

ORBIT Series

ORBIT 15-30-B8 P20

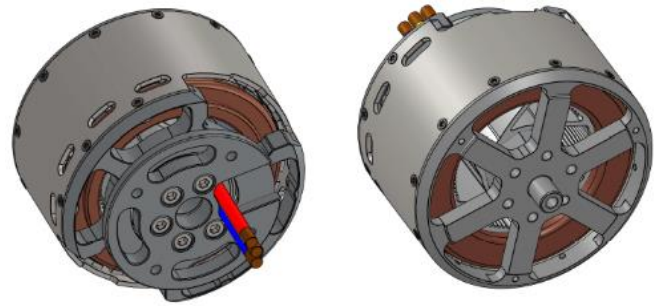
Outrunner BLDC motor

Overview

The ORBIT 15 is from our family of weight optimized outrunner 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
- Increased robustness through three bearing design, adding additional support to housing
- Useful for applications with high torque requirements
- Designed for use with sensorless ESCs



Specifications

Peak output power	9	kW
Peak torque ¹	17	Nm
Max. speed	7,000	rpm
Voltage range	15-50	V
Speed constant (kV)	139	rpm/V
Diameter	103	mm
Length	74.5	mm
Weight	1,550	g
Phase cable length	100	mm
Cooling	Air cooled	
Ambient Temperature range	-20 to +60	°C
Number of poles	20	
Number of windings	8	
Peak thrust	40 kg with 32x10.6" prop	

Complementary Products

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

