

Changzhou OuHe Power Technology Co., Ltd

Motor test report

Client:***

Rated Voltage(V): 48

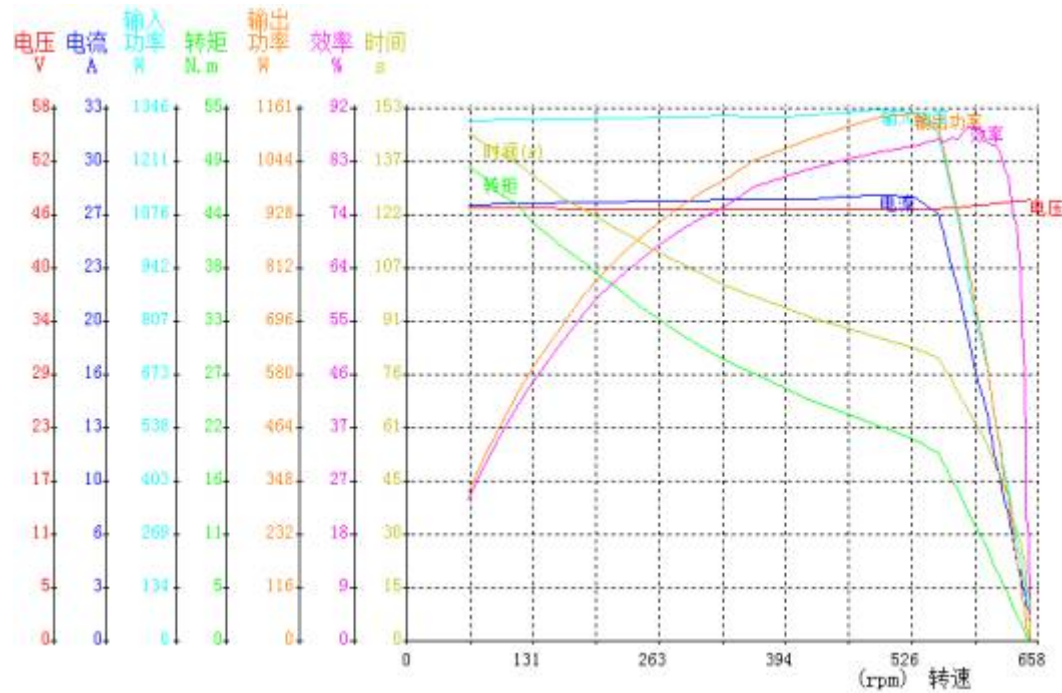
Rated Power(kW): 1.0

Mode: BS-154-12

Rated Speed(rpm): 560

Rated Frequency(Hz) : 50

S/N: BS40H220809



Number (No.)	Voltage (V)	Current (A)	Input Power (W)	Cause (P.F)	Speed (rpm)	Torque (N.m)	Output Power (W)	Eff (%)	Times (s)
1	48.18	1.649	79.5	*	648	0	1.86	2.3	1
2	48.18	1.636	78.83	*	648	0	2.78	3.5	4
3	48.18	1.655	79.77	*	647	0	2.97	3.7	7
4	48.19	1.682	81.05	*	648	0	3.86	4.8	10
5	48.17	1.852	89.27	*	647	0.2	15.9	17.8	13
6	48.16	2.18	105	*	645	0.3	22.93	21.8	16
7	48.15	2.518	121.2	*	644	0.5	39.3	32.4	19
8	48.12	2.919	140.4	*	643	0.9	64.71	46.1	22
9	48.1	3.495	168.1	*	641	1.3	91.72	54.6	25
10	48.07	4.202	202	*	639	1.9	128.6	63.7	28
11	48.04	4.913	236	*	635	2.5	170.9	72.4	31
12	48.01	5.948	285.6	*	632	3.1	210.5	73.7	34
13	47.98	6.931	332.5	*	629	3.8	255.2	76.8	37
14	47.93	7.925	379.9	*	626	4.6	306.2	80.6	41
15	47.89	9.033	432.6	*	621	5.5	358	82.8	44
16	47.84	10.18	487.1	*	618	6.4	414.5	85.1	47
17	47.8	11.47	548.5	*	613	7.3	474.9	86.6	50
18	47.72	12.93	617.3	*	608	8.3	534.5	86.6	53
19	47.69	14.44	688.8	*	604	9.4	598.9	86.9	56
20	47.61	15.65	745.3	*	599	10.5	662.6	88.9	59
21	47.55	17.12	814.3	*	592	11.7	727.7	89.4	62
22	47.48	18.82	883.2	*	586	12.9	793	89.8	65
23	47.43	20.42	968.8	*	580	14.1	861.1	88.9	68
24	47.37	22.49	1065	*	574	15.5	932.1	87.5	71
25	47.31	23.96	1133	*	567	16.7	994.6	87.8	75
26	47.25	25.76	1217	*	560	18	1060	87.1	78
27	47.21	27.29	1288	*	552	19.4	1126	87.4	81
28	47.18	28.32	1336	*	528	20.8	1151	86.2	84
29	47.19	28.47	1344	*	493	22.1	1145	85.2	87
30	47.21	28.35	1338	*	454	23.5	1120	83.7	90
31	47.2	28.17	1330	*	419	24.9	1094	82.3	93
32	47.21	28.12	1327	*	388	26.3	1071	80.7	96
33	47.21	28.12	1327	*	361	27.7	1050	79.1	99
34	47.21	28.13	1328	*	328	29.1	1001	75.4	102
35	47.22	28.11	1327	*	304	30.6	974.3	73.4	106
36	47.22	28.09	1326	*	280	32	940.9	71.0	109
37	47.22	28.06	1325	*	259	33.4	907.9	68.5	112
38	47.23	28.04	1324	*	239	34.8	873.3	66.0	115
39	47.23	28.02	1323	*	220	36.3	836.9	63.3	118
40	47.23	27.98	1321	*	201	37.7	795.4	60.2	121
41	47.23	27.96	1320	*	184	39.1	754	57.1	124
42	47.23	27.94	1320	*	163	40.6	693.1	52.5	127
43	47.24	27.93	1319	*	147	41.9	645.8	49.0	130
44	47.24	27.93	1319	*	130	43.3	590.1	44.7	134
45	47.24	27.92	1319	*	115	45.1	543.2	41.2	137
46	47.24	27.88	1317	*	96	46.3	466.2	35.4	140
47	47.25	27.84	1315	*	79	48	397.7	30.2	143

	Voltage (V)	Current (A)	Input power (W)	Cause (P.F)	Speed (rpm)	Torque (N.m)	Output Power (W)	Eff (%)	Time (s)
Unload	48.18	1.649	79.5	*	648	0	1.86	2.3	1
Blocking point	*	*	*	*	*	*	*	*	*
Rated point	47.31	23.96	1133	*	567	16.7	994.6	87.8	75
Max torque	47.25	27.84	1315	*	62	49.2	319.5	24.3	146
Max output	47.18	28.32	1336	*	528	20.8	1151	86.2	84
Max efficiency	47.48	18.82	883.2	*	586	12.9	793	89.8	65

48 47.25 27.84 1315 * 62 49.2 319.5 24.3 146