

1.The resistance measure: mΩ

U1-V1	U1-W1	V1-W1	Amb.Tem,(°C)
3.72	3.72	3.72	16.5

2.Performace Test

U ₁ (V)	Hz	I ₁ (A)	P ₁ (W)	n _N (rpm)	P ₂ (W)	T _N (N.m)	η (%)	COS Φ	I _O (A)	P _O (W)
44.85	145	470.6	31103	4052	25418	59.9	81.72	0.8508	60.6	642
47.65	140	272.8	19945	4080	17305	40.5	86.76	0.8859	67.4	749
45.44	162	414.8	27716	4598	22776	47.3	82.18	0.8490	56.7	717
49.78	104.7	164.5	9543	3111	8015	24.6	83.99	0.6728	109.9	933

3. Temperature-Raise Test (S2-60min)

U ₁	Hz	I ₁	P ₁	n _N	P ₂	T _N	η	COS Φ	机壳	室温	时间
(V)		(A)	(W)	(rpm)	(W)	(N.m)	(%)		(°C)	(°C)	(min)
48.98	104.7	162.9	9554	3105	8032	24.7	84.07	0.6913	34.7	14.1	8:20
48.94	104.7	162.9	9555	3101	8021	24.7	83.95	0.6920	59.5	14.1	8:30
48.94	104.7	162.6	9565	3098	8015	24.7	83.80	0.6940	73.8	14.1	8:40
48.93	104.7	162.6	9555	3095	8006	24.7	83.79	0.6934	91.6	14.1	8:50
48.93	104.7	162.6	9558	3093	8000	24.7	83.70	0.6936	98.9	14.1	8:55

Note: Resistance method: Rc=3.72mΩ; Qc=16.5°C; Rf=5.2mΩ; ΔΦ=102.5K;

4. Temperature-Raise Test (S2-60min) 16:00 Start

U ₁	Hz	I ₁	P ₁	n _N	P ₂	T _N	η	COS Φ	机壳	室温	时间
(V)		(A)	(W)	(rpm)	(W)	(N.m)	(%)		(°C)	(°C)	(min)
48.77	104.7	152	8359	3112	7006	21.5	83.81	0.6510	20.8	17.2	16:02
48.75	104.7	152	8350	3108	7000	21.5	83.83	0.6506	45.8	16.7	16:10
48.67	104.7	151.4	8319	3105	6991	21.5	84.04	0.6518	65.8	16.5	16:20
48.82	104.7	152.3	8411	3103	7019	21.6	83.45	0.6531	81.6	16.5	16:30
48.93	104.7	152.3	8389	3100	7012	21.6	83.59	0.6500	99.9	16.5	16:40
49	104.7	152	8374	3098	7008	21.6	83.69	0.6492	111.5	16.5	16:50
48.93	104.7	152.2	8395	3097	7006	21.6	83.45	0.6509	123.5	16.5	17:00

Note: Resistance method: Rc=3.72mΩ; Qc=16.5°C; Rf=5.58mΩ; ΔΦ=125.8K;

5. Fixed Frequency Test

U ₁ (V)	Hz	I ₁ (A)	P ₁ (W)	n _N (rpm)	P ₂ (W)	T _N (N.m)	η (%)	COS Φ
45.95	140	412.2	28580	3963	24362	58.7	85.24	0.8712
46.84	140	317.9	22824	4035	19818	46.9	86.83	0.8850
48.08	140	240.2	17754	4086	15190	35.5	85.56	0.8876
49.04	140	172.3	12791	4127	10502	24.3	82.10	0.8740
50.21	140	107.1	7035	4164	5189	11.9	73.76	0.7553
44.28	130	485.3	31613	3632	25712	67.6	81.33	0.8494
46.05	130	346.6	24058	3722	21087	54.1	87.65	0.8703
47.12	130	264.5	18844	3778	16182	40.9	85.87	0.8730
47.93	130	188.1	13254	3823	10970	27.4	82.77	0.8488
48.66	130	117.1	7232	3862	5460	13.5	75.50	0.7328
44.91	120	521.9	34719	3317	28762	82.8	82.84	0.8552
46.36	120	385.9	26980	3410	23819	66.7	88.28	0.8707
47.49	120	289.1	20692	3474	18045	49.6	87.21	0.8702
48.41	120	205.3	14549	3522	12098	32.8	83.15	0.8452
49.09	120	128.6	7877	3561	6190	16.6	78.58	0.7204
45.42	110	515.3	35048	3038	29397	92.4	83.88	0.8646
46.77	110	391.1	27570	3122	24227	74.1	87.87	0.8702
47.82	110	298.1	21323	3178	18404	55.3	86.31	0.8636
48.64	110	211.8	14661	3224	12526	37.1	85.44	0.8217
49.92	110	138.5	8050	3262	6354	18.6	78.93	0.6722
45.76	100	499.6	34173	2822	2996	101.5	8.77	0.8630
46.78	100	389.6	27022	2873	24520	81.5	90.74	0.8560
47.51	100	304.8	20917	2910	18620	61.1	89.02	0.8340
48.23	100	226.9	14670	2942	12601	40.9	85.90	0.7740

