



Datasheet

SUNNYSKY KV380 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"	
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	380
No-Load Current (A/10V)	0.3A
Motor Resistance	257mΩ
Max Continuous Current	16A/30s
Max Continuous Power	400W
Weight	97g
Rotor Diameter	41.8mm
Body Length	20mm
Max Lipo Cell	4-6S
ESC	30A
Recommended Prop(inch)	12x3.8 12x4.7
	15x5.5 14x4.7

Prop (inch)	Voltage (V)	PRM	Current (A)	Thrust (gf)	Power (W)	Efficiency (g/W)
12x3.8	22.2	1990	0.2	100	4	22.52
		2740	0.5	200	11	18.02
		3310	1	300	22	13.51
		3750	1.5	400	33	12.01
		4110	2.1	500	47	10.73
		4480	2.8	600	62	9.65
		4760	3.4	700	75	9.27
		5030	4.2	800	93	8.58
		5340	5.2	900	115	7.80
		5530	5.9	1000	131	7.63
		5959	7.8	1200	173	6.93
		6350	9.8	1400	218	6.44
	25	1980	0.2	100	5	20.00
		2730	0.5	200	13	16.00
		3220	0.9	300	23	13.33
		3740	1.4	400	35	11.43
		4120	1.9	500	48	10.53
		4490	2.5	600	63	9.60
		4750	3.1	700	78	9.03
		5020	3.8	800	95	8.42
		5330	4.6	900	115	7.83
		5520	5.4	1000	135	7.41
		5970	7.2	1200	180	6.67
		6345	9.3	1400	233	6.02
6720	10.9	1600	273	5.87		
6900	12.1	1700	303	5.62		

12x4.7	22.2	1880	0.2	100	4	22.52	55°C
		2630	0.5	200	11	18.02	
		3171	1	300	22	13.51	
		2600	1.5	400	33	12.01	
		3980	2.1	500	47	10.73	
		4360	2.8	600	62	9.65	
		4610	3.4	700	75	9.27	
		4945	4.4	800	98	8.19	
		5140	5	900	111	8.11	
		5390	5.9	1000	131	7.63	
		5835	7.8	1200	173	6.93	
		6320	10.1	1430	224	6.38	
	25	1880	0.2	100	5	20.00	5min 57°C
		2640	0.5	200	13	16.00	
		3180	0.9	300	23	13.33	
		3590	1.4	400	35	11.43	
		3970	1.9	500	48	10.53	
		4365	2.4	600	60	10.00	
		4625	3	700	75	9.33	
		4950	3.7	800	93	8.65	
		5147	4.3	900	108	8.37	
		5398	5.2	1000	130	7.69	
5846		6.7	1200	168	7.16		
6250		8.9	1400	223	6.29		
6650		11	1600	275	5.82		
6850		12.3	1760	308	5.72		

14x4.7	22.2	1432	0.2	100	4	22.52	5min 63°C
		2050	0.5	200	11	18.02	
		2537	0.9	300	20	15.02	
		2890	1.3	400	29	13.86	
		3180	1.8	500	40	12.51	
		3468	2.3	600	51	11.75	
		3690	3	700	67	10.51	
		3916	3.6	800	80	10.01	
		4100	4.3	900	95	9.43	
		4332	5.2	1000	115	8.66	
		4726	7	1200	155	7.72	
		5090	9.1	1400	202	6.93	
		5400	11.3	1600	251	6.38	
		5700	13.4	1830	297	6.15	
		25	1420	0.2	100	5	
	2040		0.4	200	10	20.00	
	2545		0.8	300	20	15.00	
	2870		1.2	400	30	13.33	
	3170		1.6	500	40	12.50	
	3450		2.1	600	53	11.43	
	3680		2.7	700	68	10.37	
	3930		3.3	800	83	9.70	
	4115		4	900	100	9.00	
	4325		4.7	1000	118	8.51	
	4728		6.3	1200	158	7.62	
	5085		8	1400	200	7.00	
	5420		10.2	1600	255	6.27	
	5687	12.6	1800	315	5.71		
5900	15	2000	375	5.33			
6120	15.9	2130	398	5.36			

15x5.5	22.2	1470	0.2	100	4	22.52	60°C
		2015	0.5	200	11	18.02	
		2455	0.8	300	18	16.89	
		2810	1.2	400	27	15.02	
		3150	1.7	500	38	13.25	
		3455	2.2	600	49	12.29	
		3690	2.8	700	62	11.26	
		3980	3.5	800	78	10.30	
		4230	4.2	900	93	9.65	
		4420	4.9	1000	109	9.19	
		4800	6.4	1200	142	8.45	
		5227	8.4	1400	186	7.51	
		5580	10.4	1600	231	6.93	
		5900	12.4	1830	275	6.65	
		25	1460	0.2	100	5	
	2000		0.4	200	10	20.00	
	2465		0.8	300	20	15.00	
	2820		1.1	400	28	14.55	
	3170		1.6	500	40	12.50	
	3460		2	600	50	12.00	
	3680		2.5	700	63	11.20	
	3970		3.1	800	78	10.32	
	4220		3.8	900	95	9.47	
	4440		4.4	1000	110	9.09	
	4830	5.9	1200	148	8.14		
5210	7.4	1400	185	7.57			
5570	9.4	1600	235	6.81			
5899	11.4	1800	285	6.32			
6230	13.7	2000	343	5.84			
6400	14.8	2150	370	5.81			

