



Pilotix 4218-350KV is a brushless FPV motor featuring a 12N14P configuration with 52SH Arc magnets and a 42mm x 18mm stator. The motor operates within a voltage range of 36V to 50.4V, delivering a maximum power output of 3530W at up to 73A maximum current. Internal resistance measures 43mΩ with a no-load current of 1.7A. Physical dimensions are 50.4mm diameter by 63.3mm height, with a 5mm diameter shaft extending 22mm in length. The unit weighs 320g and includes 16AWG silicone wiring with 500mm cable length.

Product details	
Model	4218-350KV
SKU	5986
Electrical specification	
Motor KV	350 KV
Rated voltage	50.4 V
Operating voltage range	36 - 50.4 V
Maximum current	73 A
Maximum power	3530 W
No-load current	1.7 A
Internal resistance	43 mΩ
Mechanical specifications	
Configuration	12N14P
Stator / Magnets	52SH Arc
Stator size	42 x 18 mm
Shaft size	5 x 22 mm
Motor dimensions	50.4 x 63.3 mm
Silicone cable	16 AWG
Silicone cable length	500 mm

Weight	320 g
Common	
Warranty	2 years

Motor performance data

Model	Propeller	Voltage (V)	Throttle (%)	Current (A)	Thrust (g)	Efficiency (g/w)	Input (W)	Speed (RPM)	Temperature (°C)
4218 350KV	GF 1310-3	48.00	20	0.88	176	4.17	42.24	3098	127
		48.00	30	2.53	646	5.32	121.44	4294	
		48.00	40	5.29	1344	5.29	253.92	5541	
		48.00	50	10.10	2126	4.39	484.80	6882	
		48.00	60	17.11	3181	3.87	821.28	8100	
		48.00	70	25.98	4407	3.53	1247.04	9139	
		48.00	80	36.61	5691	3.24	1757.28	10047	
		48.00	90	50.59	6540	2.69	2428.32	11045	
		48.00	100	73.54	8297	2.35	3529.92	12066	