

Cougar-XTC 1442

Light work class and inspection vehicle



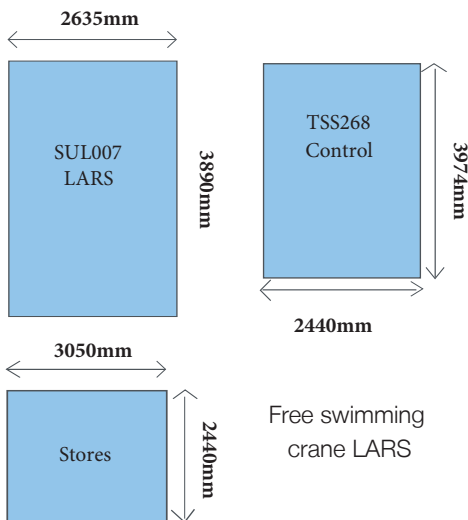
The Cougar-XTC is a compact, free swimming offshore remotely operated vehicle (ROV).

Proven worldwide and widely recognised for its capabilities, the Cougar-XTC enables operators to undertake a range of demanding work tasks whilst lowering operational costs.

Extremely powerful and versatile, the Cougar-XTC is designed to accommodate heavy duty tooling with an array of quick-change tool skids making it ideal for a range of applications including survey work, drill support, light construction projects and salvage operations.

The Cougar-XTC comes complete with an A60 zone 2 control container and an A60 zone 2 gravity-based crane launch and recovery system (LARS).

System dimensions (mm)



Technical specifications

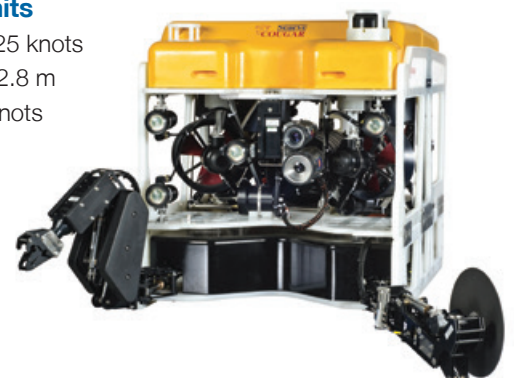
Depth rating	300 msw
Length	1300 mm
Height	784 mm
Width	900 mm
Launch weight	270 kg
Forward speed	3.8 knots
Thrust forward	170 kgf
Thrust lateral	120 kgf
Thrust vertical	110 kgf
Payload	60 kg

System power requirements

Input	3-phase 380-480 VAC
ROV + TMS	23.6 Amp
Tooling	12 Amp
LARS (typical)	52 Amp
Cabin (typical)	16 Amp

Working limits

Wind speed: 25 knots
Wave height: 2.8 m
Current: 1.2 knots



Hand control unit

The hand control unit provides remote control of various ROV features including, propulsion, pan and tilt unit, lights and autopilot functions.



Pan and tilt platform

Fitted with a pan and tilt platform with high torque output. This pan and tilt unit is oil filled and manufactured from anodised aluminium. Cougars are also fitted with 2 channel LED lighting giving greater illumination and durability over standard halogen lamps.



Options, tools and accessories

JFMS's fleet of ROVs can accommodate BlueView and Gemini multi-beam sonars, Aris sonars plus a vast array of cleaning, dredging and inspection mapping tools.

Tooling skids

Task specific tool skids can be readily changed for rapid turn-around between dives requiring different work packages.

These skids can be custom designed to suit specific operational requirements, including:

- **Manipulator packages**
- **Anvil or rotary disc cutters**
- **Water jetting equipment**
- **Torque tools**
- **Survey packages**
- **Drill support and IRM tooling**
- **Marine growth X-Y-Z tool**

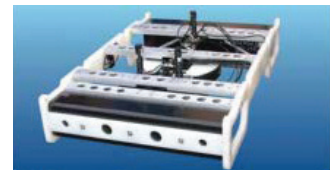


TMS garage

For work at greater depths, faster travel to and from the working zone, as well as greater protection of the vehicle through the splash zone, it is usual to deploy this type of ROV with a TMS. The stainless steel TMS type 8 uses a bail arm to spool up to 200 metres of tether on and off a drum controlled by the ROV pilot. The TMS height can be adjusted to accommodate different tool skids.



Wheel skid



AX ring removal skid



Manipulator skid with grabber arm



Survey skid with TSS pipe tracker



Anvil cable cutter



Shubber rotator



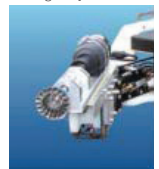
Emergency strobe



UT gauge and CP probe



Water jet



Cleaning brush



Rotary disc cutter



Profiling sonars



Sonar



Side scar sonar



Lock latch (closed)



Lock latch (open)