

KN6 testing data in 24V 36V 48V

24V

电机型号		KN6 Series			额定电压		24(V)
单位名称		UUMOTOR			额定电流		13.0(A)
测试人					额定功率		350(W)
测试日期		2023-02-17			额定转速		80(r/m)
No.	U(V)	I(A)	Pin(W)	T(N.m)	S(r/m)	Pout(W)	η (%)
001	24.3	0.000	0.00	0.0	0.0	0.00	0.0
002	24.3	1.446	35.25	0.0	15.0	0.05	0.0
003	24.3	0.670	16.10	0.6	110.0	8.80	54.7
004	24.3	0.901	22.03	1.0	110.0	12.26	61.0
005	24.3	1.163	28.34	1.7	109.0	20.05	70.7
006	24.3	1.457	35.48	2.5	106.0	28.85	81.3
007	24.3	2.058	50.11	3.4	107.0	39.92	85.7
008	24.3	2.579	62.79	4.8	104.0	53.33	84.9
009	24.3	3.178	77.36	6.1	103.0	66.65	89.5
010	24.3	3.861	93.93	7.7	101.0	82.26	87.6
011	24.3	4.599	111.8	9.2	100.0	96.69	89.0
012	24.3	5.374	130.6	11.1	98.0	115.0	88.1
013	24.2	6.192	150.4	12.7	96.0	128.0	85.6
014	24.2	7.004	170.1	15.0	94.0	148.0	87.0
015	24.2	7.656	185.8	16.8	92.0	162.0	87.2
016	24.2	8.710	211.3	18.7	90.0	177.0	85.7
017	24.2	9.532	231.1	20.8	90.0	196.0	84.8
018	24.2	10.40	252.0	22.5	87.0	206.0	83.1
019	24.2	11.26	272.8	24.9	85.0	223.0	81.7
020	24.2	12.17	294.8	26.7	84.0	236.0	82.0
021	24.1	13.04	315.0	28.9	81.0	249.0	79.0
022	24.1	14.02	338.8	31.0	80.0	260.0	77.8
023	24.1	14.89	359.9	33.3	77.0	272.0	75.6
024	24.1	15.81	382.1	35.0	76.0	282.0	74.9
025	24.1	16.73	404.0	37.5	76.0	299.0	74.0
026	24.1	17.76	428.6	39.6	73.0	303.0	71.4
027	24.1	18.79	453.1	42.0	71.0	312.0	68.9
028	24.1	19.81	477.4	44.0	70.0	323.0	68.3
029	24.0	20.77	500.3	46.5	68.0	331.0	66.2
030	24.0	21.60	517.9	48.8	66.0	338.0	65.3
031	24.0	22.83	549.3	51.2	62.0	332.0	60.4
032	24.0	23.62	568.0	53.2	64.0	351.0	61.8
033	23.9	24.89	595.5	55.3	59.0	348.0	58.9
034	23.6	26.01	614.7	57.8	56.0	345.0	56.1
035	23.1	26.89	623.1	59.7	52.0	325.0	52.3
036	22.4	27.09	608.5	62.2	46.0	300.0	49.3
037	23.4	2.605	63.53	52.0	24.0	174.0	28.7

36V

电机型号		KN6 Series			额定电压		36(V)
单位名称		UUMOTOR			额定电流		13.0(A)
测试人					额定功率		500(W)
测试日期		2023-03-14			额定转速		125(r/m)
No.	U(V)	I(A)	Pin(W)	T(N.m)	S(r/m)	Pout(W)	η (%)
001	36.5	0.671	24.51	0.2	165.0	3.39	13.8
002	36.5	0.667	24.35	0.2	165.0	3.39	14.0
003	36.5	0.856	31.16	0.5	163.0	10.06	32.3
004	36.5	1.067	39.02	1.0	163.0	18.84	51.6
005	36.5	1.328	48.49	1.7	162.0	29.93	61.7
006	36.4	1.703	62.40	2.5	162.0	42.26	72.1
007	36.4	2.064	75.33	3.4	160.0	57.78	76.7
008	36.4	2.700	98.50	4.8	157.0	79.94	81.2
009	36.4	3.280	119.6	5.9	155.0	98.83	84.0
010	36.4	3.959	144.3	7.5	153.0	122.0	84.5
011	36.4	4.665	170.0	9.0	151.0	144.0	86.1
012	36.4	5.418	197.4	10.8	149.0	167.0	84.6
013	36.4	6.176	224.9	12.6	147.0	195.0	86.7
014	36.4	6.988	254.5	14.2	145.0	218.0	87.8
015	36.4	7.770	282.4	16.3	143.0	243.0	86.0
016	36.4	8.612	311.6	17.9	140.0	265.0	86.3
017	36.3	9.367	340.8	20.0	139.0	287.0	84.2
018	36.3	10.19	371.0	21.9	137.0	314.0	84.6
019	36.3	11.01	400.6	23.7	133.0	331.0	83.7
020	36.3	11.85	431.1	25.8	133.0	358.0	83.0
021	36.3	12.73	462.8	27.7	130.0	377.0	82.3
022	36.3	13.60	494.4	30.0	128.0	405.0	81.9
023	36.3	14.51	527.2	32.1	126.0	425.0	80.6
024	36.3	15.44	560.7	34.0	123.0	438.0	78.9
025	36.3	16.32	592.7	36.3	121.0	460.0	77.6
026	36.2	17.26	626.6	38.3	118.0	473.0	76.1
027	36.2	18.13	658.0	40.2	119.0	498.0	76.0
028	36.2	19.12	693.7	42.9	117.0	527.0	76.0
029	36.2	20.09	728.3	44.8	113.0	530.0	73.4
030	36.2	20.94	759.0	47.2	113.0	553.0	72.9
031	36.2	22.00	797.3	49.5	110.0	570.0	71.5
032	36.2	23.01	833.7	51.1	107.0	568.0	68.8
033	36.2	23.92	866.2	53.5	105.0	588.0	67.9
034	36.2	24.86	900.1	55.8	102.0	596.0	66.5
035	36.1	25.86	935.7	57.7	102.0	617.0	66.1
036	36.1	26.91	973.3	59.8	98.0	620.0	63.7
037	36.1	27.91	1009	61.6	97.0	626.0	62.2
038	36.1	28.94	1046	63.9	95.0	636.0	60.8
039	36.1	29.93	1081	65.8	92.0	635.0	58.7
040	36.1	30.92	1116	67.5	90.0	636.0	57.3

