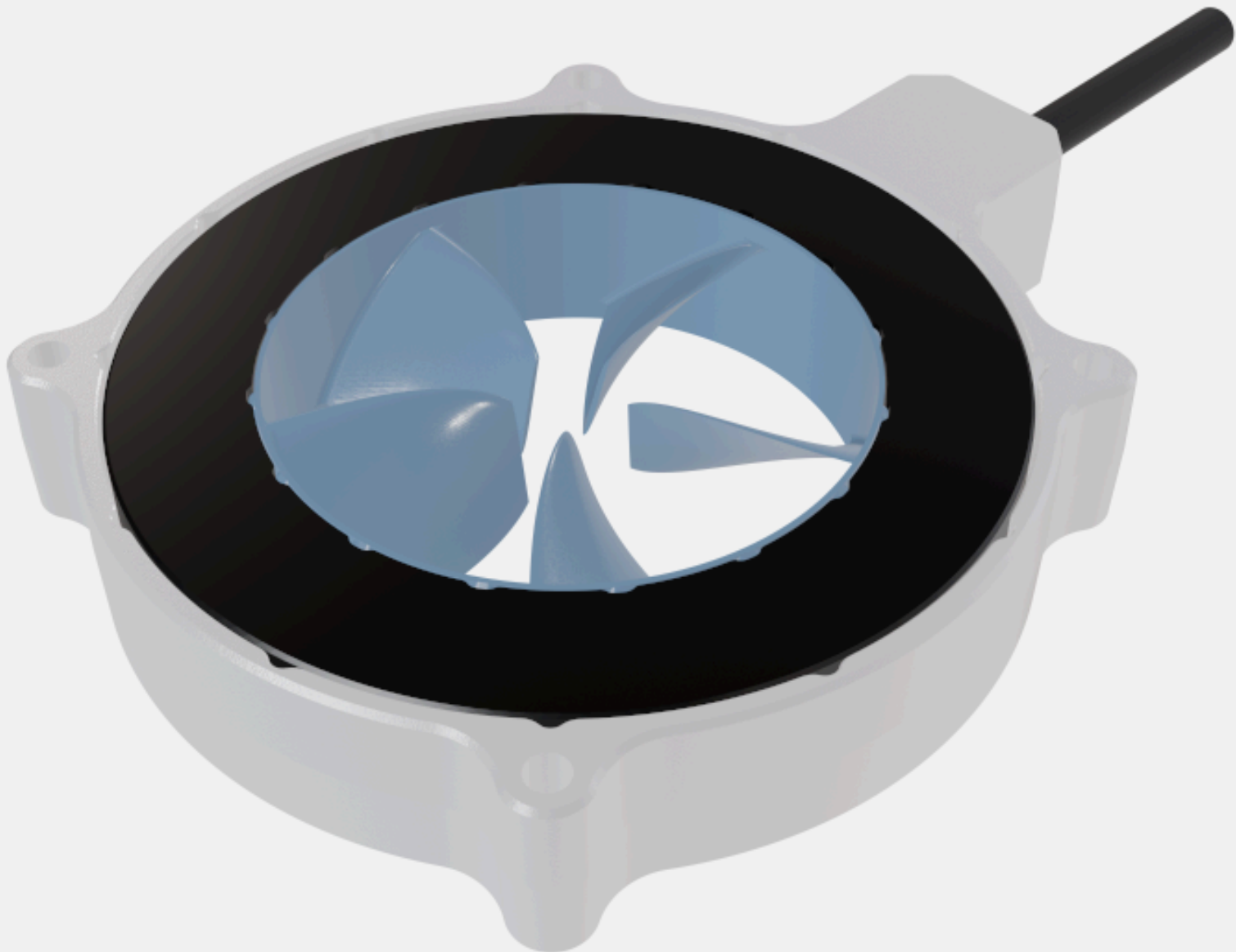


DISKDRIVE™ 80

The **DISKDRIVE™ 80** thruster is an ultra-slim, rim-driven, direct-drive propulsion unit designed for robust and efficient underwater performance. Its hubless propeller design makes the thruster robust against debris like strings or marine vegetation, which minimizes the risk of the propeller stalling and ensures smooth operation in challenging environments. Operating without dynamic seals, means it's completely oil-free and pressure-proof.

The propeller is easily replaceable without tools, with a clockwise propeller included, an optional anti-clockwise versions available upon request. It comes with a CW propeller installed and a spare CCW propeller in the box.

The **DISKDRIVE™ 80** thruster should be used with ducts to optimize the water flow, thus increasing efficiency. With it's compact and low-profile it is ideal for stabilization in small ROVs/AUVs, deep-sea actuators, and applications requiring low drag.



