

The Subsea Thruster & Propulsion Specialists

Key Features

- Anodized aluminum construction
- Ceramic Seal Liner
- Pressure Compensation
- Efficient dual direction Propeller
- Kort Type Nozzle for increased Thrust
- Option control configurations



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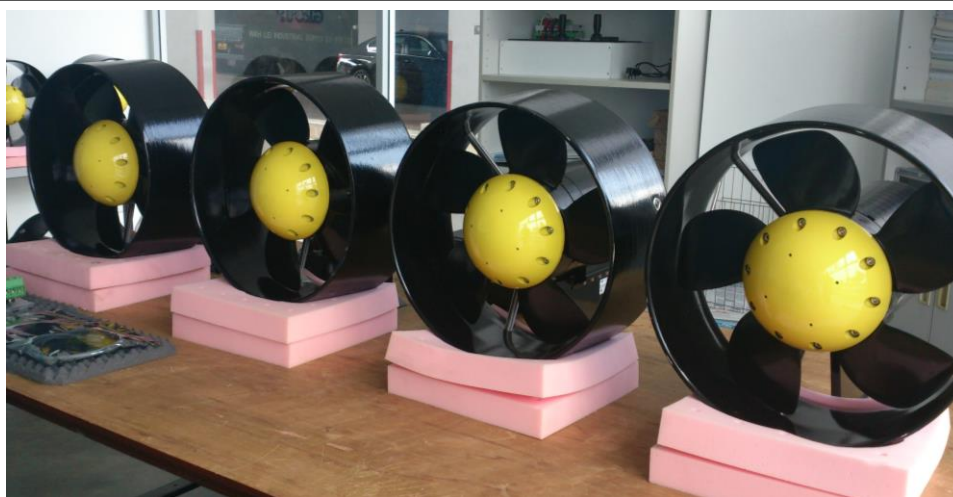
Model SSE3500-101

The SSE3500-101 DC Brushless Permanent Magnet Subsea Thruster of MPS design offers a Reliable, Powerful thruster unit designed for full ocean depth with positive pressure compensation manufactured from anodized aluminum.

Standard Aluminum (hard anodised) construction with optional 316 Stainless Steel and Titanium housings and Fitted with various subsea type connectors as requested by the customer. Units utilize the MPS Motor Controller offering +/- 10V, RS485 +/- 10V and CAN open control options.

The SSE3500 Series can accept 420 to 600 Vdc main power (other on request).

Using direct e-motor drives with no planetary gear reductions results in **"Silent"** and **"Reliable"** operation with lightweight & compact designs at competitive pricing.



Model SSE3500-101 Rated @ 33.5 Hp (25.0 Kw)	
• Voltage DC Options	420 – 600 Vdc
• Running Motor Current	73.5 amps @ 320 Vdc
• Torque at 1000 Rpm	238.72 Nm
Thrust Developed	At zero speed of advance
• Forward	1,420.0 lb-f (645.5 Kgf)
• Reverse	1,094.0 lb-f (497.0 Kgf)
• Propeller Tip Speed	6390 ft/min (32 m/sec)
Unit Weight	
• In Air	136.4 lbs (62.0 Kgs)
• In Water (Sea)	102.3 lbs (46.5 Kgs)
Depth Rating (750M Standard)	Full Ocean Depth with units oil filled and pressure compensated. Motor Controller to be mounted in one Atmosphere Housing.
Dimensions	Body (OD) - 8.85 in. (225.0 mm) Length - 34.45 in. (875.0 mm) Prop Dia - 24.40 in. (620.0 mm) Nozzle (OD) – 29.76 in. (756.0 mm)
Control Signal	+/- 10Vdc or Master Controller with built-in CANopen library for full control and serial interfaces.
Connector Type	Subconn Type – 8 Pin (FS or MP)
Nozzle Type	Type 19B Kort Design (Type 37 optional)
Features: Speed / direction signal and DC line voltage only required	SCE A – Main Power, 12Vdc control power, +/- 10V speed signal (Standard) SCE B – Main Power, RS485, +/- 10Vdc SCE C – Main Power, RS485, CANopen