

ADVANCE Series

ADVANCE 1-30-B20 P14

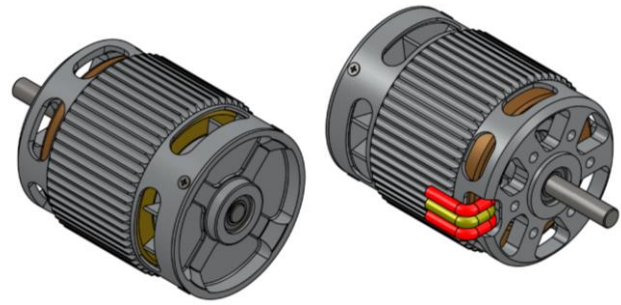
Inrunner BLDC motor with open housing

Overview

The ADVANCE 1 is from our family of weight optimized inrunner BLDC motors and has been specifically designed for the most demanding applications, including uncrewed systems and aerospace.

Features

- Ultra-light housing for weight sensitive applications
- Integrated passive fan for optimized cooling
- Designed for use with sensorless ESCs
- High torque density



Specifications

Peak output power	2	kW
Peak torque ¹	2.4	Nm
Max. speed	15,000	rpm
Voltage range	15-50	V
Speed constant (kV)	309	rpm/V
Diameter	55	mm
Length	64	mm
Weight	420	g
Phase cable length	100	mm
Protection class	IP20	
Mounting	Front	
Cooling	Air cooled	
Ambient Temperature range	-20 to +60	°C
Number of poles	14	
Number of windings	20	
Peak thrust	10 kg with 18x6" prop	

Complementary Products

- Sensorless third party ESCs (e.g. Hargrave/APD)

