

Triton XLS 19/20

125 HP Heavy Workclass ROV System



The Triton® XLS is the latest evolution of the Triton® XL series, the world's most successful high-end workclass ROV.

The Triton® XLS incorporates more thrust, more payload and more space within the vehicle frame for customer requirements. Eight high performance 12" thrusters provide symmetrical thrust in all directions.

With the highest standard payload of 350kg wet weight (with standard equipment and manipulators installed) and the largest inside frame volume, the Triton® XLS can carry more sensors and tooling than ever before.



Depth Rating	3000msw
Tether Management System	Heavy lift TMS c/w 350m tether
Power	125 HP hydraulic power system
Through Frame Lift	3000kg
Control System	PC Based Single Mode Fibre Optic
Payload Capacity	250kg
Manipulators	Schilling T4 PSSL TA60

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Technical Specification

DIMENSIONS

Length	3050mm
Width	1850mm
Height	1890mm
Depth Rating	3050msw
Weight in Air	4310kg
Payload Capacity	250kg
Through frame lift	3000kg

SENSORS

Heading, Pitch and Roll	Watson AHRS-24
Depth	Digiquartz 8B 4000
Altimeter	Simrad 1007
Sonar	Simrad MS1071

AUTO FUNCTION

Auto Depth Control	± 140mm
Auto Altitude Control	± 140mm
Auto Heading Control	± 2.0 degree
Pitch and Roll Control	± 5.0 degree

HYDRAULIC SYSTEM

Motor	3000VAC, 50/60Hz, 125HP
Main hyd output pressure	220bar
Main hyd output flow	227Lt/min
Auxiliary hyd output pressure	205bar
Auxiliary hyd output flow	75Lt/min

PROPULSION SYSTEM

Thrusters Horizontal	4 x RHL motor c/w 305mmØ propellers
Thrusters Vertical	4 x RHL motor c/w 305mmØ propellers
Bollard Pull (Nominal)	
– Forward	850kgf
– Lateral	850kgf
– Vertical	1040kgf

CAMERAS

Camera Interface	2 x Junction Boxes (Fwd & Aft mounted)
Standard fitted	Simrad OE1366 Colour Zoom Simrad OE15-100 Near SIT Simrad OE1358 Simrad OE14-106
Maximum Capacity	8 cameras

LIGHTING SYSTEM

Circuit Configuration	5 x Dimable circuits (2 x 250Watt lights each)
Optional Circuit	2 x 250Watt HID
Total Lighting Capacity	3000Watts

MANIPULATORS

Right Hand Mounted	Schilling T4 manipulator c/w intermeshing jaws
Left Hand Mounted	PSSL TA60 ID manipulator c/w intermeshing jaws

LAWSONS LARS

Winch Capacity	3300m of 40.5mm NSW Umbilical
Winch Line Pull	10.281Te (top layer) 16.048Te (bottom layer)
Winch Speed	60m/min (top layer light) 42m/min lifting ROV/TMS through interface
A-frame Outreach	4.7m
Winch/A-frame Controls	PLC based portable control box

The Winch is arranged to sit on top of the rear of the A-frame skid for operation, thus reducing the required deck space. All LARS components; Winch, A-frame, HPU are within standard road transport dimensions

TETHER MANAGEMENT SYSTEM

Type	PSSL HL TMS
Depth Rating	4000m
Dimensions	2000mm diameter 2250mm height
Weight - In Air	2200kg (nominal) excluding tether
Weight - In Seawater	1500kg (nominal) excluding tether
Load Capacity	11000kg top lift point under 3g accelerations
Lift Capacity	8000kg (docking box rating)
Tether length	350m of 35mm neutral tether

CONTROL ROOM

Type	Standard 20' Container to DNV 2.7.1
Zone Rating	Safe area rated
Power Distribution	215KVA Transformer for ROV hydraulics 6.5KVA Transformer for ROV Electronics 7.5KVA Transformer for TMS HPU Ground fault detection circuits, Deck cable interface
Control Console	3 bay ergonomically designed Graphics/ Vision/ Sonar monitors Video & DVD Overlay/ Switching/ Recording Surface communications Manipulator control

DECK POWER PACK

Type	30hp charge cart Safe area rated CJC oil reclaim unit fitted
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