

TECHNICAL SPECIFICATION

# XLX HEAVY DUTY WORK CLASS ROV SYSTEM



# ROVOP

KNOWLEDGE IN DEPTH

# XLX HEAVY DUTY WORK CLASS ROV SYSTEM

The XLX 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 1,100kgf of thrust performance, the XLX is in a class of its own. For enhanced capability the XLX 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	3,226mm
Width	1803mm
Height	1,930mm
In Air Weight	4,900kg
In Seawater	Weight Neutral
Fwd/Aft Bollard Pull	1,100 kgf
Lateral Bollard Pull	1,100 kgf
Vertical Bollard Pul	900kgf
Fwd/Aft Surface Speed	3+ knots
Lateral Surface Speed	3+ knots
Vertical Speed	3+ knots
Payload	250kg with all std equip fitted
Through Frame Lift	3000kg @3g at skid attachment points Main Pump 240bar @348 lpm 220bar @70 lpm
IHPU Pump	220bar @70 lpm
Propulsion	4 x 380mm horizontal and 4 x 300mm vertical hydraulic thrusters

## THRUSTER CONTROL

Thruster Control Manifold	One intelligent, 16 station control with 4xHigh Flow for tooling
Main Manifold	One intelligent, 16 station bi-directional 13 proportional control manifold
IHPU Manifold	12 station proportional surface controlled Manifold
Auto Functions	Heading, Depth, Altitude, Pitch and 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	8 x RS232 data channels + 8 x RS485 8 x video channels 10/100/1000 Ethernet via single mode fibre
Lighting	Up to 12 x 250W lamps
Equipment Interface	Survey JB up to 32 channels FOG interface

## VEHICLE EQUIPMENT : fit as standard

Manipulator	1 x Schilling T4 with wrist camera
Grabber	1 x Forum TA60
Camera Pan and Tilt	3 x Tritech PT3636-C
Colour Cameras	2 x OE14-366 colour zoom cameras 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	1,800mm
Height	2,026mm
In Air Weight	3,000kg
In Seawater Weight	2,163kg
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	6,058mm
Width	2,438mm
Height	2,743mm
Weight	12,000kg
Air conditioning	1x 17.5KW
Incoming Supplies	1 x 440Vac, 60Hz, 3 Phase, 400A

## A FRAME ASSEMBLY

Type	Hydraulically powered telescopic 'A' frame c/w umbilical sheave, damped snubber and rotating frame
Safe Working Load	12,000kg
Design Factor	3g

## UMBILICAL WINCH

Type	Hydraulically powered from external unit
Design Factor	3g
Safe Working Load	16,048kg
Umbilical Storage Capacity	3,000m of 40.5mm diameter umbilical
Braking	Independent emergency braking system
Control	Local control station

Specifications may vary between systems – exact details are available on request.