

# Changzhou Goldenmotor Technology Co.,Ltd

Voltage: 48V  
 Power rated: 05KW  
 Tester: Liuzhipeng WangChao  
 Test Data: 2024.01.29

ProductName  
 Motor Type: 48V05KW  
 Number: EZkontrol

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Number	Voltage V	Current A	Power Motor_ W	Motor_Volt V	Motor_Curr A	Motor_Power W	PF	Freque Hz	Torque N.m	Speed rpm	Pout W	Control_Eff %	Motor_Eff %	Eff %	Time S
1	48.04	25.57	1052	33.46	21.27	987.7	0.799	265.99	1.11	3966.0	460.9	93.9	46.7	43.8	0.000
2	48.00	27.50	1198	33.44	22.52	1079	0.825	260.66	1.65	3921.6	677.5	90.1	62.8	56.5	2.418
3	47.98	34.97	1547	33.36	27.76	1419	0.882	260.31	2.51	3903.6	1026	91.7	72.3	66.3	3.822
4	48.00	42.87	1919	33.31	33.75	1735	0.888	258.53	3.32	3880.4	1349	90.4	77.7	70.3	5.226
5	47.98	48.56	2215	33.26	39.20	2053	0.906	257.68	4.05	3858.6	1636	92.7	79.7	73.9	6.630
6	47.98	53.18	2475	33.23	43.99	2339	0.921	255.60	4.78	3841.3	1922	94.5	82.2	77.7	8.034
7	48.02	59.03	2742	33.19	48.85	2608	0.926	254.82	5.45	3820.3	2180	95.1	83.6	79.5	9.438
8	48.03	65.41	3060	33.17	53.62	2862	0.927	252.01	6.14	3784.7	2433	93.5	85.0	79.5	10.84
9	47.99	71.31	3372	33.13	59.88	3203	0.930	250.94	6.92	3764.7	2728	95.0	85.1	80.9	12.25
10	47.99	76.23	3593	33.11	63.99	3429	0.932	249.75	7.66	3747.0	3005	95.4	87.6	83.6	13.65
11	48.00	82.94	3902	33.08	69.70	3722	0.930	247.45	8.41	3718.2	3275	95.4	88.0	83.9	15.05
12	48.01	89.94	4241	33.05	75.77	4038	0.929	246.83	9.16	3703.0	3551	95.2	88.0	83.7	16.46
13	48.01	95.10	4493	33.03	80.34	4274	0.928	244.59	9.80	3668.5	3764	95.1	88.1	83.8	17.86
14	47.97	101.0	4752	33.00	85.83	4529	0.922	241.85	10.62	3629.0	4035	95.3	89.1	84.9	19.27
15	48.00	108.8	5140	32.96	92.82	4882	0.920	241.17	11.44	3618.2	4334	95.0	88.8	84.3	20.67
16	47.99	112.2	5327	32.94	97.32	5112	0.919	239.42	12.03	3588.2	4519	96.0	88.4	84.8	22.07
17	47.98	117.6	5579	32.91	102.7	5356	0.913	236.65	12.78	3551.0	4751	96.0	88.7	85.2	23.48
18	48.00	125.0	5910	32.89	108.8	5644	0.909	234.40	13.72	3517.8	5053	95.5	89.5	85.5	24.88
19	48.01	129.5	6127	32.86	115.0	5964	0.909	233.35	14.36	3499.4	5261	97.3	88.2	85.9	26.29
20	47.97	136.4	6461	32.84	120.3	6187	0.903	231.13	15.14	3470.2	5501	95.8	88.9	85.1	27.69
21	47.95	140.7	6662	32.81	126.1	6436	0.896	229.13	15.85	3439.8	5708	96.6	88.7	85.7	29.09
22	47.94	146.7	6943	32.79	132.1	6694	0.891	226.98	16.66	3405.3	5940	96.4	88.7	85.6	30.50
23	48.00	152.4	7221	32.76	138.2	6967	0.887	225.13	17.37	3376.6	6141	96.5	88.1	85.0	31.90
24	48.00	159.2	7547	32.73	144.8	7262	0.883	223.80	18.18	3357.2	6390	96.2	88.0	84.7	33.31
25	47.98	163.1	7724	32.71	150.1	7454	0.875	221.61	18.79	3323.4	6538	96.5	87.7	84.7	34.71
26	47.97	168.5	7988	32.70	156.1	7689	0.868	218.74	19.66	3282.8	6757	96.3	87.9	84.6	36.11
27	48.01	174.2	8244	32.68	162.7	7954	0.862	216.36	20.36	3247.1	6922	96.5	87.0	84.0	37.52
28	48.02	179.3	8480	32.65	169.5	8214	0.855	214.21	21.19	3215.5	7134	96.9	86.9	84.1	38.92
29	48.02	187.0	8840	32.63	176.2	8466	0.848	213.26	22.01	3196.3	7366	95.8	87.0	83.3	40.33
30	48.00	191.0	9017	32.61	182.1	8717	0.846	211.05	22.73	3166.8	7536	96.7	86.5	83.6	41.73
31	48.06	196.0	9259	32.59	188.2	8954	0.841	208.65	23.38	3129.6	7661	96.7	85.6	82.7	43.14
32	48.00	202.2	9536	32.57	195.4	9197	0.832	206.29	24.27	3095.7	7866	96.4	85.5	82.5	44.54
33	48.04	206.4	9738	32.55	202.1	9423	0.825	204.48	24.98	3066.2	8019	96.8	85.1	82.4	45.94
34	48.00	211.9	9971	32.54	208.7	9682	0.821	202.21	25.74	3033.8	8176	97.1	84.4	82.0	47.35
35	48.04	216.6	10195	32.53	215.6	9917	0.814	200.04	26.50	3001.2	8328	97.3	84.0	81.7	48.75
36	48.04	222.5	10457	32.51	222.9	10076	0.801	197.78	27.25	2968.3	8469	96.4	84.1	81.0	50.16
37	48.04	227.6	10677	32.50	230.2	10334	0.795	195.67	28.07	2934.4	8624	96.8	83.5	80.8	51.56
38	48.02	234.7	11006	32.47	237.4	10670	0.797	194.16	28.86	2911.5	8798	96.9	82.5	79.9	52.96
39	48.03	239.9	11238	32.45	244.5	10874	0.789	192.73	29.58	2890.3	8951	96.8	82.3	79.7	54.37
40	48.06	244.3	11431	32.44	250.9	11097	0.785	189.91	30.31	2849.0	9041	97.1	81.5	79.1	55.77
41	48.02	249.7	11671	32.42	259.1	11288	0.774	187.63	31.07	2817.4	9165	96.7	81.2	78.5	57.18
42	48.06	255.0	11908	32.41	266.9	11549	0.769	185.49	31.86	2782.8	9283	97.0	80.4	78.0	58.58
43	48.05	261.6	12225	32.39	275.6	11868	0.766	183.92	32.72	2758.3	9449	97.1	79.6	77.3	59.98
44	48.02	265.8	12405	32.36	282.9	12122	0.763	182.62	33.20	2734.7	9507	97.7	78.4	76.6	61.39
45	48.03	252.0	11788	31.24	281.9	11598	0.759	172.72	33.31	2581.0	9001	98.4	77.6	76.4	62.79

