

DiskDrive 50

Compact hub-less thruster



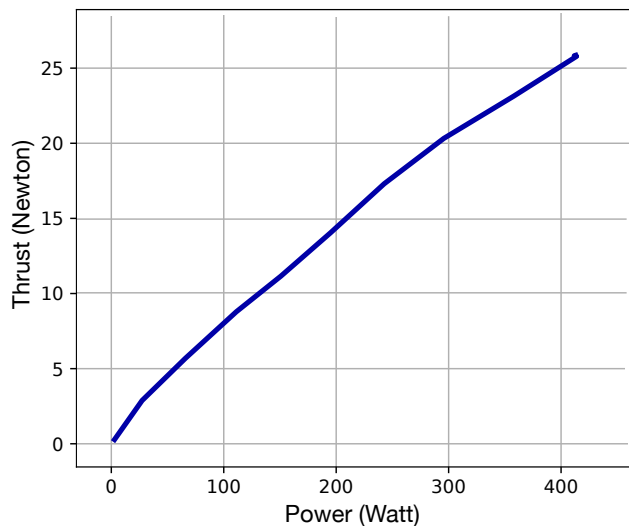
The Hydromea Disk-Drive Thrusters are patented, very compact, direct-drive propulsion units. The hub-less propeller design makes them robust to debris and eliminates the risk of stall due to strings and water plants wrapping around a shaft. The rotor is hydro-lubricated without any dynamic seals, making the design completely oil-free and pressure-proof.

Features

- Ultra-compact
- Thin, low-profile design
- Hub-less propeller
- Direct-drive, no gears or dynamic seals
- Pressure-proof

Applications

- Ideal as stabilisation thrusters for small ROVs/AUVs and ASVs
- Low profile enables low drag for vertically mounted thrusters
- Deep-sea actuators
- Leisure water vehicles



Specifications*

Outer Dimensions	82 x 95 x 16 mm
Propeller diameter	50 mm
Max. Thrust	25 N
Weight in air	135 g
Supply voltage	12-16 V
Max. current	25 A
Interface	3-phase brushless
Control	Works with most sensorless motor controllers
Depth rating	300 m (standard) 6000 m (on request)

* Preliminary specifications - may change without notice