OPERATIONAL SPECIFICATIONS

Supply Voltage	12 - 24 V
Maximum Current	30 A
Thrust at 24V	7.0 kgf
Thrust at 12V	3.0 kgf
Interface	3-phase brushless sensorless control
Control	Compatible with most ESCs
Depth Rating	300 m (984 ft)

PHYSICAL SPECIFICATIONS

Outer Dimensions (LxWxH)	126 x 155 x 25 mm (4.98 x 6.10 x 0.98 in)
Propeller Diameter	80 mm (3.15 in)
Weight in Air (No Cable)	750 g (26.45 oz)
Cable Dimensions	Ø 6.3 mm x 1.0 m
Mounting Holes	4 x Ø 5.5 mm

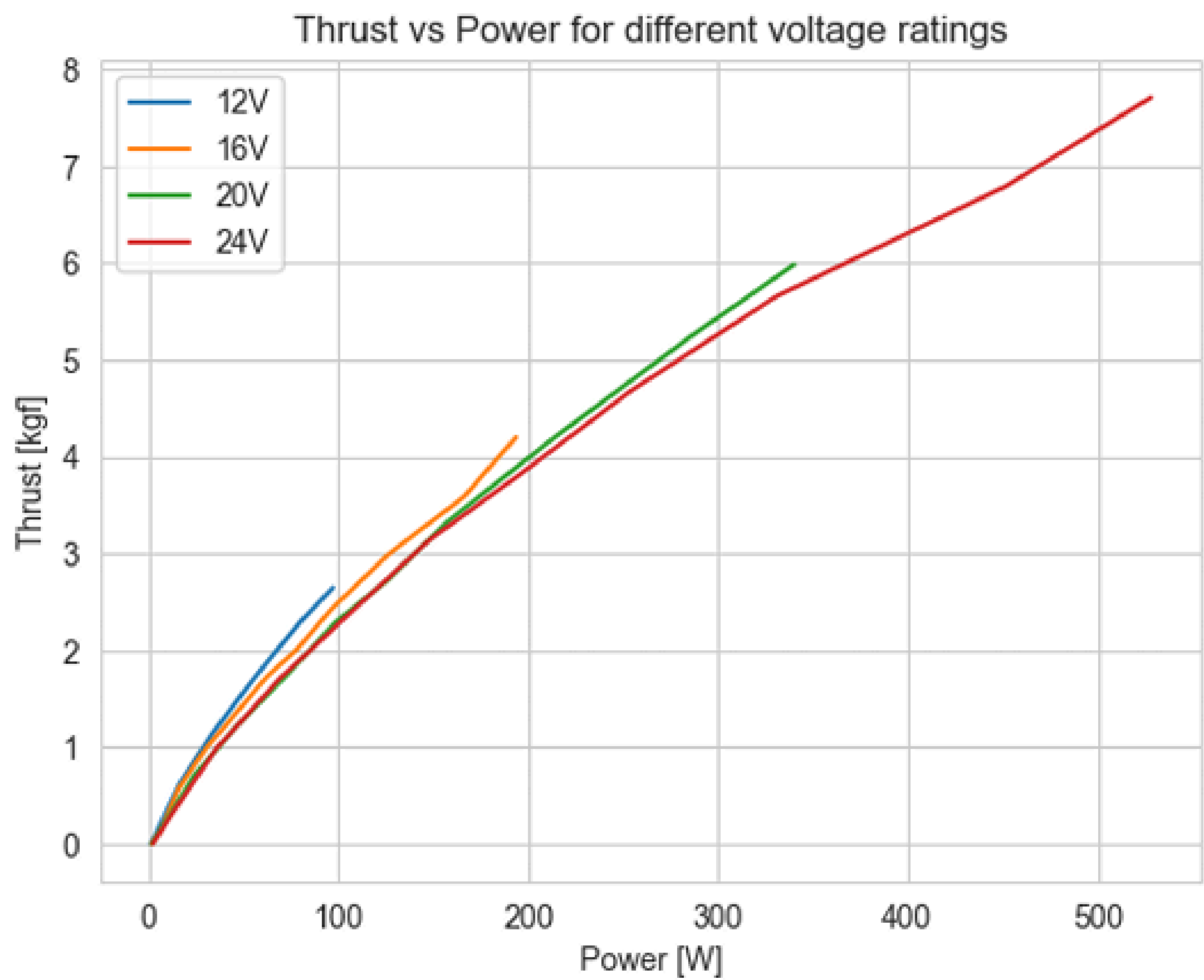
