

# Performance Data

Company: *Leaf Motor Technology Co.Ltd*  
 Name: *Brushless Hub Motor*  
 Model: *HBM-011R*

Voltage:*36V*  
 Power:*250W*  
 Test Date:*06.01.2011*

Item NO.	Voltage V	Current A	Input Power W	Power Factor PF	Frequency Hz	Torque mN.m	Speed rpm	Output Power W	Efficiency %
1	37.46	1.080	40.46	1.000	0.00	560.0	278	16.30	40.3
2	37.46	1.154	43.23	1.000	0.00	610.0	278	17.76	41.1
3	37.46	1.421	53.21	1.000	0.00	935.0	275	26.92	50.6
4	37.46	1.933	72.39	1.000	0.00	1750.0	271	49.66	68.6
5	37.46	2.814	105.41	1.000	0.00	2995.0	266	83.42	79.1
6	37.48	4.040	151.40	1.000	0.00	4505.0	259	122.18	80.7
7	37.46	5.228	195.82	1.000	0.00	5975.0	252	157.66	80.5
8	37.46	6.440	241.22	1.000	0.00	7595.0	248	197.23	81.8
9	37.46	7.895	295.75	1.000	0.00	9520.0	240	239.25	80.9
10	37.46	9.542	357.44	1.000	0.00	11655.0	232	283.14	79.2
11	37.46	11.278	422.47	1.000	0.00	13895.0	225	327.37	77.5
12	37.46	13.085	490.15	1.000	0.00	16205.0	217	368.22	75.1
13	37.46	15.031	563.06	1.000	0.00	18515.0	209	405.20	72.0

# Performance Data

Company: *Leaf Motor Technology Co.Ltd*  
 Name: *Brushless Hub Motor*  
 Model: *HBM-011R*

Voltage: *24V*  
 Power: *250W*  
 Test Date: *06.01.2011*

Item NO.	Voltage V	Current A	Input Power W	Power Factor PF	Frequency Hz	Torque mN.m	Speed rpm	Output Power W	Efficiency %
1	25.53	1.515	38.67	1.000	0.00	625.0	235	15.38	39.8
2	25.54	1.537	39.23	1.000	0.00	615.0	235	15.13	38.6
3	25.53	1.707	43.58	1.000	0.00	820.0	234	20.09	46.1
4	25.53	2.160	55.16	1.000	0.00	1340.0	231	32.41	58.8
5	25.53	2.837	72.44	1.000	0.00	2100.0	229	50.36	69.5
6	25.53	3.769	96.24	1.000	0.00	3115.0	224	73.06	75.9
7	25.53	4.758	121.48	1.000	0.00	4130.0	220	95.14	78.3
8	25.53	5.743	146.62	1.000	0.00	5170.0	215	116.39	79.4
9	25.53	6.781	173.12	1.000	0.00	6255.0	210	137.54	79.5
10	25.53	7.979	203.72	1.000	0.00	7540.0	206	162.64	79.8
11	25.53	9.353	238.78	1.000	0.00	8980.0	201	189.00	79.2
12	25.53	10.827	276.41	1.000	0.00	10425.0	193	210.68	76.2
13	25.53	12.320	314.52	1.000	0.00	12015.0	190	239.04	76.0
14	25.53	13.918	355.33	1.000	0.00	13565.0	183	259.94	73.2
15	25.53	15.560	397.23	1.000	0.00	15240.0	177	282.46	71.1
16	25.54	17.343	442.87	1.000	0.00	16960.0	172	305.46	69.0