

UU Motor 400N.m

电机型号		KK5WT4			额定电压
单位名称					额定电流
测试人					额定功率
测试日期		2025-12-17			额定转速
No.	U(V)	I(A)	Pin(W)	T(N.m)	S(r/m)
006	48.1	2.707	130.4	3.2	167.0
007	48.1	3.261	157.1	4.8	166.0
008	48.1	3.765	181.3	6.1	167.0
009	48.1	4.315	207.8	8.9	166.0
010	48.1	4.931	237.5	10.6	165.0
011	48.1	5.620	270.6	12.5	164.0
012	48.1	6.341	303.7	14.3	163.0
013	48.1	7.060	339.8	16.5	162.0
014	48.1	7.848	376.2	19.0	162.0
015	48.1	8.641	415.7	22.2	161.0
016	48.1	9.510	457.4	25.3	160.0
017	48.0	10.32	496.5	28.5	159.0
018	48.0	11.19	538.4	31.4	158.0
019	48.0	12.04	579.1	34.5	158.0
020	48.0	12.96	623.0	37.2	155.0
021	48.0	13.86	666.3	40.5	155.0
022	48.0	14.76	709.1	43.7	155.0
023	48.0	15.68	753.2	46.4	154.0
024	48.0	16.60	795.8	49.5	152.0
025	48.0	17.46	838.5	52.3	152.0
026	47.9	18.39	883.0	55.6	151.0
027	47.9	19.27	924.7	58.6	149.0
028	47.9	20.20	969.0	61.2	150.0
029	47.9	21.10	1012	64.3	149.0
030	47.9	22.05	1057	67.5	147.0
031	47.9	22.97	1101	70.2	146.0
032	47.9	23.92	1146	73.4	147.0

033	47.9	24.82	1189	76.5	146.0
034	47.8	25.74	1233	79.3	145.0
035	47.8	26.68	1276	82.4	143.0
036	47.8	27.63	1321	85.3	143.0
037	47.8	28.57	1367	88.5	142.0
038	47.8	29.48	1408	91.7	141.0
039	47.8	30.28	1447	95.0	140.0
040	47.8	31.08	1486	98.2	139.0
041	47.8	31.87	1523	101.7	138.0
042	47.8	32.65	1561	105.2	137.0
043	47.8	33.43	1598	108.7	136.0
044	47.8	34.21	1635	112.2	135.0
045	47.8	34.99	1673	115.7	134.0
046	47.8	35.79	1710	119.8	133.0
047	47.8	36.56	1748	123.9	132.0
048	47.8	37.33	1784	128.0	131.0
049	47.8	38.23	1827	132.1	130.0
050	47.7	39.31	1875	136.3	129.0
051	47.7	40.22	1918	140.5	128.0
052	47.7	41.14	1962	144.9	127.0
053	47.7	42.06	2006	149.3	126.0
054	47.7	43.10	2056	154.2	125.0
055	47.7	44.00	2099	158.9	124.0
056	47.7	44.92	2143	163.5	123.0
057	47.7	45.83	2186	168.2	122.0
058	47.7	46.74	2229	172.3	121.0
059	47.7	47.67	2274	176.5	120.0
060	47.7	48.58	2317	180.9	119.0
061	47.7	49.49	2361	185.5	118.0
062	47.7	50.42	2405	189.7	117.0
063	47.7	51.34	2449	194.2	116.0
064	47.7	52.25	2492	198.8	115.0
065	47.7	53.16	2536	203.4	114.0
066	47.7	54.07	2579	207.8	113.0

067	47.7	55.04	2625	212.9	112.0
068	47.7	56.02	2672	218.1	111.0
069	47.7	56.99	2718	223.1	110.0
070	47.7	57.98	2766	228.3	109.0
071	47.7	58.97	2813	233.2	108.0
072	47.7	59.99	2862	238.4	107.0
073	47.7	60.98	2909	243.5	106.0
074	47.7	61.96	2955	248.7	105.0
075	47.7	62.95	3003	253.8	104.0
076	47.7	63.99	3052	258.7	103.0
077	47.6	64.98	3093	263.8	102.0
078	47.6	65.97	3140	269.0	101.0
079	47.6	66.95	3187	274.1	100.0
080	47.6	67.96	3235	279.2	99.0
081	47.6	68.95	3282	284.7	98.0
082	47.6	69.97	3331	290.1	97.0
083	47.6	70.99	3379	295.3	96.0
084	47.6	72.01	3428	300.4	95.0
085	47.6	73.02	3476	305.5	94.0
086	47.6	74.05	3525	310.6	93.0
087	47.6	75.04	3572	315.5	92.0
088	47.6	76.03	3619	320.3	91.0
089	47.6	77.04	3667	325.6	90.0
090	47.6	78.05	3715	330.4	86.0
091	47.6	79.06	3763	335.7	80.0
092	47.6	80.00	3808	340.8	75.0
093	47.6	80.00	3808	348.2	65.0
094	47.6	80.00	3808	357.0	55.0
095	47.6	80.00	3808	368.0	45.0
096	47.6	80.00	3808	370.0	35.0

motor testing data

$\tilde{U}$	48 (V)				
$\tilde{I}$	20 (A)				
$\tilde{S}$	2000 (W)				
$\tilde{n}$	200 (r/m)				
Pout (W)	η (%)				
58.80	45.1				
85.56	54.5				
106.0	58.9				
137.0	65.9				
167.0	70.3				
199.0	75.0				
233.0	78.3				
269.0	79.2				
306.0	81.3				
341.0	83.4				
384.0	84.0				
418.0	84.2				
452.0	84.9				
495.0	86.5				
537.0	86.2				
578.0	86.7				
613.0	87.3				
659.0	87.5				
694.0	87.2				
734.0	87.5				
768.0	88.0				
802.0	86.7				
850.0	87.7				
883.0	87.8				
913.0	86.9				
959.0	87.1				
994.0	86.7				

1029	87.2				
1062	86.5				
1096	85.9				
1138	86.1				
1168	85.9				
1212	86.1				
1244	86.0				
1278	86.0				
1308	85.9				
1339	85.8				
1396	85.7				
1400	85.6				
1430	85.5				
1462	85.5				
1493	85.4				
1522	85.3				
1558	85.3				
1598	85.2				
1630	85.0				
1664	84.8				
1697	84.5				
1733	84.3				
1767	84.2				
1800	84.0				
1832	83.8				
1863	83.6				
1892	83.2				
1923	83.0				
1950	82.6				
1979	82.3				
2006	81.9				
2031	81.5				
2054	81.0				
2089	81.0				

2116	80.6				
2143	80.2				
2172	79.9				
2199	79.5				
2222	79.0				
2252	78.7				
2281	78.4				
2302	77.9				
2327	77.5				
2350	77.0				
2366	76.5				
2386	76.0				
2409	75.6				
2426	75.0				
2445	74.5				
2462	73.9				
2484	73.5				
2502	73.0				
2496	71.8				
2475	70.2				
2468	69.1				
2461	68.0				
2453	66.9				
2448	65.9				
2427	64.5				
2399	63.0				
2285	60.0				
2094	55.0				
1866	49.0				
1523	40.0				

[illegible]