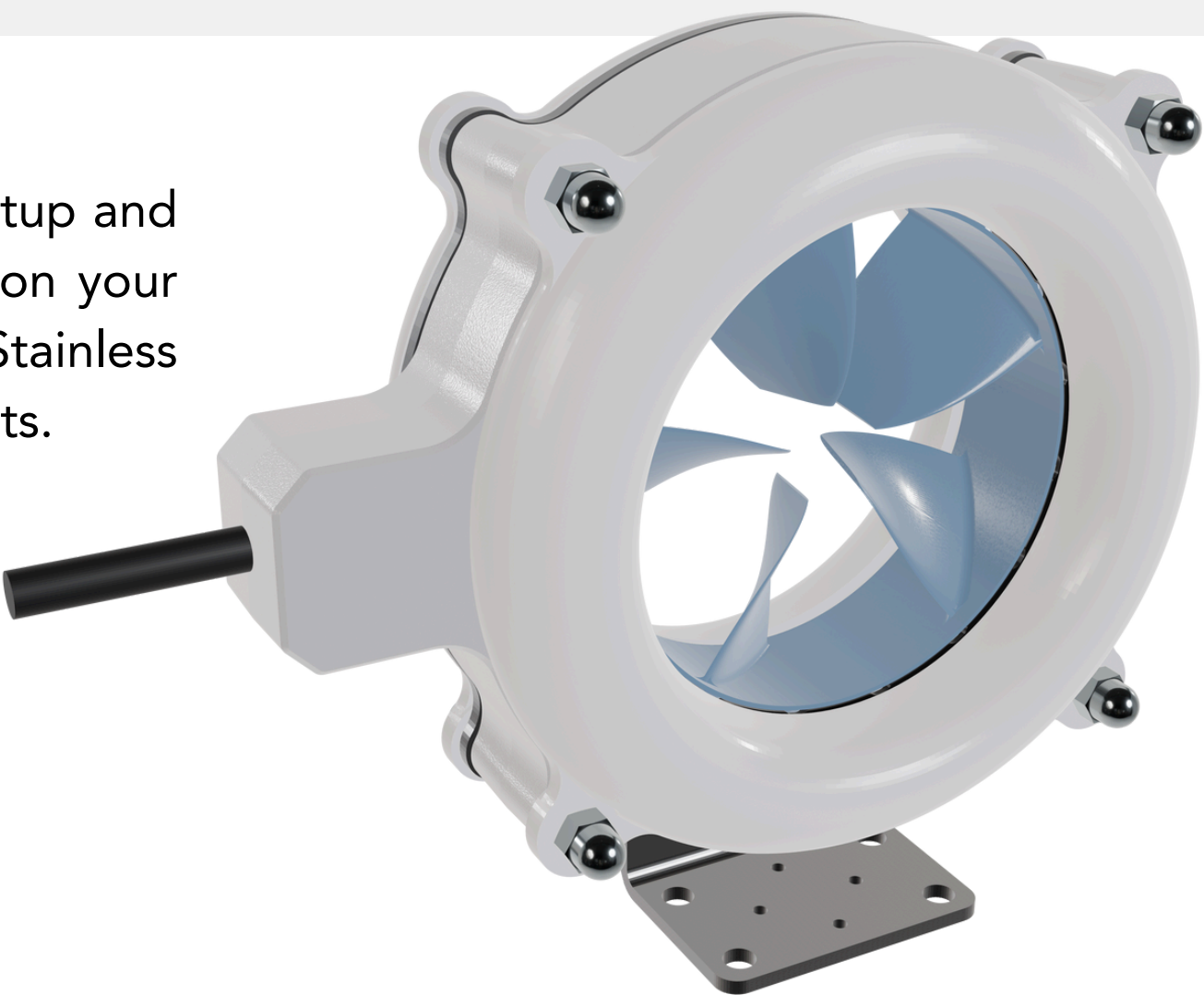


DISKDRIVE™ 80

PERFORMANCE SPECIFICATIONS

ALL MEASUREMENTS WERE TAKEN USING HYDROMEAS DISKDRIVE 50 HYDRO DUCTS

The **DISKDRIVE™ 80** Thrust Kit allows for easy setup and optimal efficiency for motor test and installation on your ROV. The kit includes a mounting bracket in Stainless Steel, two water flow ducts and four connector bolts.



DISKDRIVE™ 80

PERFORMANCE SPECIFICATIONS

ALL MEASUREMENTS WERE TAKEN USING HYDROMEAS DISKDRIVE 50 HYDRO DUCTS

