.684	317.99	1.000	0.00	12600.0	192	253.32	79.7
10	25.07	15.475	387.96	1.000	0.00	15700.0	183	300.85	77.5
11	25.07	18.493	463.62	1.000	0.00	18840.0	174	343.26	74.0
12	25.07	21.649	542.74	1.000	0.00	22090.0	164	379.35	69.9
13	25.07	24.842	622.79	1.000	0.00	25520.0	157	419.54	67.4
14	25.06	27.445	687.77	1.000	0.00	28840.0	143	431.85	62.8
15	25.05	28.872	723.24	1.000	0.00	32650.0	121	413.68	57.2
16	25.04	29.238	732.12	1.000	0.00	36390.0	93	354.37	48.4
17	25.03	29.492	738.18	1.000	0.00	39920.0	71	296.79	40.2
18	25.02	29.637	741.52	1.000	0.00	43350.0	49	222.42	30.0

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