

Triton XLS Heavy Duty Work Class ROV System

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REMOTELY OPERATED VEHICLE

Operating Conditions	Up to and including Sea State 6 (3g)
Depth Rating	3,000m sea water
Hydraulic Power	112kW 150HP
Length	3,050mm
Width	1,780mm
Height	1,930mm
In Air Weight	4,400kg
Bollard Pull (min)	1,100kgf
Fwd/ Aft Surface Speed	3+ Knots
Lateral Surface Speed	2+ Knots
Reserve Payload	200Kg
Surface Maintenance Receiver	90Kg Static load
Through Frame Lift Capacity	3,000Kg
Work Package Interface	Standard XL bolt-on

THRUSTER CONTROL

Manifold #1	9 station bi-directional inc. IHPU activation valve
Manifold #2	10 station manifold, all valves available for options
IHPU Manifold	8 station manifold inc. 2 x remotely controlled proportional flow/ pressure valves
Auto Functions	Heading, Depth, Altitude, Pitch and Roll
Auto Positioning	Navigator DVL
Heading Control	Watsons AHRS E304
Depth Control	Paroscientific Digiquartz
Altitude Control	Navigator DVL
Recording Facility	4 Channel BlackBox Digital Video Recorder with Overlay

VEHICLE EQUIPMENT

Manipulator 1	Schilling T4, 7-function
Manipulator 2	Rigmaster, 5-function
Pan and Tilt	2x Trittech P+T
Lighting	2x Rosys 120W Q-LED floodlamp 6x DSPL 90W dimmable LED lamp
Cameras	5x standard, 3x optional
Obstacle Avoidance Sonar	Kongsberg MS1000
Multibeam Echo Sonar	Optional
Survey Pod Communication	4x 10 Gigabit Ethernet, 4x RS232, 4x RS485
Survey Pod Power	8x 24Vdc - 14 Amp, 2x 110Vac 10Amp

TETHER MANAGEMENT SYSTEM

Operating Conditions	Up to and including Sea State 6 (3g)
Depth Rating	3,000 metres sea water
Tether Capacity	350m of 35mm Tether
Hydraulic Power	7.6kW 10HP
Diameter	1,980mm
Height	2,180mm
In Air Weight	3,000kg
Pan and Tilt	1x Trittech P+T
Lighting	2 x DSPL 90W LED lamp
Video	1 x Camera



Get In Touch

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A FRAME ASSEMBLY

Type	Dynacon 6021 hydraulically powered 'A' frame and docking head assembly
SWL - Overboard	15,00kg
SWL - Luffing	9,000kg
Design Factor	3g
Deployed Reach	3,161mm
Dimensions	7,849mm (L) x 3,213mm (W) x 3,026mm (Transport)
Weight	18,594kg nominal



UMBILICAL WINCH

Type	Dynacon 521, hydraulically powered lift winch and levelwind system, complete with electro-optic slipping and umbilical.
SWL	15,240kg
Design Factor	3g
Umbilical Storage Capacity	2,700m of 47mm diameter umbilical
Umbilical Fitted	630m
Dimensions	5,248mm (L) x 3,150mm (W) x 3,226mm (H) (Transport)
Weight	14,561kg

LARS HPU

Type	Dynacon EHPU 937, 150HP electrically powered hydraulic power unit
Power Requirement	460Vac ($\pm 10\%$), 60Hz, 3 Phase
Dimensions	2,23mm (L) x 1,403mm (W) x 2223mm (H)
Weight	3,091Kg
Control	Local control station, electrical

The TRITON® XLS ROV System is custom designed for standard subsurface tasks such as drill rig support, diver support / monitoring, and instrument/ hardware installation and recovery. Additional tools may be added to enhance the system capabilities. To accomplish its mission(s), the TRITON® XLS ROV System consists of the following major elements.

- Remote Operated Vehicle
- Tether Management System
- LARS System
- Surface Control System
- Workshop/ Stores
- 10ft Open Top

The LARS system is composed of an A-Frame assembly, umbilical winch and HPU.

The function of the A-frame is to facilitate the movement of the TMS/ ROV to and from the deck to the overboard position, as well as manage the lift umbilical at the overboard position, where the primary function of the umbilical winch is the deployment and recovery of the TMS/ ROV from the overboard position to the working depth. The HPU provides hydraulic power and control of both the A-frame and winch units.

The LARS components are affixed to the deck of the vessel using replaceable tie-down plates to be welded to the deck structure.

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