



# TYPHOON

## HEAVY DUTY WORK CLASS ROV



ROV	
Depth Rating	3000m
Length	3.5m
Width	1.8m
Height	2.2m
Weight	5,000kg
Frame Proof Load	30,000kg
Thru Frame Lift	3,500kg

ROV THRUST	
Forward / Astern	1,000kg
Lateral Port / Starboard	800kg
Vertical Up / Down	800kg

ROV HPU	
150HP	
3000psi	
240lpm (primary)	
50lpm (secondary)	

PRIMARY HYDRAULIC SYSTEMS	
Hydraulic Accumulator	20L
Pan & Tilt	1x Front; 1x Rear
Grabber	1,500mm
Subsea Winch	30m
Subsea SRPS Weight	450kg
Z-function Tool / Manip Mounts	3x300mm

AUXILLARY TOOLING PORTS	
2x 0-100 lpm + 5 system (primary)	
8x 0-20 lpm for Rate Manipulators (primary)	
8x 0-20 lpm + 5 system (secondary)	

ELECTRICAL SYSTEMS	
Lights	Hi Power LED & Halogen
Cameras	16x Multidrop HD Colour Var. Zoom + Focus
Data Channels	8 Auxiliary Data Channels
Sonar System	Imaginex
Video Recorder	Hard disk & DVD

20' CONTROL VAN	
Length	6.1m
Width	2.4m
Height	2.75m
MGM (offshore lift rated)	16,000kg
Zone 1 (NEC 500-503)	Standard
Integrated Workshop (optional)	
HVAC	2x7kW Reverse cycle AC

20' WORKSHOP	
1,000kg lifting block	
MGM (Offshore lift rated)	16,000kg
Workbench, Storage, Spares	
HVAC	7kW Reverse cycle AC

WORKSHOP HPU	
50 lpm; 3,000psi	
Moon-pool Door Control Manifold	
Hi/Lo Flow Tooling Test Points	
4x Manual DCV's	
Vice, SS Drip tray	

UMBILICAL WINCH	
Length	4.6m
Height	4.4m
Width	2.4m
MGM (offshore rated)	35t
Drum Capacity	2,500m
Umbilical Diameter	36.4mm
Line Speed	45m/min (top layer) 35m/min (base layer)
Fully Redundant Dual VSD Electric Drive	110kW
Splits vertically for shipping	

LAUNCH & RECOVERY SYSTEMS (OPTIONS)	
Over the Side Hydraulic A-Frame with Slew Control	
Custom A-Frame for Moon-pool	
Tether Management System	
Cursor System	
Sliding or Bi-Fold Moon-pool Door	

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



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## HEAVY DUTY WORK CLASS ROV

### OVERVIEW

The Typhoon is a 150HP heavy work class ROV with a 3000m depth rating. It is designed and built in Australia to be a cost effective and client-focused answer to your ROV needs. The Typhoon has significant advantages in deck footprint, deck loading, performance, reliability and a patented seabed positioning system.

### FEATURES

#### Hydraulic Accumulator

HPU failsafe that allows the ROV to finalise tooling functions and stow arms in the event of hydraulic power loss.

#### Seabed Reference Positioning System (SRPS)

Increases visibility by eliminating the need for vertical thrust near the ocean floor. The ROV can use the SRPS for precise vertical positioning and for heavy lift assistance.

#### Electronic Architecture

Distributed node control including automated heading and station hold, expandable RS485 network with a range of quick-change PCB's for different applications. Dual redundant control and modem interface.

#### 20' Control Van / Workshop

Most compact deck footprint for heavy work class ROV with integrated workshop (option), control cabin and electrical compartment.

#### Electric Winch

45m/min dual VSD drive electric winch with full redundant drive and transmission system.

#### Manipulators

Permanent 2 function grabber with up to 3 manipulators on z-function mounts. Manipulator options with backup units and onshore full service workshop:

- Schilling T4 8-function
- Rigmaster 5-function
- 7-function rate manipulator

#### Tooling Interface

8x 0-20LPM, 3000psi for Tooling  
8x 0-20LPM, 3000psi for Manipulators  
2x Hi Flow 0-100LPM, 0-3000psi  
5x Ultra High Flow direct to main 200LPM HPU  
5x Med Flow direct to secondary 50LPM HPU  
1x Ancillary HPU interface  
*See overleaf for standard tooling options*

#### Instrumentation

Smart level, metrology scanner, ph meter, densitometer, soil sampler, x-ray NDT, ultrasonic NDT and hydrophone.



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ROV



CONTROL VAN



WINCH SYSTEM



LARS

