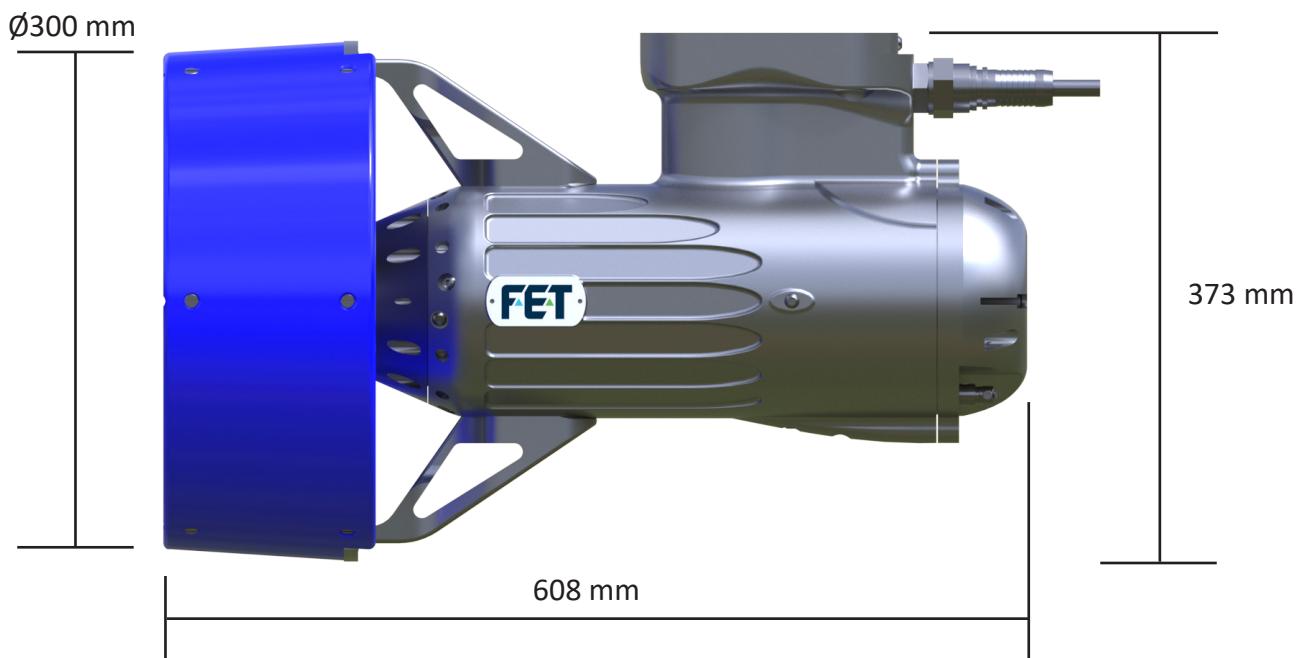
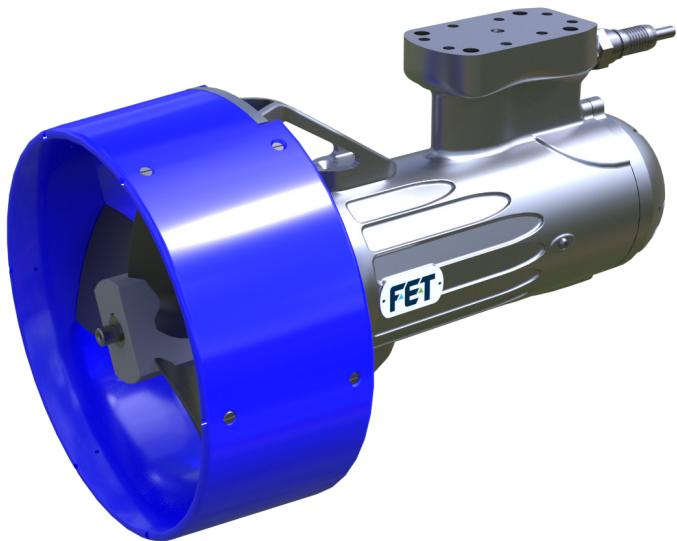


F300e Thrusters

Technical Summary

• Power (Max)	30 kW
• Supply Voltage	600 Vdc
• Depth Rating	4000 msw
• Propellor Diameter	Ø300 mm
• Max Bollard Pull (Thrust)	360kg @ 1750 rpm
• Weight in air (Estimated)	46 kg
• Weight in water (Estimated)	28 kg
• Oil Compatibility	Mineral and EAL



Statorshield™ Technology equates to reliability

FET's Direct Drive Brushless DC Thruster incorporates the unique Statorshield™ Technology, which allows the thruster to continue running in the event of a shaft seal failure and subsequent flooding, without damage to the windings. The rotor and stator areas are oil filled and individually compensated.

F300e Thrusters

Innovative Shaft Sealing

The thruster also incorporates our proven ceramic wear ring technology used on all our current electric thrusters. The ceramic ring provides a durable hard surface that prevents wear to the shaft and the resultant seal and consequential flooding

Advanced F-E-T Inverter (eThruster Controller JB) - System Features

- Unique Stator Shield Technology
- Continued Operation in the Event of Shaft Seal Failure
- Direct Drive Reliability (No Gearbox)
- Innovative Shaft Sealing
- Integral or External compensation available
- Easy in field bearing and seal replacement
- Range of connectors, oil filled hoses available
- Advanced F-E-T Inverter
 - Field Oriented (Vector) Control
 - Closed loop Speed or Current
 - Speed, Temperature, Voltage, Current & Vibration monitoring
 - Water leak detection
 - “Hours run” recording
 - Multi-drop RS485 Communications

Typical ROV eThruster and Control System Architecture

