

## 150mm Thruster

### Benefits

- Reliable
  - Sensorless control
  - Single rotating part
  - Single cable
  - Centre bearing
- Highly integrated
- Very compact
- No inherent depth limitation
- Quiet, efficient electric drive

### Performance

- 105N @ 300W continuous
- 60VDC supply
- Bi-directional - same high thrust in both directions



This IntegratedThruster™ features a propeller design, optimised by state-of-the-art computational fluid dynamics to achieve equal bi-directional high thrust with low power usage.

Quiet, electric rim drive is integrated into the duct of the thruster, making a compact single-rotating part low-maintenance design with no gearbox, coupling or space-consuming in-line motor.

Sensorless control means no need for hall effect or other shaft position sensors and only a single power cable, with a great improvement in reliability.

Our technology is designed with no inherent depth limitation, whether you want to propel a surface vehicle or visit the deepest depths of the ocean.

Our sensorless controllers are an ideal match.

**Ordering Information** PA-THR-0034

**Dimensions** 208mm external diameter x 200mm length.  
7.7kg in air, 5.0kg in water.  
150mm propeller diameter.

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