

Tiger 866

Inspection vehicle



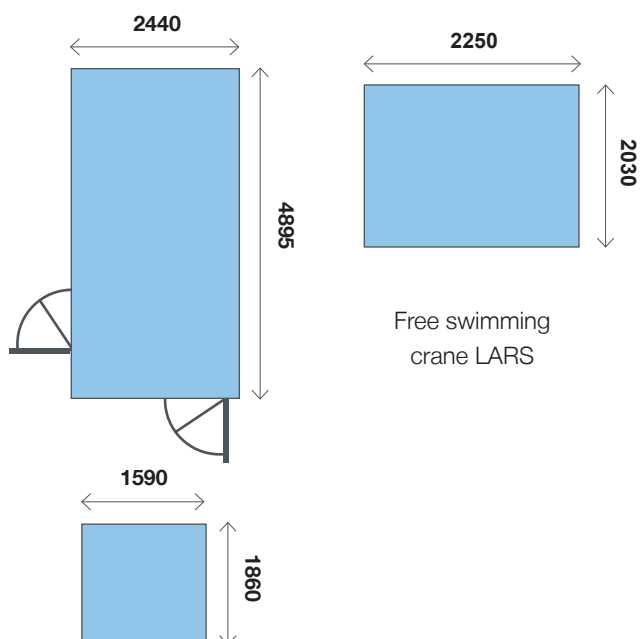
The Tiger is a compact, highly flexible and extremely powerful electric remotely operated vehicle (ROV) with working depths of up to 1000 metres. It can be configured for use as a free swimming ROV, with a Hiab crane launch or an A-Frame tether management system (TMS).

Proven worldwide and recognised for its capability, the Tiger 866 allows operators to undertake a range of demanding work tasks at much lower operating costs.

The Tiger is designed to accommodate heavy duty tooling via a system of quickchange tool skids making it ideal for survey work, drill support or light construction projects and salvage operations.

Our Tiger systems have multiple camera possibilities with fibre optic multiplex systems enabling the use of ethernet, 485,232 and direct fibre data transmissions.

System dimensions (mm)



Technical specifications	
Depth rating	1000 msw
Length	1030 mm
Height	590 mm
Width	700 mm
Launch weight	150 kg
Forward speed	3 knots
Thrust forward	62 kgf
Thrust lateral	43 kgf
Thrust vertical	22 kgf
Payload	32 kg

System power requirements	
Input	3-phase 380-480VAC
ROV	10.5 Amp
Tooling	6 Amp
LARS (typical)	33 Amp
Cabin (typical)	16 Amp

Working limits

Wind speed: 28 knots
Wave height: 2.8 m
Current: 1.0 knots



Hand control unit

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



Tilt platform

The ±90 degree camera tilt platform accepts two cameras and lights.

A proportional tilt feedback potentiometer provides an accurate tilt angle which is displayed on the video overlay.



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



Tether management system (TMS)

The Tiger can be operated in a free-swimming configuration, with up to 450m of umbilical cable, usually fitted to a winch. For work at greater depths and in higher currents, and for 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.



Tiger manipulator skid



Lynx manipulator skid



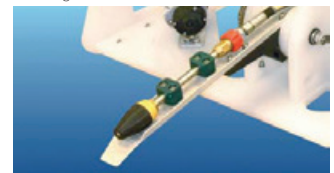
Cable cutter skid



Cleaning brush skid



BlueView multi-beam sonar



Lynx water jet skid



Transponder



Emergency strobe



Sonar



CP probe sonars



Lock latch for free-swimming option



Cygnus UT gauge



Lock latch for free-swimming option