

Motor: MS2814-11 KV:710

Technical Datas

KV	710
Configu-ration	12N14P
Stator Diameter	28mm
STator Length	14mm
Shaft Diameter	4mm
Motor Dimension(Dia.*Len)	Φ35×36mm
Weight(g)	125G
Idle current(10)@10v(A)	0.9A
No.of Cells(Lipo)	3-4S
Max Continuous current(A)180S	18A
Max Continuous Power(W)180S	300W
Max. efficiency current	6-15A>78%
internal resistance	78mΩ

Motor: MS2814-10 KV:770

Technical Datas

KV	770
Configu-ration	12N14P
Stator Diameter	28mm
STator Length	14mm
Shaft Diameter	4mm
Motor Dimension(Dia.*Len)	Φ35×36mm
Weight(g)	125G
Idle current(10)@10v(A)	1.0
No.of Cells(Lipo)	3-4S
Max Continuous current(A)180S	30A
Max Continuous Power(W)180S	430W
Max. efficiency current	6-16A>76%
internal resistance	100mΩ

Volts (V)	Prop	Throttle	Amps (A)	Watts (W)	Thrust (G)	Thrust (OZ)	RPM	Efficiency (G/W)	Efficiency (OZ/W)
11.1	APC10*3.8	50%	4.1	45.51	350	12.35	4337	7.69	0.27
		65%	5.6	62.16	500	17.64	5190	8.04	0.28
		75%	8.6	95.46	690	24.34	6120	7.23	0.25
		85%	11	122.1	820	28.92	6700	6.72	0.24
		100%	12.5	138.75	920	32.45	6970	6.63	0.23
	APC11*3.8	50%	3.6	39.96	340	11.99	4037	8.51	0.30
		65%	4.9	54.39	430	15.17	4825	7.91	0.28
		75%	6.2	68.82	550	19.40	5520	7.99	0.28
		85%	8.8	97.68	710	25.04	5830	7.27	0.26
		100%	13.2	146.52	940	33.16	6265	6.42	0.23
	APC12*3.8	50%	5.2	57.72	470	16.58	4250	8.14	0.29
		65%	9.4	104.34	750	26.46	5091	7.19	0.25
		75%	13.5	149.85	960	33.86	6050	6.41	0.23
		85%	16.6	184.26	1140	40.21	6560	6.19	0.22
		100%	19	210.9	1200	42.33	7215	5.69	0.20
	APC13*4	50%	3.9	43.29	380	13.40	3610	8.78	0.31
		65%	5.6	62.16	570	20.11	4100	9.17	0.32
		75%	10.2	113.22	860	30.34	4705	7.60	0.27
		85%	12.6	139.86	1000	35.27	5000	7.15	0.25
		100%	14.1	156.51	1100	38.80	5314	7.03	0.25
14.8	APC10*3.8	50%	4.7	69.56	550	19.40	5375	7.91	0.28
		65%	7.7	113.96	770	27.16	6300	6.76	0.24
		75%	14.9	220.52	1210	42.68	7130	5.49	0.19
		85%	17.8	263.44	1370	48.32	7800	5.20	0.18
		100%	20	296	1420	50.09	8520	4.80	0.17
	APC11*3.8	50%	5.5	81.4	580	20.46	5065	7.13	0.25
		65%	7.7	113.96	750	26.46	5800	6.58	0.23
		75%	10.4	153.92	940	33.16	6490	6.11	0.22
		85%	14.5	214.6	1180	41.62	7070	5.50	0.19
		100%	20.7	306.36	1480	52.20	7360	4.83	0.17
	APC12*3.8	50%	8.2	121.36	810	28.57	5530	6.67	0.24
		65%	11.8	174.64	1060	37.39	6610	6.07	0.21
		75%	17.4	257.52	1380	48.68	7560	5.36	0.19
		85%	23.6	349.28	1620	57.14	8240	4.64	0.16
		100%	29.2	432.16	1870	65.96	8930	4.33	0.15
	APC13*4	50%	6.3	93.24	680	23.99	4380	7.29	0.26
		65%	9.7	143.56	980	34.57	4850	6.83	0.24
		75%	14.5	214.6	1330	46.91	5610	6.20	0.22
		85%	18.5	273.8	1610	56.79	5611	5.88	0.21
		100%	21.3	315.24	1780	62.79	6360	5.65	0.20

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