



Triton XL upgraded

The 100HP TRITON XL offers a comprehensive combination of thrust, payload, through-frame lift and sensor interface. It supports virtually any offshore heavy-work requirement, including: Drill Support, Construction Support, Platform cleaning and inspection, Subsea cable burial and maintenance, Deepwater salvage, Remote deployment, Subsea pipeline completion, Suction Pile installation.

System configuration

- Survey
- Construction
- TMS
- LARS



Triton XL upgraded

The 100 HP TRITON XL has exceptional durability, endurance and operational flexibility.

It is equipped with power delivery, instrumentation and telemetry management systems to support turnkey construction operations in water depths up to 2000 m.

Delivered with 200 m tether plus 2000 m of lift umbilical on a 2500 m capacity winch, all of the systems are capable of operating in a water depth exceeding 2000 m in their standard configuration. Provisions are in place to easily upgrade to 2500 m.



Vehicle specifications

Length	3200 mm
Width	1600 mm
Height	1980 mm
Launch weight	W3 T
Payload	300 kg
Power	100 HP
Forward/Aft thrust	660 kgf
Lateral thrust	> 3 knots Speed
Rated to	2000 m
Payload	300 kg

TMS Tether Management System

Capacity	190 m useable length
Slip Rings	Focal Technology mod 190
Electrical	3x Quad / 2 Coax
Optical	3x fiber optic rotary joints
Tether length	200 m 183 m
Camera	1x B/W Camera
TMS Diameter	1900 mm
Height	2100 mm
Weight	3039 kg

Umbilical & Tether

Umbilical length	2200 m
Diameter	43 mm
Breaking Strength	510 kN
Type	Steel armoured
Conductors	17 x power 6 x optical fiber 3 x 59 Coax 4 x RG 108 Quads Nexus Bwt 2
Tether Type	RG 59 Coax 3 off
Consists	Individual quads 3 off Power conductors 16 off Fiber optic bundle

LARS Launch And Recovery System

Winch	Dynacon Model 521
Power	100 HP
Safe working load	12 T

LARS	Dynacon 6021 A-frame
Positive latch & rotation	
Safe working load	9 T
Fully deployed capacity	20 T

A-Frame dimensions

Reach	3.15 m
Length	12.8 m
Width	3.2 m
Height Fully extended	8.84 m
Height collapsed	3.29 m
Total Weight	21 T

Control & Workshop

Each unit is fitted in a dedicated 20ft container, dimensions are:	
Length	6.1 m
Width	2.25 m
Height	2.45 m
Workshop weight	10 T
Control cabin weight	12 T

Standard equipment

Camera	1x Colour CCD Camera on tilt platform 1x Second camera
Tilt	Tilt Platform Unit, ± 90 deg
Lighting	150w variable intensity lighting on tilt unit
Sonar	Tritech Super Seaking
Heading	impact ISM3D

Technical specifications

Cameras & Lights	
- 1x SIT camera	
- 2x Color Zoom camera	
- 1x CCD B/W camera	
- 1x B/W camera	
- 8x Lights	
Manipulators	
- 1x Perry TA 60 5 function	
- 1x Schilling Orion 7P	

Data & video lines	
- 12x RS232	
- 2x Ethernet 10/100	
- 8x videochannels	

Thrusters	
- 7x Innerspace 4200-16	
- 4x Vectored horizontal	
- 3x Vertical	
HPU Power	
- 100SHP nom, 60Hz electric	
- Motor driving hydraulic pump	
- Delivery of 198 l/mn @ 224bar	

Hydraulics	
- 1x 8 functions servo	
- 1x Spare servo	
- 2x 10 functions, 4-way	
- 3 positions, 3300 psi 20 l/mn	

Power requirements

Main Power	440 VAC 60 Hz 30KVA
Surface Domestic	440 VAC 60 Hz @ 32A

LARS 100HP	
Lars load current: 186 A	
Recommended circuit breaker «d» rated 200-250 amps	

Automatic functions

Auto-Heading	
Auto-Depth	
Auto-Altitude	

Service team

Typical ROV team based on 12 hours/day operations	
> 3x Pilot/Technicians	
> 1x Supervisor	



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