

TECHNICAL SPECIFICATION

XLS HEAVY DUTY WORK CLASS ROV SYSTEM



ROVOP

KNOWLEDGE IN DEPTH

XLS HEAVY DUTY WORK CLASS ROV SYSTEM

The XLS is the ultimate in hydraulic heavy-duty Dual Construction and Survey Class ROV, designed and built to perform the most exacting operations in the harshest environments.

With an impressive 1,100 kgf of thrust performance, the XLS is in a class of its own. For enhanced capability the XLS can be fitted with purpose-built tooling skids and a range of acoustic sensors to perform precision surveys and salvage operations.

Operating Conditions	Up to and including Sea State 6 (3g)
Depth Rating	3,000m sea water
Hydraulic Power	112kW 150 HP
Length	3,050mm
Width	1,780mm
Height	1,930mm
In Air Weight	4,400kg
In Seawater	Weight Neutral
Fwd/Aft Bollard Pull	1,100 kgf
Lateral Bollard Pull	1,100 kgf
Vertical Bollard Pull	1,130 kgf
Fwd/Aft Surface Speed	3+ knots
Lateral Surface Speed	2+ knots
Vertical Speed	2+ knots
Payload	250kg with all standard equipment fitted
Through Frame Lift	3,000kg @3g at skid attachment points Main Pump 240bar @252 lpm 220bar @127 lpm
IHPU Pump Propulsion	4 x 380mm horizontal and 4 x 300mm vertical hydraulic thrusters

THRUSTER CONTROL

Manifold	16 station control with 2x High Flow
Manifold #1	9 station bi-directional IHPU activation Valve
Manifold #2	10 station Manifold
IHPU Manifold	8 valves available for options 9 station Manifold 2 valves remotely controlled for pressure and flow.
Auto Functions	Heading, Depth, Altitude, Pitch & Roll
Auto Positioning (ROV DP)	Utilising RDI 1200 Doppler log
Heading Control	Tritech ICG & IFG sensors
Depth Control	Digiquartz Depth sensor
Altitude Control	RDI 1200 Doppler log
Telemetry	Real-time Video Channels (8) Full Duplex RS232 @115pbs Data Channels (4) Full/Half Duplex RS485/422/232 @115pbs Channels (4)
Lighting	Up to 12 x 250W lamps
Equipment Interface	Survey JB up to 32 channels Reson 8125 Interface Sidescan interface FOG interface

VEHICLE EQUIPMENT : fit as standard

Manipulator	1 x Schilling T4 with wrist camera
Grabber	1 x PSSI TA60
Camera Pan and Tilt	3 x Tritech PT3636-C
Colour Cameras	2 x OE14-366 colour zoom cameras 1 x OE14-106 colour camera 1 x OE14-110 colour camera 1 x Schilling T4 wrist camera
Low Light Camera	1 x OE15-102 SIT Equiv camera
Sonar	1 x Tritech Super Seaking DFS
Emergency Flasher	1 x Novatech Strobe
Emergency RF Beacon	1 x Novatech Beacon

TETHER MANAGEMENT SYSTEM (TMS)

Operating Conditions	Up to and including Sea State 6 (3g)
Depth Rating	3,000 metres sea water
Tether Capacity	300m of 35mm Tether
Hydraulic Power	7.6kW 10HP
Diameter	1980mm
Height	2180mm
In Air Weight	3000kg
In Seawater Weight	2163kg
Depth Measurement	1 x Digiquartz Depth sensor
Lighting	2 x 250W lamps
Video	1 x OE14-110 Colour Camera

CONTROL CONTAINER & EQUIPMENT

Control Container	A60. DNV 2.7-1
Length	6058mm
Width	2438mm
Height	2743mm
Weight	12,000kg
Air conditioning	1x 17.5KW
Incoming Supplies	1 x 440Vac, 60Hz, 3 Phase, 63A

A FRAME ASSEMBLY

Type	Hydraulically powered telescopic 'A' frame c/w umbilical sheave, damped snubber and rotating snubber
Safe Working Load	11,500kg in air
Design Factor	3g
Deployed Reach	4,736mm

UMBILICAL WINCH

Type	Hydraulically powered from external unit
Design Factor	3g
Umbilical Storage Capacity	3,000m of 40.5mm diameter umbilical
Dimensions (erected)	3,000mm (L) x 2900 (W) x 9,200mm (H)
Weight	33,700kg nominal with 3000m of umbilical installed
Control	Local control station