



# TYPHOON MK2

## Heavy Duty Work Class ROV



### OVERVIEW

The Typhoon MK2 is a 150HP heavy work class ROV with a proven 2000msw depth rating. It is designed and built in Australia to be a cost effective and client-focused answer to your ROV needs. The Typhoon can be installed in an ROV hanger, or supplied with a Control and Workshop container for installation on deck for installation on deck.

### FEATURES

#### Hydraulic Accumulator

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

#### Manipulators

Two (2) manipulators on extendable TMT Z Extensions are provided. The Z Extension provides 300mm of controlled movement in the Z axis (fwd-aft) for manipulators. A third central Z Extension is available for tooling. Manipulator options include:

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

#### Tooling Interface

- 1x Ultra High Flow direct to main 200L/min HPU
- 2x High Flow Proportional Pressure & Flow
- 5x High Flow 0-100L/min, 0-3000psi
- 5x Medium Flow direct to secondary 50L/min HPU

See overleaf for standard tooling options

#### Tether Management System

The Typhoon ROV is designed to suit Perry Type 1 TMS. Other TMS models are available as an option.

#### ROV Instrumentation

- Altimeter
- Compass
- Depth sensor
- Sonar system





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### ROV

Depth Rating	2000msw
Length	3.5m
Width	1.8m
Height	2.2m
Weight	5600kgs
Frame Proof Load	30,000kgs
Through Frame Lift	3500kg

### ROV THRUST

Four Vertical and Four Horizontal Thrusters	
Forward / Astern	1000kg
Lateral PORT / STBD	800kg
Vertical Up / Down	800kg

### ROV HPU

100HP (Max)	
240L/min (Primary) @ 207bar (3000psi)	
50L/min (Auxiliary) @ 207bar (3000psi)	
Variable Axial Piston Pumps	

### ROV ELECTRICAL SYSTEMS

Frequency	60Hz ±5%
Voltage	440VAC ± 5%
ROV HPU	150kVA, 3250VAC
ROV Instruments	8kVA, 2400VAC
Pan & Tilt	1x Front 1x Rear
Lights	6x 24VDC LED 2x 120VDC SeaLite LEDs
<b>Cameras:</b>	2x Low Light Var. Zoom + Focus
Data Channels	4 Aux Data Channels
Sonar	Imaginex
Video Recorder	Hard disk & DVD
Navigation System	Doppler Velocity Log

### MANIPULATORS

#### Standard:

Schilling T4, 7-function, Master / Slave
Schilling Atlas, 7-function, rate
TMT Guidepost Grabber, 2-function, rate

#### Optional:

Schilling Conan, 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 x4.0Wm
Gross weight	27,000kgs
Boom extension	2.0m
Sheave wheel diameter	1200mm
Hydraulic damping	+/-10°
Latch rotation	355°

### UMBILICAL WINCH - OPTION

Length	4.6m
Height	4.4m
Width	2.4m
MGM (offshore rated)	35T
Drum Capacity	2500m
Umbilical Diameter	36.4mm
Fully Redundant Dual VSD Electric Drive	110kw

### AVAILABLE ROV TOOLS

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

