

# Changzhou Goldenmotor Technology Co.,Ltd

Customer:	Voltage: 72V
ProductName HPM Motor	Power rated: 10KW
Motor Type: 72V10KW	Tester: Liuzhipeng WangChao
Number:	Test Data: 2023.9.14

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Number	Voltage V	Current A	Power 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	72.34	16.72	874.9	50.32	20.72	816.0	0.453	357.96	0.86	4243.5	382.1	93.3	46.8	43.7	0.000
2	72.35	21.65	1225	50.14	22.88	1080	0.545	284.55	1.64	4217.1	724.1	88.2	67.1	59.1	3.026
3	72.32	26.50	1610	49.92	25.08	1434	0.664	281.52	2.42	4194.2	1063	89.1	74.1	66.0	5.039
4	72.31	30.43	1945	49.74	27.40	1787	0.760	278.75	3.17	4173.4	1385	91.9	77.5	71.2	7.051
5	72.34	34.23	2232	49.60	30.53	2117	0.810	278.19	3.88	4160.5	1690	94.9	79.8	75.7	9.063
6	72.29	38.49	2507	49.51	33.02	2372	0.841	276.46	4.63	4144.1	2009	94.6	84.7	80.1	11.08
7	72.32	42.69	2830	49.41	36.69	2725	0.871	275.19	5.25	4135.0	2273	96.3	83.4	80.3	13.09
8	72.25	44.81	3090	49.33	40.00	3026	0.888	274.82	6.00	4120.0	2588	97.9	85.5	83.7	15.10
9	72.30	51.51	3542	49.24	44.20	3401	0.904	275.12	6.93	4110.7	2983	96.0	87.7	84.2	17.11
10	72.33	57.79	3962	49.18	48.22	3736	0.912	274.39	7.82	4097.5	3355	94.3	89.8	84.7	19.13
11	72.41	59.99	4145	49.16	51.28	4004	0.919	273.56	8.43	4087.3	3608	96.6	90.1	87.0	21.14
12	72.31	64.50	4482	49.12	55.25	4343	0.926	272.00	9.20	4080.9	3931	96.9	90.5	87.7	23.15
13	72.33	69.91	4882	49.07	59.16	4683	0.933	271.43	10.02	4067.6	4267	95.9	91.1	87.4	25.16
14	72.26	73.92	5147	49.03	63.32	5045	0.940	270.35	10.70	4059.1	4547	98.0	90.1	88.4	27.18
15	72.28	78.51	5450	49.00	67.09	5352	0.942	270.62	11.44	4052.7	4854	98.2	90.7	89.1	29.19
16	72.32	82.65	5774	48.96	71.31	5708	0.945	269.86	12.33	4048.6	5227	98.9	91.6	90.5	31.20
17	72.26	88.50	6256	48.93	75.37	6013	0.943	269.01	13.15	4033.6	5553	96.1	92.4	88.8	33.21
18	72.32	92.79	6571	48.90	79.43	6362	0.947	268.80	14.03	4027.8	5917	96.8	93.0	90.0	35.23
19	72.34	96.41	6841	48.87	83.27	6687	0.950	268.51	14.70	4020.6	6188	97.7	92.5	90.5	37.24
20	72.31	100.5	7186	48.84	87.06	7001	0.952	266.82	15.44	4008.6	6480	97.4	92.6	90.2	39.25
21	72.32	104.2	7507	48.81	90.10	7311	0.961	266.65	16.28	4000.0	6818	97.4	93.3	90.8	41.26
22	72.26	110.2	7819	48.78	95.14	7664	0.955	265.34	17.06	3978.9	7107	98.0	92.7	90.9	43.27
23	72.30	117.1	8308	48.74	100.3	8065	0.953	265.02	17.91	3972.5	7449	97.1	92.4	89.7	45.29
24	72.28	120.8	8553	48.72	104.8	8399	0.950	264.11	18.77	3959.5	7781	98.2	92.6	91.0	47.30
25	72.32	125.6	8867	48.69	109.1	8738	0.951	263.42	19.55	3952.4	8090	98.5	92.6	91.2	49.31
26	72.30	131.1	9263	48.66	113.1	9119	0.957	262.64	20.42	3936.2	8416	98.5	92.3	90.9	51.32
27	72.22	136.5	9607	48.65	118.0	9425	0.948	261.86	21.28	3922.9	8740	98.1	92.7	91.0	53.34
28	72.28	144.1	10204	48.61	123.3	9793	0.944	262.00	22.38	3910.2	9162	96.0	93.6	89.8	55.35
29	72.31	145.1	10341	48.58	126.7	10069	0.944	259.81	23.01	3895.4	9385	97.4	93.2	90.8	57.36
30	72.22	149.7	10680	48.55	131.5	10450	0.945	258.93	23.80	3886.2	9684	97.8	92.7	90.7	59.37
31	72.25	154.4	11055	48.52	135.2	10785	0.949	258.44	24.71	3874.4	10024	97.6	92.9	90.7	61.39
32	72.27	157.9	11310	48.49	139.8	11116	0.947	258.16	25.46	3870.8	10318	98.3	92.8	91.2	63.40
33	72.31	166.9	11928	48.46	145.1	11587	0.952	257.82	26.55	3855.0	10716	97.1	92.5	89.8	65.41
34	72.22	167.4	11958	48.43	147.7	11829	0.955	257.36	26.88	3862.6	10871	98.9	91.9	90.9	67.42
35	72.25	173.9	12386	48.41	152.3	12195	0.955	255.95	27.72	3840.1	11145	98.5	91.4	90.0	69.44
36	72.36	181.1	12919	48.36	159.9	12541	0.937	254.53	28.99	3816.3	11583	97.1	92.4	89.7	71.45
37	72.25	184.7	13205	48.34	165.4	12979	0.937	253.59	29.98	3802.1	11934	98.3	92.0	90.4	73.46
38	72.29	183.8	13173	47.44	167.2	12807	0.933	246.46	30.38	3705.2	11785	97.2	92.0	89.5	75.47
39	72.26	180.3	12913	46.48	170.6	12717	0.926	241.63	30.90	3627.1	11735	98.5	92.3	90.9	77.49
40	72.25	182.8	13080	45.83	173.6	12756	0.926	236.63	31.56	3550.8	11733	97.5	92.0	89.7	79.50
41	72.29	181.2	12960	44.96	177.5	12837	0.929	230.31	32.19	3464.1	11675	99.0	91.0	90.1	81.51
42	72.24	181.3	12978	43.74	181.6	12655	0.921	223.78	33.05	3360.2	11627	97.5	91.9	89.6	83.52
43	72.22	180.3	12919	42.51	186.5	12612	0.919	216.33	33.95	3255.0	11570	97.6	91.7	89.6	85.54
44	72.24	181.6	12983	41.65	191.6	12680	0.918	211.06	34.82	3167.7	11548	97.7	91.1	88.9	87.55
45	72.28	181.5	12978	40.78	196.0	12637	0.914	205.99	35.52	3093.5	11505	97.4	91.0	88.6	89.56

