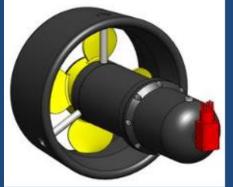
The Subsea Thruster & Propulsion Specialists

Key Features

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





Marine Propulsion Solutions Subsea Group

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The SSE035-101 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 offereing +/- 10V, RS485 +/- 10V and CAN open control options.

The SSE035 Series can accept 48 to 120 Vdc main power (other on request).

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



Model SSE035-101 Rated @ .38 Hp (281 Watts)	
Voltage DC Options	48 – 120 Vdc
Running Motor Current	6.9 amps @ 48 Vdc
Torque at 3600 Rpm	.75 Nm
Thrust Developed	At zero speed of advance
Forward	16.0 lb-f (7.3 Kgf)
Reverse	12.8 lb-f (5.9 Kgf)
Propeller Tip Speed	4824 ft/min (25 m/sec)
Unit Weight	
In Air	7.5 lbs (3.4 Kgs)
 In Water (Sea) 	5.5 lbs (2.5 Kgs)
Depth Rating	Full Ocean Depth with units oil filled and
(600M Standard)	pressure compensated. Motor Controller
	to be mounted in one Atmosphere
	Housing.
Dimensions	Body (OD) - 2.56 in. (65.0 mm)
	Length - 8.46 in. (215.0 mm)
	Prop Dia - 5.12 in. (130.0 mm)
	Nozzle (OD) – 6.30 in. (160.0 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 Features: Speed / direction signal and DC	Type 19B Kort Design (Type 37 optional) SCE A – Main Power, 12Vdc control
line voltage only required	power, +/- 10V speed signal (Standard)
	SCE B – Main Power, RS485, +/- 10Vdc
	SCE C – Main Power, RS485, CANopen
	30L O - Main + 0Wer, N3403, CANOpen