

# Model 250

## DC BRUSHLESS THRUSTERS

¼hp thruster with 5kg forward thrust ideally suited for small ROV's & other subsea applications.

DC brushless rare earth motor for maximum reliability, high efficiency & high power.

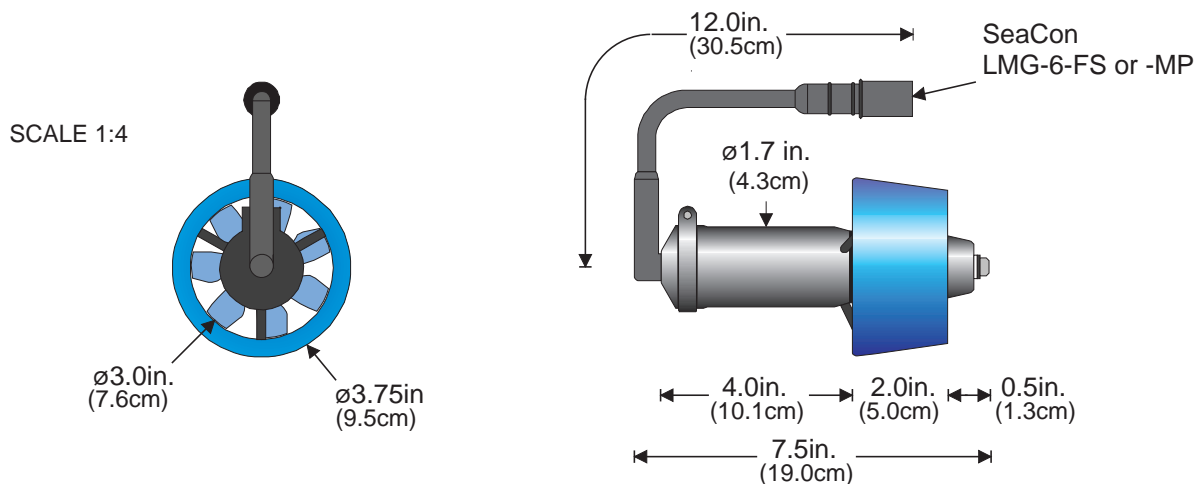
Power & control electronics housed within motor case for reliability & simplified installation.

Nylon propeller & Nylon Kort nozzle for high Bollard thrust & open water efficiency.

Magnetic propeller coupling for 750 meter depth rating without shaft seals. 1,500 meter and full ocean depth (with oil filled housings) ratings also available.

High RPM, low inertia motors coupled to planetary gear reduction units yield lightweight & compact designs at a very affordable price.

Custom configurations include alternate voltages, subsea connectors, power ratings, mountings & depth ratings as well as open (unducted) propellers, etc.



### Bollard Output

12 lbf (5.4 kg) forward  
6 lbf (3.6 kg) reverse

*Note: Due to motor tolerances,  
voltage required to achieve rated  
Bollard thrust can vary +/-5%*

### Input

150 VDC, 1.9 A power  
Power ground  
+12 V electronics power  
±5 V speed command signal  
Signal ground  
Other voltages optional

### Weight

2.0 lb (0.9 kg) in air  
1.5 lb (0.7 kg) in water

### Depth

2,500 ft (750 m) standard  
5,000 ft (1,500 m) & full  
ocean depth (oil-filled)  
optional

*Specifications subject to change without notice*