



ROV "SCORPIO 58"

Seaworks Ltd, PO Box 39, Wellington, NEW ZEALAND
Phone +64 4 4996891; Fax +64 4 4996893
www.seaworks.co.nz



75 HP WORK CLASS ROV

ROV SYSTEM SPECIFICATIONS

Depth Capability

1,000 msw

Horsepower

75 horsepower

Maximum Speed

3.0 knots forward (365 kg thrust)
1.5 knots lateral (365 kg thrust)
1.0 knot vertical (730 kg thrust)

Turn Rate

35° per second

Power

56 kW (75 hp), 1200 V, 3 phase, 60 Hz

Thrusters (Servo controlled)

2 x Axial
2 x Lateral
4 x Vertical

Dimensions

Height: 1,405 mm
Width: 2,125 mm
Length: 2,485 mm

Weight in Air

2,200 kg ± 5%

Payload

1,000 kg ± 5%

Hydraulic Control Unit (HCU)

2 x 8 station

Multiplexor

64 Channels
Auxiliary multiplexor to client equipment/sensor specification

Pressure/Depth Sensors

Vehicle hydraulic pressure
Vehicle depth

Telemetry diagnostic system

Gyro

Flux gate

Heading Control

± 2°

Pitch/Roll

+ 2° to a maximum + 20°

Depth Control

Manual and Automatic

Manipulators

Remote Technologies standard 5 Function
Schilling Orion 7 Function

Sonar

Tritech Sea King or to client specification

Video Cameras

4 x 1366 colour zoom and to client specification

Lights

4 x 250 W variable, 2 X HID



ROV "SCORPIO 58"

Seaworks Ltd, PO Box 39, Wellington, NEW ZEALAND
Phone +64 4 4996891; Fax +64 4 4996893
www.seaworks.co.nz

ASSOCIATED EQUIPMENT SPECIFICATIONS

ROV TRANSPORT DIMENSIONS IN DEDICATED SHIPPING GARAGE

Height:	2,300 mm
Width:	2,400 mm
Length:	2,800 mm
Weight:	3,000 kg

CONTROL VAN

Dimensions

Height:	2,600 mm
Width:	2,400 mm
Length:	3,500 mm
Weight Laden	5,800 kg

All steel construction. Air-conditioned.

HANDLING SYSTEM

SWL 3200 kg for free swimming ROV. Launch and recovery by manual release overshot tool.

Dimensions

Transport Height:	1,800 mm
Transport Width:	2,300 mm
Operational height:	2,500 mm
Width:	3,800 mm
Length:	5,300 mm
Weight:	5,200 kg

HYDRAULIC PACK

Dimensions

Height:	1,200 mm
Width:	1,400 mm
Length:	1,500 mm
Weight:	500 kg

WORKSHOP AND SPARES VAN

Dimensions

Height:	2,560 mm
Width:	2,400 mm
Length:	3,140 mm
Weight Laden	6,300 kg

All steel construction. Air conditioned.

ROV UMBILICAL WINCH

Stand alone independent of handling system. Not required and replaced by JS 6000 winch during jetting operations.

Umbilical

650 m Alcatel Scorpio 8

Dimensions

Height:	1,500 mm
Width:	2,220 mm
Length:	1,800 mm
Weight Laden	4,000 kg

OPTIONAL INTERFACES

- Additional pan and tilt units, survey sensor interfaces, typically for:

Additional Sonars
CP
Dual Head Profiler
Cable / Pipe Tracking

Digiquartz
Responder
Bathymetric Device
Innovatum

- Altimeter with auto altitude
- Additional video camera
- Still camera mono/stereo
- Tooling skids
- Lock latch assembly
- Various manipulators
- Survey specification gyro or fibre optic gyro
- Water jetting
- AX / VX Ring change out tools
- Soft line cutters
- Wire rope shear cutters
- Disc cutters