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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	72.22	181.5	12958	40.01	199.8	12586	0.910	201.16	36.23	3019.8	11456	97.1	91.0	88.4	91.57
47	72.25	181.1	12927	39.21	204.4	12548	0.904	197.02	36.93	2954.9	11425	97.1	91.1	88.4	93.59
48	72.25	181.2	12936	38.43	208.8	12535	0.903	192.49	37.70	2890.6	11410	96.9	91.0	88.2	95.60
49	72.28	181.0	12920	37.71	212.0	12547	0.907	187.93	38.39	2820.8	11338	97.1	90.4	87.8	97.61
50	72.21	181.0	12911	37.01	216.4	12534	0.904	184.09	39.13	2761.6	11314	97.1	90.3	87.6	99.62
51	72.27	181.5	12949	36.39	220.4	12466	0.898	179.96	39.78	2701.8	11254	96.3	90.3	86.9	101.6
52	72.28	181.0	12892	35.70	224.1	12493	0.902	176.04	40.46	2643.5	11198	96.9	89.6	86.9	103.6
53	72.25	181.1	12902	35.08	229.3	12388	0.890	172.28	41.19	2587.8	11160	96.0	90.1	86.5	105.7
54	72.25	181.2	12916	34.55	233.1	12383	0.888	168.91	41.91	2537.0	11132	95.9	89.9	86.2	107.7
55	72.24	180.8	12875	33.94	237.1	12343	0.886	165.43	42.60	2484.1	11080	95.9	89.8	86.1	109.7
56	72.26	181.4	12906	33.44	241.6	12246	0.876	162.33	43.25	2434.0	11022	94.9	90.0	85.4	111.7
57	72.21	181.2	12907	32.83	245.8	12245	0.876	158.64	44.03	2382.3	10982	94.9	89.7	85.1	113.7
58	72.19	181.3	12911	32.35	250.2	12288	0.877	155.69	44.73	2337.9	10950	95.2	89.1	84.8	115.7
59	72.28	181.7	12941	31.81	254.5	12169	0.868	152.32	45.47	2287.2	10889	94.0	89.5	84.1	117.7
60	72.26	180.9	12889	31.27	258.9	12092	0.863	149.01	46.10	2238.4	10804	93.8	89.4	83.8	119.7
61	72.24	180.8	12884	30.82	263.2	12027	0.856	146.41	46.78	2194.3	10747	93.3	89.4	83.4	121.8
62	72.26	181.5	12921	30.33	268.4	11948	0.848	143.36	47.56	2150.5	10708	92.5	89.6	82.9	123.8
63	72.28	180.8	12879	29.92	273.1	11986	0.847	140.64	48.19	2111.7	10655	93.1	88.9	82.7	125.8
64	72.27	180.8	12868	29.50	277.5	12053	0.850	137.78	48.96	2069.0	10607	93.7	88.0	82.4	127.8
65	72.27	174.1	12369	28.55	280.4	11822	0.853	130.44	49.08	1976.0	10154	95.6	85.9	82.1	129.8
66	72.28	150.7	10734	25.18	280.9	10358	0.846	110.79	49.37	1643.1	8493	96.5	82.0	79.1	131.8
67	72.26	115.8	8106	18.87	284.6	7890	0.849	77.15	49.75	1145.8	5968	97.3	75.6	73.6	133.8
68	72.31	62.28	4478	10.75	282.9	4550	0.865	38.62	50.70	548.6	2912	101.6	64.0	65.0	135.8
69	72.37	27.58	1988	4.343	164.5	1242	1.000	17.96	42.46	192.8	857.1	62.5	69.0	43.1	137.9
70	72.34	33.13	2389	3.943	110.4	591.3	0.792	12.48	38.03	145.9	580.9	24.8	98.3	24.3	139.9
71	72.33	31.41	2222	3.850	107.7	496.5	0.674	14.78	38.07	133.8	533.3	22.4	107.4	24.0	141.9