

Dynamic test

Production company: Servovition

Motor type: 001

Motor number: 10kw48V

Testers: 001

Date of test: 2012-3-10

Rated voltage: 48 V

Rated current: 150 A

Rated power: 6500 W

Rated speed: 3500 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	48.05	16.365	786.33	1.000	0.00	565.0	3928	232.39	29.6
2	48.05	16.555	795.48	1.000	0.00	193.3	3927	79.50	10.0
3	48.05	17.376	834.92	1.000	0.00	373.3	3925	153.44	18.4
4	48.05	18.896	907.95	1.000	0.00	810.0	3920	332.48	36.6
5	48.05	21.493	1032.74	1.000	0.00	826.7	3911	338.54	32.8
6	48.05	25.382	1219.61	1.000	0.00	1553.3	3900	634.35	52.0
7	48.05	30.625	1471.43	1.000	0.00	2416.7	3882	982.36	66.8
8	48.05	37.135	1784.20	1.000	0.00	3700.0	3862	1496.27	83.9
9	48.06	44.725	2149.48	1.000	0.00	4070.0	3841	1636.95	76.2
10	48.11	53.041	2551.98	1.000	0.00	5186.7	3820	2074.67	81.3
11	48.16	62.097	2990.40	1.000	0.00	6373.3	3797	2533.98	84.7
12	48.19	71.857	3462.55	1.000	0.00	7603.3	3772	3003.12	86.7
13	48.23	82.248	3966.55	1.000	0.00	8873.3	3746	3480.58	87.8
14	48.25	93.200	4497.19	1.000	0.00	10226.7	3718	3981.44	88.5
15	48.30	104.476	5046.21	1.000	0.00	11590.0	3692	4480.66	88.8
16	48.24	115.743	5583.46	1.000	0.00	13023.3	3659	4989.78	89.4
17	48.09	127.607	6136.18	1.000	0.00	14440.0	3618	5470.57	89.2
18	48.07	139.603	6710.73	1.000	0.00	15926.7	3587	5982.09	89.1
19	48.07	151.700	7292.72	1.000	0.00	17460.0	3558	6504.99	89.2
20	48.07	163.813	7874.51	1.000	0.00	18933.3	3527	6992.45	88.8
21	48.07	175.563	8438.74	1.000	0.00	20420.0	3500	7483.77	88.7
22	48.04	186.903	8979.46	1.000	0.00	21816.7	3474	7936.24	88.4
23	47.99	197.253	9465.53	1.000	0.00	23116.7	3448	8346.21	88.2
24	47.89	206.440	9887.10	1.000	0.00	24213.3	3423	8678.77	87.8
25	47.81	214.020	10232.30	1.000	0.00	25130.0	3402	8952.07	87.5
26	47.75	219.720	10492.36	1.000	0.00	25836.7	3387	9163.22	87.3
27	47.70	224.270	10698.43	1.000	0.00	26393.3	3374	9324.72	87.2
28	47.66	227.967	10864.89	1.000	0.00	26833.3	3365	9454.89	87.0
29	47.61	231.223	11009.31	1.000	0.00	27226.7	3355	9564.97	86.9
30	47.55	234.190	11136.52	1.000	0.00	27563.3	3347	9660.15	86.7
31	47.50	236.767	11247.21	1.000	0.00	27896.7	3339	9753.61	86.7
32	47.45	239.167	11347.66	1.000	0.00	28190.0	3330	9829.60	86.6
33	47.37	241.447	11436.52	1.000	0.00	28453.3	3321	9894.61	86.5
34	47.29	243.540	11517.01	1.000	0.00	28696.7	3311	9949.18	86.4
35	47.21	245.120	11572.12	1.000	0.00	28940.0	3304	10012.33	86.5