



150 HP HEAVY WORK CLASS ROV

TRITON XLS 39

The Triton XLS, a 150 HP heavy work class ROV system, is the world's most successful high end work class ROV. The XLS series has increased thrust, additional payload and more space within the vehicle frame to accommodate client requirements. Depth rated to 3,000 meters, the Triton XLS is designed for operations in deep and ultra deep water depths. The Triton XLS has a through frame lift capacity of 3,000 Kg, providing a platform to undertake a wide variety of survey, construction and drilling support operations.



HIGHLIGHTS

- ▲ Top-Hat TMS with 440m of excursion umbilical.
- ▲ Capable of working in High Tidal Conditions / Harsh Environments.
- ▲ 150 HP unit with 4 horizontal and 4 vertical thrusters.
- ▲ Pay load capacity of 250 kg and through frame lift capacity up to 3,000 kg.
- ▲ Single mode control system based on fiber optics.
- ▲ Equipped with full set of Intervention Tooling.
- ▲ DNV Class 2.7-1 certification.

All specifications presented within this document are subject to change without notice.

VEHICLE SPECIFICATIONS

Depth Rating:	3,050 m
Length:	3.05 m
Width:	1.78 m
Height:	1.93 m
Weight:	4.4 Tons
Forward Speed:	3 knots
Lateral Speed:	3 knots
Forward Thrust:	1,100 kgf
Lateral Thrust:	1,100 kgf
Vertical Thrust:	1,050 kgf
Payload:	250 kg
Under-Slung:	3,000 kg

Tether Management System:

Model:	Type 4b
Depth Rating:	4,000 m
Diameter:	1.8 m
Height:	2 m
Tether diameter:	35 mm
Tether capacity:	440 m
Maximum line pull:	600 kgf
Haul in speed:	34 m/min (max)

Propulsion

4 x 280 mm Thrusters Horizontal
4 x 305 mm Thrusters Vertical

Auto-Functions

Heading Control:	+/- 2.0 degrees
Pitch and Roll Control:	+/- 5.0 degrees
Depth Control:	+/- 0.15 m
Altitude Control:	+/- 0.15 m

Power Requirements

440V~480V, 3Φ, 60 Hz (Operational: 600 amps, Startup 1,250amps)

Manipulators

1 x Schilling Titan T4 seven-function
c/w Parallel Jaws and Three Finger
Intermeshing Jaws
1 x PSSL TA60 five-function
c/w Intermeshing Jaws

SYSTEM DIMENSIONS AND WEIGHTS

LARS (Dynacon 6023)

Length:	8 m
Width:	3.5 m
Height:	9.22 m (3.25m folding)
Weight:	21 Tons
A-Frame Outreach:	4 m

Winch (Dynacon 521XL)

Cable Capacity:	3,300 m
Umbilical Length:	2,000 m
Recovery Speed:	60 m/min
Length:	2.9 m
Width:	3.4 m
Height:	4 m
Weight:	34 Tons
SWL:	10.7 T (Top) 17.1 T (Btm)

Control Van

Type:	20 ft offshore container
Certification:	DNV 2.7-1 & EN12079:2006, A60 rated
Weight:	12 Tons

W/S Container / Stores

Type:	20 ft offshore container
Certification:	DNV 2.7-1 & EN12079:2006
Weight:	13 Tons

Stores Container:

Length:	3.10 m
Width:	2.6 m
Height:	2.6 m
Weight:	4 Tons

EQUIPMENT FITTED AS STANDARD

Standard Sensors

Depth	
Type:	Paroscientific
Model:	Digiquartz 8B 4000
Operating Range:	4,000 m
Accuracy:	0.01 % FS

Altimeter

Manufacturer:	Kongsberg Mesotech
Model:	1007
Frequency:	200 kHz
Range:	35 m

Heading

Manufacturer:	Watson
Model:	AHRS-24
Accuracy:	+/- 2 degrees

Pitch and Roll

Manufacturer:	Watson
Model:	AHRS-24
Accuracy:	0.2 degrees

Sonar

Manufacturer:	Tritech
Model:	Super Seaking DST
Frequency:	325 & 675 kHz

Camera

Manufacturer:	Kongsberg Maritime
Model:	OE 15-100 Near SIT OE 14-366 Color zoom OE 1358 & 14-106

Digital Video Recording System

VisualSoft DVR – Digital Video Recording system
(2 channel simultaneous recording), with video overlay
for both channels

Lights

8 x 250W Dimmable Lights
2 x Simrad SeaArc 5000 HID Lights

OPTIONAL EQUIPMENT

Tooling Equipment

Torque Tool Control Intelligent Manifold System
Class 1-4 Toque Tool
Webtool WCS75HDZ 75 mm Wire Rope Cutter
AX/VX Gasket Replacement Tool