

Remotely Operated Vehicle (ROV)



ROV name:

TYPHOON MK2 150

The Typhoon is a 150HP heavy work class ROV with 3000m depth rating. It has been designed by ROV operators for ROV operators with an emphasis on reliability, easy maintenance, low cost and ease of use.

SPECIFICATIONS

Depth Rating	: 3000 msw
Length	: 3.5 metres
Width	: 1.8 metres
Height	: 2.2 metres
Weight	: 5300 kgs
Frame Proof Load	: 30,000 kgs
Through Frame Lift	: 3500 kg

ROV THRUST

Four Vertical and Four Horizontal Thrusters	
Forward Astern	: 1000 kg
Lateral Port/ Starboard	: 800 kg
Vertical Up/ Down	: 800 kg

ROV HPU

150HP (Max)	
240L/min (Primary) @ 207bar (3000psi)	
50L/min (Auxiliary) @ 207bar (300psi)	
Variable Axial Piston Pumps	

ROV ELECTRICAL SYSTEMS

Frequency	: 60Hz ± 5%
Voltage	: 440VAC ± 5%
ROV HPU	: 200kVA, 3250VAC
ROV Instruments	: 6kVA, 2400VAC
Pan & Tilt	: 1x Front 1x rear
Lights	: 6x 24VDC LED 2x 120VDC SeaLite LEDs

Cameras:

Colour Zoom	: 1x Kongsberg OE14-367A
High Definition	: 1x Kongsberg OE15-101C
Black & White	: 4x Kongsberg OE15-109
Colour	: 1x Kongsberg OE14-111
Data Channels	: 4 Aux. Data Channels
Sonar	: Kongsberg 1171 Sonar Head
Navigation	: CDL TOGSNAV

MANIPULATORS

Standards	: Schilling T4, 7-function, Master / Slave Schilling Atlas, 7-function, rate TMT Guidepost Grabber, 2-function, rate
Optional	: Schilling Atlas, 7-function, rate Schilling RigMaster, 5-function, rate

EMERGENCY RECOVERY DEVICES

Strobe	: Novatech ST400A
Acoustic Beacon	: 2x ULB-362PL

20' CONTROL VAN - OPTION

Length	: 6.1m
Width	: 2.4m
Height	: 2.75m
MGM	: 16,000kg
Non-Hazardous Area	: Standard
HVAC	: 2x 7kW

20' WORKSHOP - OPTION

Separate wet and dry working areas	
Lifting Rail	: 1000kg
HVAC	: 7kW
Workbench, Storage, Spares	

DECK HPU - OPTION

Hydraulic Power	: 22kW
Operating Pressure	: 0 to 250bar
Maximum Pressure	: 250bar
Maximum output Flow	: 52L/min

A-FRAME - OPTION

Safe working load	: 15T
Design factor	: 3.0 global
Outreach	: 4.0m
Dimensions	: 6.0L x 4.0Wm
Gross weight	: 27,000 kgs
Boom extension	: 2.0m
Sheave wheel diameter	: 1200mm
Hydraulic damping	: +/- 10°
Latch rotation	: 355°

WINCH - OPTION

Pull (1 st layer)	: 15T @ 0-50m/min
Pull (top layer)	: 10T @ 0-70m/min
Pull Brake Holding Load	: 180% FLT (min.)
Drum capacity	: 3000m of 32.6mm dia. cable
Drum dimensions	: 2100mm O/D x 1300mm PCD x 2000mm. Approx.
Power Required	: 175kW duty approx.

AVAILABLE ROV TOOLS

Gasket Ring Tool	: Gasket Installer
Guide Wire Cutter	: Hotstabs
Guide Post Cutter	: Water blasters
Mini Dredge	: PH Meter
Rig Floor Monitor	: Fluid Transfer Skid
Smart Torque Tool	: Guidewire Latch
Plate Handling Tool	: Systems
Smart Level	: Current Meter
CP Probe	: Megga Digger
Densitometer	

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