

# Changzhou Goldenmotor Technology Co.,Ltd

Customer:	Voltage: 48V
ProductName HPM Motor	Power rated: 10KW
Motor Type: 48V10KW	Tester: Liuzhipeng WangChao
Number:	Test Data: 2023.09.14

\*\*\*\*\*

Number	Voltage	Current	Power			PF	Freque	Torque	Speed	Pout	Control_Eff	Motor_Eff	Eff	Time	
	V	A	W	V	A	W	Hz	N.m	rpm	W	%	%	%	S	
1	48.44	23.36	958.8	33.72	35.30	910.3	0.445	281.11	0.99	4201.2	435.5	94.9	47.8	45.4	0.000
2	48.41	30.88	1338	33.60	37.99	1205	0.551	279.87	1.72	4177.5	752.3	90.1	62.4	56.2	3.027
3	48.43	36.26	1630	33.49	41.27	1533	0.648	277.36	2.47	4158.0	1075	94.0	70.2	66.0	5.039
4	48.45	42.97	1950	33.41	45.35	1828	0.705	276.30	3.16	4135.9	1368	93.7	74.9	70.2	7.052
5	48.45	49.20	2270	33.33	49.08	2107	0.753	274.51	3.88	4116.8	1672	92.8	79.4	73.7	9.064
6	48.42	55.93	2589	33.24	53.77	2439	0.798	273.40	4.65	4102.9	1998	94.2	81.9	77.2	11.08
7	48.44	63.51	2954	33.17	58.48	2756	0.831	273.05	5.47	4087.5	2341	93.3	84.9	79.2	13.09
8	48.43	68.55	3195	33.11	63.87	3070	0.849	271.79	6.18	4076.6	2638	96.1	85.9	82.6	15.10
9	48.45	77.57	3617	33.05	69.77	3422	0.868	271.62	6.94	4062.3	2952	94.6	86.3	81.6	17.11
10	48.43	83.78	3901	33.01	75.33	3719	0.875	270.87	7.72	4049.1	3273	95.3	88.0	83.9	19.13
11	48.49	89.30	4207	32.95	79.73	3989	0.888	268.71	8.50	4022.9	3580	94.8	89.8	85.1	21.14
12	48.42	94.69	4462	32.89	84.55	4295	0.903	267.23	9.15	4010.8	3842	96.3	89.5	86.1	23.15
13	48.47	98.12	4673	32.84	90.87	4659	0.913	266.80	9.96	3999.2	4170	99.7	89.5	89.2	25.16
14	48.41	110.2	5225	32.82	96.41	4934	0.912	266.00	10.72	3989.8	4478	94.4	90.8	85.7	27.18
15	48.45	117.3	5517	32.78	103.5	5278	0.909	264.55	11.51	3969.5	4784	95.7	90.6	86.7	29.19
16	48.44	124.7	5873	32.74	110.2	5628	0.912	262.95	12.36	3949.5	5111	95.8	90.8	87.0	31.20
17	48.40	130.3	6164	32.69	115.8	5959	0.920	262.55	13.17	3937.8	5430	96.7	91.1	88.1	33.21
18	48.45	138.3	6564	32.65	121.0	6266	0.927	262.38	13.99	3926.7	5752	95.5	91.8	87.6	35.23
19	48.43	145.0	6904	32.62	127.1	6605	0.931	261.31	14.73	3915.5	6039	95.7	91.4	87.5	37.24
20	48.46	151.7	7232	32.58	132.3	6882	0.932	259.82	15.52	3899.7	6337	95.2	92.1	87.6	39.25
21	48.41	158.0	7537	32.54	138.9	7204	0.931	258.46	16.32	3876.7	6624	95.6	91.9	87.9	41.26
22	48.41	164.4	7854	32.51	145.2	7527	0.931	257.33	17.14	3860.2	6927	95.8	92.0	88.2	43.28
23	48.38	172.5	8235	32.47	151.8	7882	0.934	257.18	18.01	3852.5	7264	95.7	92.2	88.2	45.29
24	48.44	178.6	8545	32.44	158.3	8241	0.937	256.64	18.78	3845.2	7561	96.4	91.7	88.5	47.30
25	48.44	186.4	8913	32.40	164.6	8554	0.936	255.59	19.59	3833.7	7863	96.0	91.9	88.2	49.31
26	48.37	194.2	9271	32.37	170.6	8865	0.937	254.35	20.42	3817.1	8161	95.6	92.1	88.0	51.33
27	48.41	201.2	9619	32.34	176.8	9161	0.934	253.38	21.26	3801.3	8461	95.2	92.4	88.0	53.34
28	48.37	207.6	9907	32.31	184.2	9510	0.933	252.31	22.07	3782.6	8741	96.0	91.9	88.2	55.35
29	48.45	215.5	10301	32.28	190.3	9793	0.930	250.53	22.90	3759.6	9014	95.1	92.0	87.5	57.36
30	48.42	221.9	10595	32.24	197.4	10107	0.927	249.55	23.73	3739.5	9291	95.4	91.9	87.7	59.37
31	48.47	229.5	10964	32.19	204.1	10415	0.925	248.14	24.55	3725.8	9577	95.0	91.9	87.3	61.39
32	48.43	234.7	11210	32.13	210.5	10747	0.926	247.23	25.29	3710.6	9825	95.9	91.4	87.6	63.40
33	48.41	234.9	11178	31.42	213.4	10610	0.923	239.25	25.80	3599.2	9722	94.9	91.6	87.0	65.41
34	48.45	233.5	11141	30.62	219.4	10607	0.920	231.90	26.63	3482.1	9709	95.2	91.5	87.1	67.42
35	48.47	234.7	11161	29.87	225.9	10595	0.914	224.24	27.37	3372.4	9664	94.9	91.2	86.6	69.44
36	48.44	233.7	11096	29.09	230.7	10535	0.914	217.45	28.08	3268.6	9610	94.9	91.2	86.6	71.45
37	48.41	234.7	11118	28.28	236.4	10468	0.911	210.63	28.79	3162.0	9531	94.2	91.1	85.7	73.46
38	48.50	233.4	11085	27.50	242.1	10423	0.910	204.49	29.55	3074.3	9512	94.0	91.3	85.8	75.47
39	48.46	234.7	11133	26.88	247.3	10399	0.909	198.85	30.30	2987.0	9477	93.4	91.1	85.1	77.49
40	48.45	234.6	11122	26.29	253.0	10379	0.906	193.21	31.01	2906.2	9436	93.3	90.9	84.8	79.50
41	48.45	234.4	11104	25.74	258.1	10345	0.904	188.30	31.71	2827.4	9387	93.2	90.7	84.5	81.51
42	48.46	229.4	10846	24.89	261.8	10133	0.902	180.92	32.12	2718.9	9144	93.4	90.2	84.3	83.52
43	48.43	218.6	10340	23.37	265.0	9637	0.902	168.15	32.63	2539.0	8674	93.2	90.0	83.9	85.54
44	48.47	210.0	9950	21.96	269.9	9178	0.897	156.40	33.31	2355.0	8213	92.2	89.5	82.5	87.55
45	48.40	199.0	9437	20.34	275.0	8622	0.893	143.33	33.90	2173.6	7715	91.4	89.5	81.8	89.56

