



OFFSHORE TECHNOLOGY SOLUTIONS LTD.

OFFSHORE TECHNOLOGY SOLUTIONS LTD.

ROV - TRITON XLS 150HP

OTSL ROVFLEX Division Triton XLS - 150HP

The Triton XLS 150HP is the newest, hydraulic heavy duty dual construction and survey class remotely operated vehicle, to be added to OTSL's ROV fleet.

Designed and built to perform the most exacting tasks in the harshest of environments over extended periods, the XLS defines getting the job done. Control, Performance and Depth have all been significantly improved in this the latest design in the well proven Triton XL Series.

A new breed, with an impressive 1,100kgf thrust performance, the Triton XLS 150HP is the first to set its own class. Especially suited for heavy -duty construction support, where remote intervention tasks are required such as positioning of subsea structures, pipeline and umbilical connections, pipeline repair, component change-out, valve operation, fluid injection, debris removal and a host of other tasks.

To enhance the capability of the TXLS, it can be fitted with purpose built tooling skids, weighing up to 3000kg (3 Te.) in air. A range of acoustic sensors can also be attached for precision surveys and salvage operations.

Deep water operations can be further aided by the use of a complimentary top hat tether management system (TMS), designed to maximize the performance of the vehicle by eliminating the effects of umbilical drag and vessel motion.



HEAVY DUTY CONSTRUCTION CLASS ROV





OFFSHORE TECHNOLOGY SOLUTIONS LTD.

OFFSHORE TECHNOLOGY SOLUTIONS LTD.

ROV - TRITON XLS 150HP

SPECIFICATIONS Pg.1



OTSL ROV - TRITON XLS

VEHICLE MODEL - Triton XLS 150HP

Vehicle Features:

Control Van

Build Standard.....	20 ft. EN12079
Length.....	6 m.
Width.....	2.5 m
Height.....	2.9 m
Weight.....	12 Tones

Workshop Van

Build Standard.....	20 ft. ISO-L
Length.....	6 m
Width.....	2.5 m
Height.....	3.42 m
Weight.....	12 Tones

Vehicle

Depth rating.....	3,000 m
Length.....	3.6 m
Width.....	2.1 m
Height.....	1.95 m
Weight.....	4.6 Tones
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
Propulsion: 4x Thrusters Horizontal	280 mm
4x Thrusters Vertical	305 mm

LARS - (A.Frame)

Length.....	8 m
Width.....	2.9 m
Height.....	2.44 m
Weight	16 Tonnes

Tether Management System (TMS)

Depth Rating.....	4,000 m
Weight in Air.....	1,950 Kg.
Weight In Water.....	1,450 Kg.
Electrical HP.....	10 HP
Drum Capacity.....	380 m

LARS HPU

Length.....	2.5 m
Width.....	1.8 m
Height.....	1.8 m
Weight.....	5 Tonnes

Umbilical Winch

Length.....	2.8 m
Width.....	3.1 m
Height.....	4 m
Weight.....	24 Tonnes
Capacity.....	3,000 m
Speed.....	47m/min

Power Supply 440V~480V,3PH, 60Hz, 510KVA



OFFSHORE TECHNOLOGY SOLUTIONS LTD.

OFFSHORE TECHNOLOGY SOLUTIONS LTD.

ROV - TRITON XLS 150HP

SPECIFICATIONS Pg.2



OTSL ROV - TRITON XLS

VEHICLE MODEL - Triton XLS 150HP

System Sensors & Equipment

Cameras

- 1x Kongsberg Simrad (OE 15-100a Near SIT)
- 1x Kongsberg Simrad (OE 14 366 Color Zoom)
- 2x Kongsberg Simrad (OE 15-358 & 14-376)

Sensors -Built IN

- 1x Digquartz Depth Sensor(Panarografic)
- 1x Gyro Compass(Watson)
- 1x Pitch and Roll Transducer(Watson-AHRS-24)
- 1x DVL (Teledyne-WHN 1200)
- 1x Novatech flasher
- 1x Novatech RF Beacon
- 1x Triton SeaKing sonar head S6332
- 1x Gyro and Motion Reference Unit (IGC& IFG)

Video

- 1x Single Channel Overlay System
- 2x DVD / VCR recording System
- 4. Lights
- 2 x Simrad SeaArc 5000 HID lights
- 6 x Standard halogen deepwater Lights



Mainpulators

1x 5 Function Manipulator -PSSL TA60

Maximum Reach	1,410 mm
Shoulder Slew	110°
Shoulder Pitch.....	100°
Extend	300 mm
Wrist Rotate.....	Continuous
Jaw Size	285 mm
Lift Capacity (Extended).....	300 Kg
Lift Capacity (Retracted).....	380 Kg
Wrist Rotate Torque	400 Nm
Jaw Grip Force	3,500 N

1x 7 Function Manipulator -Titan 4

Maximum Reach	1,922 mm
Lift at full extension.....	122 kg
Maximum lift.....	.454 kg
Maximum gripper opening ..	99 mm
Grip force.....	4,092 N
Wrist torque	121 Nm
Wrist Rotate.....	Continuous
Azimuth Rotary	240°
Shoulder pitch Linear	120°
Elbow pitch Rotary	270°
Wrist pitch Rotary	180°
Wrist yaw Rotary	180°