041	36.1	31.86	1149	69.4	87.0	640.0	55.7
042	36.0	32.82	1185	71.4	85.0	636.0	54.0
043	36.0	33.75	1216	73.2	83.0	636.0	52.6
044	36.0	34.51	1244	75.6	79.0	626.0	50.3
045	36.0	35.22	1270	77.1	76.0	606.0	47.9
046	36.0	35.64	1285	79.0	72.0	596.0	46.4

48V

电机型号		KN6 Series			额定电压		48(V)
单位名称		UUMOTOR			额定电流		16.0(A)
测试人					额定功率		800(W)
测试日期		2023-02-21			额定转速		160(r/m)
No.	U(V)	I(A)	Pin(W)	T(N.m)	S(r/m)	Pout(W)	η (%)
001	48.5	0.895	43.44	0.2	215.0	6.64	15.3
002	48.5	0.897	43.55	0.2	214.0	6.64	15.3
003	48.5	1.057	51.33	0.7	215.0	16.68	32.5
004	48.5	1.259	61.11	1.1	213.0	25.53	42.6
005	48.5	1.525	74.04	1.7	212.0	38.84	54.0
006	48.5	1.879	91.16	2.5	210.0	57.72	63.3
007	48.5	2.315	112.3	3.4	209.0	76.68	70.4
008	48.5	2.830	137.3	4.7	208.0	103.0	75.0
009	48.5	3.391	164.4	5.8	206.0	126.0	79.2
010	48.4	4.030	194.3	7.3	205.0	158.0	81.3
011	48.4	4.701	227.0	8.8	201.0	187.0	82.4
012	48.4	5.400	260.7	10.4	199.0	218.0	85.6
013	48.4	6.107	296.0	12.3	198.0	255.0	86.1
014	48.4	6.858	332.3	13.8	195.0	282.0	86.4
015	48.4	7.609	368.6	15.7	193.0	316.0	85.7
016	48.4	8.372	405.5	17.5	190.0	348.0	85.8
017	48.4	9.115	441.4	19.2	188.0	380.0	87.2
018	48.4	9.908	479.7	21.2	184.0	410.0	85.5
019	48.4	10.74	520.0	23.1	183.0	443.0	86.1
020	48.4	11.58	560.7	25.2	180.0	475.0	84.7
021	48.3	12.42	601.3	27.2	178.0	511.0	85.0
022	48.3	13.27	642.0	29.2	176.0	540.0	84.8
023	48.3	14.12	683.0	31.4	173.0	569.0	83.3
024	48.3	14.98	724.7	33.3	171.0	593.0	82.7
025	48.3	15.83	764.4	35.3	170.0	629.0	82.3
026	48.3	16.73	807.1	37.5	167.0	656.0	81.3
027	48.3	17.59	849.1	39.6	165.0	685.0	81.4
028	48.3	18.46	892.0	42.0	162.0	712.0	79.8
029	48.3	19.36	935.7	44.0	161.0	742.0	79.3
030	48.3	20.25	978.4	45.9	158.0	765.0	78.7
031	48.2	21.12	1020	48.1	157.0	791.0	77.5
032	48.2	22.02	1063	50.1	154.0	801.0	75.6
033	48.2	22.92	1106	52.3	153.0	838.0	75.8
034	48.2	23.81	1148	54.3	151.0	860.0	74.9

035	48.2	24.76	1194	56.2	149.0	878.0	73.8
036	48.2	25.64	1236	58.3	147.0	893.0	72.2
037	48.2	26.60	1282	60.5	143.0	906.0	70.9
038	48.2	27.51	1326	62.3	143.0	933.0	70.7
039	48.1	28.40	1369	64.5	140.0	946.0	69.1
040	48.1	29.40	1416	66.4	138.0	953.0	67.6
041	48.1	30.25	1457	68.3	135.0	967.0	66.4
042	48.1	31.13	1499	70.3	131.0	964.0	64.3
043	48.1	31.94	1537	72.0	129.0	974.0	63.6
044	48.1	32.78	1577	73.9	127.0	984.0	62.4
045	48.1	33.50	1612	75.7	125.0	983.0	61.2
046	48.1	33.89	1630	77.3	119.0	964.0	59.3
047	48.1	34.60	1664	79.4	114.0	948.0	57.0
048	48.0	34.91	1679	81.4	108.0	922.0	55.0
049	48.0	35.42	1703	82.9	103.0	903.0	53.0
050	48.0	35.96	1729	85.2	99.0	884.0	51.1

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