

4108 390KV Outrunner Brushless Motor



- HL disk type motors specially designed for multi-rotor aircrafts.
- Utilizing 0.2mm Silicon steel sheets.
- Well balanced at factory, ensures maximum efficiency and low noise.
- Higher g/w ratio, very good choice for multi-rotor application.
- Motor mount is integrated with motor, it ensures better centralization and less vibration.



Specifications:

LA4108 24N22P多旋翼无刷电机

型号(Motor Type)	LA4108 KV310	LA4108 KV390	LA4108 KV490	LA4108 KV570	LA4108 KV690
铁芯尺寸Iron Core Size (mm)	4108				
电机尺寸Motor Size (mm)	∅47.5*25				
重量Weight	98g				
空载电流Idle Current(10V)	0.3A	0.4A	0.5A	0.7A	0.9A
支持锂电Support Lithium Battery	6-8S LiPo	4-6S LiPo	4-6S LiPo	3-4S LiPo	3-4S LiPo
最大电流Max Continuous Current(A)	14	15	17	26	27
最大功率Max Continuous Power (W)	330	350	360	380	400
内阻Internal Resistance	0.29Ω	0.17Ω	0.104Ω	0.092Ω	0.052Ω

测试参数与配置 Test Parameters and Assembly									
电机型号Motor Type	锂电池Lithium Battery	螺旋桨Propeller			适合起飞重量Appropriate Take-off Weight				
		4轴 (axle)	6轴 (axle)	8轴 (axle)					
LA4108 KV310	6S	DJI I555			2.8-3.4KG	4.1-5.1KG	5.5-6.8KG		
电流Current (A)	2	4			6	8	10.8 (MAX)		
拉力Pulling Force(g)	520	815			1080	1300	1600		
功率Power(W)	44.4	88.8			133.2	177.6	239.8		
力效Efficiency(g/W)	11.712	9.178			8.108	7.320	6.672		
LA4108 KV390	6S	1147			2.2-2.7KG	3.3-4KG	4.4-5.4KG		
电流Current (A)	2	4			6	8	10 (MAX)		
拉力Pulling Force(g)	377	650			894	1083	1271		
功率Power(W)	44.4	88.8			133.2	177.6	222		
力效Efficiency(g/W)	8.491	7.320			6.712	6.098	5.725		
LA4108 KV390	6S	1238			2.5-3.0KG	3.7-4.6KG	5-6.1KG		
电流Current (A)	2	4			6	8	11 (MAX)		
拉力Pulling Force(g)	380	666			943	1132	1445		
功率Power(W)	44.4	88.8			133.2	177.6	244.2		
力效Efficiency(g/W)	8.559	7.500			7.080	6.374	5.917		
LA4108 KV390	6S	1340			2.8-3.4KG	4.1-5.1KG	5.5-6.8KG		
电流Current (A)	2	4	6	8	10	12 (MAX)			
拉力Pulling Force(g)	433	728	978	1193	1394	1599			
功率Power(W)	44.4	88.8	133.2	177.6	222	266.4			
力效Efficiency(g/W)	9.732	8.198	7.342	6.717	6.279	6.002			
LA4108 KV390	6S	1447			3.5-4.2KG	5.2-6.4KG	7.0-8.5KG		
电流Current (A)	3	6	9	12	15	17 (MAX)			
拉力Pulling Force(g)	615	1015	1353	1619	1859	2020			
功率Power(W)	66.6	133.2	199.8	266.4	333	377.4			
力效Efficiency(g/W)	9.234	7.620	6.772	6.077	5.583	5.352			
LA4108 KV490	4S	1447			2.8-3.4KG	4.1-5.1KG	5.5-6.8KG		
电流Current (A)	3	6	9	12	15	17.5 (MAX)			
拉力Pulling Force(g)	453	758	996	1221	1420	1599			
功率Power(W)	44.4	88.8	133.2	177.6	222	259			
力效Efficiency(g/W)	10.203	8.536	7.477	6.875	6.396	6.174			
LA4108 KV570	4S	1238			2.2-2.7KG	3.3-4KG	4.4-5.4KG		
电流Current (A)	2	4	6	8	10	12	14	15.5 (MAX)	
拉力Pulling Force(g)	291	492	856	803	959	1064	1185	1265	
功率Power(W)	29.6	59.2	88.8	118.4	148	177.6	207.2	229.4	
力效Efficiency(g/W)	9.831	8.311	9.640	6.782	6.480	5.991	5.719	5.514	
LA4108 KV570	4S	1340			2.8-3.3KG	4.1-5KG	5.5-6.7KG		
电流Current (A)	3	6	9	12	15	17 (MAX)			
拉力Pulling Force(g)	408	730	949	1182	1359	1517			
功率Power(W)	44.4	88.8	133.2	177.6	222	251.6			
力效Efficiency(g/W)	9.189	8.221	7.125	6.655	6.122	6.029			
LA4108 KV570	4S	1447			3.3-4.0KG	4.9-6.0KG	6.5-8.0KG		
电流Current (A)	3	6	9	12	15	18	21	24 (MAX)	
拉力Pulling Force(g)	447	738	966	1185	1367	1529	1681	1892	
功率Power(W)	44.4	88.8	133.2	177.6	222	266.4	310.8	355.2	
力效Efficiency(g/W)	10.068	8.311	7.252	6.672	6.158	5.739	5.409	5.327	
LA4108 KV690	4S	1238			2.9-3.5KG	4.2-5.2KG	5.6-6.9KG		
电流Current (A)	5	10	15	20		25 (MAX)			
拉力Pulling Force(g)	553	943	1218	1455		1680			
功率Power(W)	74	148	222	296		370			
力效Efficiency(g/W)	7.473	6.372	5.486	4.916		4.541			