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Tester: Liuzhipeng WangChao	Number: EZ
Test Data: 2024.01.29	

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	Voltage	Current	Power	Motor_Volt	Motor_Curr	Motor_Power	PF	Freque	Torque	Speed	Pout	Control_Eff	Motor_Eff	Eff	Time
Number	V	A	W	V	A	W		Hz	N.m	rpm	W	%	%	%	S
46	47.99	228.0	10660	29.17	283.2	10940	0.763	156.25	33.02	2313.8	7999	102.6	73.1	75.0	64.20
47	47.98	197.0	9234	24.71	282.7	9299	0.768	124.78	33.96	1874.6	6665	100.7	71.7	72.2	65.60
48	47.98	157.5	7413	19.61	286.1	7612	0.783	94.70	33.87	1392.1	4937	102.7	64.9	66.6	67.00
49	47.97	125.0	5878	14.32	286.7	5665	0.794	61.78	33.50	877.8	3079	96.4	54.3	52.4	68.41
50	47.99	79.07	3776	8.848	286.9	3675	0.833	38.10	34.83	362.0	1320	97.3	35.9	35.0	69.81
51	47.98	47.55	2245	4.474	215.7	1592	0.953	19.70	25.74	196.6	529.8	70.9	33.3	23.6	71.22
52	48.05	36.83	1768	3.291	34.16	175.8	0.907	15.01	30.11	65.0	204.9	9.9	116.6	11.6	72.62
53	48.43	0.000	0.000	1.783	2.814	11.95	1.000	0.00	0.90	90.4	8.518	0.0	71.3	0.0	74.02

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