# Changzhou Goldenmotor Technology Co.,Ltd

Customer:	Voltage: 48V
ProductName HPM Motor	Power rated: 10KW
Motor Type: 48V10KW	Tester: Liuzhipeng WangChao
Number:	Test Data: 2023.09.14

\*\*\*\*\*

Number	Voltage		Current			Power			PF	Freque Hz	Torque N.m	Speed rpm	Pout W	Control_Eff %	Motor_Eff %	Eff %	Time S
	V	A	W	V	A	W	W										
46	48.43	175.6	8338	18.30	276.4	7830	0.897	123.53	33.94	1887.0	6705	93.9	85.6	80.4	91.57		
47	48.40	129.1	6116	13.67	276.2	5804	0.893	87.34	34.28	1302.6	4675	94.9	80.5	76.4	93.59		
48	48.43	74.23	3562	8.051	278.1	3473	0.899	45.71	34.71	653.8	2376	97.5	68.4	66.7	95.60		
49	48.49	29.59	1402	2.922	158.9	829.9	1.000	21.16	30.03	242.8	763.4	59.2	92.0	54.5	97.61		
50	48.45	23.13	1119	1.922	31.42	32.31	0.299	16.96	27.40	112.9	323.9	2.9	1002.4	28.9	99.62		
51	48.50	0.000	0.000	0.000	0.000	0.000	0.000	0.00	1.81	43.8	8.300	0.0	0.0	0.0	101.6		