

Dynamic test

Production company: Servo vision
 Motor type: 001
 Motor number: 10kw72
 Testers: 001
 Date of test: 2012-3-10

Rated voltage: 72 V
 Rated current: 150 A
 Rated power: 9600 W
 Rated speed: 5300 RPM

Item No.	Voltage V	Current A	Input power W	Power factor PF	Frequency Hz	Torque mN.m	Speed rpm	Output power W	Efficiency %
1	71.89	17.264	1241.14	1.000	0.00	570.0	5841	348.63	28.1
2	71.89	17.626	1267.16	1.000	0.00	676.7	5840	413.79	32.7
3	71.89	18.715	1345.4	1.000	0.00	823.3	5835	503.05	37.4
4	71.89	20.495	1473.36	1.000	0.00	1086.7	5827	663.04	45.0
5	71.89	23.571	1694.46	1.000	0.00	1530.0	5811	930.98	54.9
6	71.88	28.297	2034.06	1.000	0.00	2160.0	5786	1308.67	64.3
7	71.89	34.499	2480.11	1.000	0.00	2940.0	5754	1771.39	71.4
8	71.88	41.788	3003.86	1.000	0.00	3876.7	5718	2321.13	77.3
9	71.88	50.224	3610.08	1.000	0.00	4900.0	5676	2912.29	80.7
10	71.89	59.585	4283.76	1.000	0.00	6050.0	5633	3568.55	83.3
11	71.93	69.736	5016.32	1.000	0.00	7273.3	5587	4255.09	84.8
12	72.01	80.524	5798.51	1.000	0.00	5986.7	5543	3474.77	59.9
13	72.07	91.89	6622.82	1.000	0.00	10013.3	5497	5763.70	87.0
14	72.16	103.757	7487.08	1.000	0.00	11476.7	5449	6548.31	87.5
15	72.23	115.717	8358.60	1.000	0.00	12970.0	5402	7336.54	87.8
16	72.28	127.990	9251.12	1.000	0.00	14496.7	5353	8125.72	87.8
17	72.33	140.443	10158.73	1.000	0.00	16043.3	5304	8910.35	87.7
18	72.26	152.690	11033.89	1.000	0.00	17600.0	5246	9668.02	87.6
19	72.08	165.160	11905.28	1.000	0.00	19156.7	5184	10398.76	87.3
20	71.95	177.407	12765.00	1.000	0.00	20656.7	5127	11089.71	86.9
21	71.89	189.400	13616.60	1.000	0.00	22116.7	5076	11755.41	86.3
22	71.88	200.760	14430.63	1.000	0.00	23536.7	5032	12401.73	85.9
23	71.89	211.500	15204.03	1.000	0.00	24873.3	4991	12999.25	85.5
24	71.88	221.517	15922.62	1.000	0.00	26113.3	4952	13540.65	85.0
25	71.87	230.530	16568.19	1.000	0.00	27230.0	4920	14028.44	84.7
26	71.83	238.223	17111.58	1.000	0.00	28163.3	4888	14414.91	84.2
27	71.77	244.523	17549.44	1.000	0.00	28896.7	4863	14714.61	83.8
28	71.66	249.493	17878.69	1.000	0.00	29483.3	4838	14936.16	83.5
29	71.54	253.423	18130.75	1.000	0.00	29946.7	4815	15098.76	83.3
30	71.38	256.473	18307.92	1.000	0.00	30323.3	4795	15225.17	83.2
31	71.04	258.540	18365.82	1.000	0.00	30573.3	4761	15241.85	83.0
32	70.09	258.967	18150.97	1.000	0.00	30643.3	4692	15055.34	83.0
33	68.52	258.270	17696.66	1.000	0.00	30583.3	4582	14673.60	82.9
34	66.76	257.717	17206.02	1.000	0.00	30503.3	4460	14245.54	82.8
35	65.08	257.293	16744.65	1.000	0.00	30323.3	4342	13786.80	82.3
36	63.52	256.910	16318.07	1.000	0.00	30280.0	4231	13415.15	82.2
37	61.93	256.400	15879.71	1.000	0.00	30190.0	4120	13024.38	82.0
38	60.34	255.970	15444.38	1.000	0.00	30083.3	4006	12619.25	81.7
39	58.88	255.830	15063.27	1.000	0.00	30020.0	3902	12265.76	81.4
40	57.49	255.397	14683.61	1.000	0.00	29933.3	3803	11920.05	81.2