

SUPRA Brushless Motors - Prop Chart

Available from: www.witblitzracing.co.za

SUPRA 2216-1250Kv	APC 8x6E	APC 9x4.5E	APC 9x6E	APC 10x5E	APC 10x7E	APC 11x5.5E
	3S	3S	3S	3S	3S	3S
Pitch Speed (km/h)	105	75	96	80	102	82
Thrust (g)	870	1100	1140	1500	1275	1620
Amps	21.5	22.5	25	31	32	38
RPM	11 500	11 000	10 500	10 600	9 600	9 700
Power in (W)	240	230	275	340	350	420
Power out (W)	190	170	200	250	235	285
Copper loss (W)	23.1	25.3	31.3	48.1	51.2	72.2
Temp./30 sec. (°C)	44	43	48	57	60	73
Motor Constants:	Rm= 0.0500		lo= 1.2		Kv= 1250	

SUPRA 2216-1500Kv	APC 8x4E		APC 8x6E	APC 9x4.5E	APC 9x6E	APC 10x5E
	3S	4S	3S	3S	3S	3S
Pitch Speed (km/h)	84	103	117	87	110	88
Thrust (g)	1100	1710	1080	1450	1500	1790
Amps	22	33	31	32	38	42
RPM	13 700	16 200	12 800	12 700	12 100	11 600
Power in (W)	240	450	340	350	420	470
Power out (W)	190	315	260	265	300	325
Copper loss (W)	19.1	42.9	37.9	40.3	56.9	69.5
Temp./30 sec. (°C)	43	68	53	55	65	74
Motor Constants:	Rm= 0.0394		lo= 1.5		Kv= 1500	

SUPRA 2216-1900Kv	6.5 x 6.5 Speed Prop			6 x 6 CAM Speed Prop		5.5 x 5.5 CAM
	3S	4S	5S	4S	5S	5S
Pitch Speed (km/h)	165	210	250	201	242	232
Thrust (g)	680	1100	1570	960	1 390	1 220
Amps	24	39	56	31	45	37
RPM	16 500	21 100	25 200	22 000	26 400	27 700
Power in (W)	280	580	1 028	460	825	675
Power out (W)	200	420	715	350	610	510
Copper loss (W)	17.5	46.1	93.7	29.1	61.4	41.5
Temp./30 sec. (°C)	46	69	96	58	85	72
Motor Constants:	Rm= 0.0303		I _o = 1.8		Kv= 1900	

SUPRA 2216-2200Kv	6.5 x 6.5	5.5 x 5.5 CAM Speed Prop		6 x 6 CAM Speed Prop		
	3S	4S	5S	4S	5S	
Pitch Speed (km/h)	185	220	260	228	270	
Thrust (g)	860	1 100	1 580	1 240	1 760	
Amps	36	39	57	48	67	
RPM	18 600	26 200	30 500	25 000	29 700	
Power in (W)	400	577	1 050	700	1 240	
Power out (W)	286	430	756	510	867	
Copper loss (W)	24.2	28.6	61.1	43.3	84.4	
Temp./30 sec. (°C)	49	61	91	71	110	
Motor Constants:	Rm= 0.0188		I _o = 2.0		Kv= 2200	

SUPRA 2216-2900Kv	4.75 x 4.75 APC Carbon				
	4S	5S			
Pitch Speed (km/h)	249	298			
Thrust (g)	965	1 385			
Amps	35	50			
RPM	34 300	41 100			
Power in (W)	515	915			
Power out (W)	385	660			
Copper loss (W)	23.5	48.0			
Temp./30 sec. (°C)	61	95			
Motor Constants:	Rm= 0.0192		I _o = 2.8		Kv= 2900