48.96	100	159.2	8078	2971	6409	20.6	79.34	0.5984
45.86	90	499.4	34009	2520	29583	112.1	86.99	0.8574
46.51	90	400.3	26950	2564	24112	89.8	89.47	0.8358
47.3	90	319.3	20677	2606	18312	67.1	88.56	0.7905
47.8	90	250.6	14605	2639	12381	44.8	84.77	0.7040
48.49	90	195.7	8144	2669	6317	22.6	77.57	0.4955
45.93	80	517.7	33953	2230	29285	125.4	86.25	0.8244
46.58	80	430.1	26883	2274	23838	100.1	88.67	0.7747
47.12	80	362.4	20468	2311	18200	75.2	88.92	0.6920
47.62	80	314.7	14637	2342	12361	50.4	84.45	0.5639
48.12	80	281.7	8439	2371	6257	25.2	74.14	0.3594
41.48	70	502.6	29608	1938	25247	124.4	85.27	0.8200
41.9	70	431.5	24002	1977	20704	100	86.26	0.7665
42.24	70	376.5	18825	2011	15753	74.8	83.68	0.6834
42.46	70	330.5	13280	2042	10629	49.7	80.04	0.5464
42.66	70	301.7	7722	2070	5376	24.8	69.62	0.3464
35.24	60	513.8	26287	1619	21532	127	81.91	0.8382
35.67	60	436.9	21253	1666	17743	101.7	83.48	0.7874
36.03	60	378.1	16705	1705	13588	76.1	81.34	0.7080
36.25	60	330.2	12024	1736	9526	52.4	79.22	0.5800
36.45	60	297.8	6780	1770	4708	25.4	69.44	0.3606
29.07	50	513.2	22123	1308	17163	125.3	77.58	0.8562
29.51	50	437.1	18156	1361	14253	100	78.50	0.8127
29.86	50	370.5	14004	1401	11033	75.2	78.78	0.7308
30.1	50	319.2	9780	1437	7539	50.1	77.09	0.5877
30.2	50	291.7	5652	1469	3861	25.1	68.31	0.3704
23.61	40	510.1	17868	1028	13156	122.2	73.63	0.8566
23.98	40	437.9	14677	1076	11088	98.4	75.55	0.8070
24.28	40	371.7	11066	1115	8536	73.1	77.14	0.7079
24.51	40	330.5	7774	1146	5820	48.5	74.86	0.5541
24.67	40	313.5	4685	1173	2997	24.4	63.97	0.3497
17.38	30	500.1	13300	723	8624	113.9	64.84	0.8835
17.79	30	411.3	10372	798	7605	91	73.32	0.8184
18.05	30	351.4	7924	829	5938	68.4	74.94	0.7213
18.26	30	313.8	5568	855	4083	45.6	73.33	0.5610
18.42	30	301.8	3411	878	2096	22.8	61.45	0.3543
12.39	20	438.1	8031	486	5029	98.8	62.62	0.8542
12.66	20	380.2	6202	525	4195	76.3	67.64	0.7439
12.84	20	356.8	4908	548	3283	57.2	66.89	0.6185
12.94	20	352.7	3785	567	2239	37.7	59.15	0.4788
13.03	20	373.1	2613	590	1168	18.9	44.70	0.3103