



Datasheet

SUNNYSKY KV580 V3508 Multirotor Brushless Motor for Quadcopter rc model

V3508

Weight: 97g	Max thrust : 2300g ⁺
Diameter : 41.8mm	Length: 20mm
ESC : 30A	Lipo Cell : 4-6S
Prop(inch) : 12-15寸	
Recommended takeoff weight calculated per arm: 800g (KV380) / 700g (KV580) 800g (KV700)	



Stator Diameter	35mm
Stator Thickness	8mm
No. of Stator Arms	12
No. of Rotor Poles	14
Motor Kv	580
No-Load Current (A/10V)	0.6A
Motor Resistance	125mΩ
Max Continuous Current	25A/30s
Max Continuous Power	400W
Weight	97g
Rotor Diameter	41.8mm
Body Length	20mm
Max Lipo Cell	4S
ESC	30A

Prop (inch)	Voltage (V)	PRM	Current (A)	Thrust (gf)	Power (W)	Efficiency (g/W)	Load temperature in 100% throttle 全油门负载温度
12x3.8	14.8	2070	0.4	100	6	16.89	38°C
		2835	1	200	15	13.51	
		3357	1.7	300	25	11.92	
		3778	2.5	400	37	10.81	
		4150	3.5	500	52	9.65	
		4504	4.6	600	68	8.81	
		4814	5.7	700	84	8.30	
		5060	6.9	800	102	7.83	
		5328	8.3	900	123	7.33	
		5576	9.7	1000	144	6.97	
		5943	12.7	1200	188	6.38	
		6233	14.9	1320	221	5.99	
	16	2080	0.4	100	6	15.63	40°C
		2840	0.9	200	14	13.89	
		3365	1.6	300	26	11.72	
		3766	2.4	400	38	10.42	
		4158	3.3	500	53	9.47	
		4510	4.3	600	69	8.72	
		4823	5.4	700	86	8.10	
		5070	6.6	800	106	7.58	
		5321	8	900	128	7.03	
		5565	9.2	1000	147	6.79	
		5950	12.1	1200	194	6.20	
		6497	16.8	1470	269	5.47	
1822	0.4	100	6	16.89	40°C		
2670	1	200	15	13.51			

12x4.7	14.8	3210	1.7	300	25	11.92	48°C
		3648	2.5	400	37	10.81	
		3980	3.4	500	50	9.94	
		4320	4.4	600	65	9.21	
		4640	5.6	700	83	8.45	
		4870	6.8	800	101	7.95	
		5160	7.1	900	105	8.56	
		5427	9.8	1000	145	6.89	
		5830	12.9	1200	191	6.29	
		6130	15.4	1360	228	5.97	
		1865	0.3	100	5	20.83	
	2675	0.9	200	14	13.89		
	16	3217	1.5	300	24	12.50	55°C
		3640	2.3	400	37	10.87	
		3985	3.1	500	50	10.08	
		4310	4.2	600	67	8.93	
		4630	5.2	700	83	8.41	
		4860	6.4	800	102	7.81	
		5150	7.5	900	120	7.50	
		5435	8.9	1000	142	7.02	
		5830	12	1200	192	6.25	
		6300	15.6	1400	250	5.61	
6500		17.4	1520	278	5.46		
1510	0.3	100	4	22.52			
2110	0.9	200	13	15.02			
2540	1.5	300	22	13.51			

14x4.7	14.8	2850	2.2	400	33	12.29	3min 58°C
		3175	3	500	44	11.26	
		3460	4	600	59	10.14	
		3716	5.1	700	75	9.27	
		3970	6.4	800	95	8.45	
		4190	7.4	900	110	8.22	
		4380	8.9	1000	132	7.59	
		4810	12.2	1200	181	6.65	
		5120	15.4	1400	228	6.14	
		5520	19.7	1650	292	5.66	
		1510	0.3	100	5	20.83	
		2100	0.8	200	13	15.63	
		2530	1.4	300	22	13.39	
		2860	2	400	32	12.50	
	16	3170	2.8	500	45	11.16	3min 63°C
		3470	3.7	600	59	10.14	
		3720	4.7	700	75	9.31	
		3960	5.8	800	93	8.62	
		4185	7	900	112	8.04	
		4373	8.2	1000	131	7.62	
		4800	11.5	1200	184	6.52	
		5130	14.6	1400	234	5.99	
		5261	16.5	1600	264	6.06	
		5760	22.3	1860	357	5.21	
		1418	0.3	100	4	22.52	
		2016	0.8	200	12	16.89	
2430		1.4	300	21	14.48		
2825		2.1	400	31	12.87		
3171	3	500	44	11.26			
3449	3.8	600	56	10.67			

15x5.5	14.8	3742	4.8	700	71	9.85	3min 55°C
		3970	5.8	800	86	9.32	
		4200	7	900	104	8.69	
		4460	8.4	1000	124	8.04	
		4870	11	1200	163	7.37	
		5270	14.3	1400	212	6.62	
		5450	18	1600	266	6.01	
		5690	18.7	1700	277	6.14	
		1430	0.3	100	5	20.83	
		2020	0.8	200	13	15.63	
		2440	1.3	300	21	14.42	
		2830	2	400	32	12.50	
	3185	2.8	500	45	11.16		
	3445	3.5	600	56	10.71		
	16	3740	4.5	700	72	9.72	2min 58°C
		3980	5.5	800	88	9.09	
		4195	6.6	900	106	8.52	
		4463	7.8	1000	125	8.01	
		4880	10.4	1200	166	7.21	
		5260	13.2	1400	211	6.63	
5440		16.8	1600	269	5.95		
5960		20.6	1870	330	5.67		

