

# TRITON XL

## SPECIFICATION SHEET



### WORK CLASS ROV

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.

### KEY FEATURES

- HEAVY DUTY WORK CLASS ROV - 100 HP
- TMS WITH 190 M USEABLE LENGTH
- A-FRAME LAUNCH AND RECOVERY SYSTEM
- PAYLOAD 300 KG
- LAUNCH WEIGHT W3T

## GENERAL

<b>DIMENSIONS L X W X H</b>	3200 x 1600 x 1980 mm
<b>LAUNCH WEIGHT</b>	W3 T
<b>PLAYLOAD</b>	300 kg
<b>POWER</b>	100 HP
<b>FORWARD/AFT THRUST</b>	660 kgf
<b>LATERAL THRUST</b>	> 3 knots speed
<b>RATED TO</b>	2000 m

## TMS

<b>CAPACITY</b>	190 m useable length
<b>SLIP RINGS</b>	Focal Technology mod 190
<b>ELECTRICAL</b>	3 x Quad / 2 Coax
<b>OPTICAL</b>	3 x Fiber optic rotary joints
<b>TETHER LENGTH</b>	200 m 183 m
<b>CAMERA</b>	1 x B/W Camera
<b>TMS DIAMETER</b>	1900 mm
<b>HEIGHT</b>	2100 mm
<b>WEIGHT</b>	3039 kg

## STANDARD EQUIPMENT FIT

<b>SONAR</b>	Tritech Super Seaking
<b>HEADING</b>	Impact ISM3D
<b>CAMERAS</b>	1 x CCD colour on tilt platform 1 x Second camera
<b>TILT</b>	Tilt Platform Unit, +/- 90deg
<b>LIGHTING</b>	150w variable intensity lighting on tilt unit

## UMBILICAL & TETHER

<b>UMBILICAL LENGTH</b>	2200 m
<b>DIAMETER</b>	43 mm
<b>BRAKING STRENGTH</b>	510 kN
<b>TYPE</b>	Steel armoured
<b>OPTIONS</b>	17 x Power 6 x Optical fiber 3 x Coax 4 x RG 108 Quads Nexus Bwt 2
<b>TETHER TYPE</b>	RG 59 Coax 3 off
<b>CONSISTS</b>	Individual quads 3 off Power conductors 16 off Fiber optic bundle

## CONTROL MODES

Auto head
Auto depth
Auto altitude

## CONTROL / WORKSHOP

<b>CONTROL CONTAINER</b>	20 ft
<b>DIMENSIONS L X W X H</b>	6.1 x 2.25 x 2.45 m
<b>WORKSHOP WEIGHT</b>	10 T
<b>CONTROL CABIN WEIGHT</b>	12 T

## POWER REQUIREMENTS

<b>MAIN POWER</b>	440 VAC 60 Hz 30KVA
<b>SURFACE DOMESTIC</b>	440 VAC 60 Hz @ 32A
<b>LARS</b>	100HP
<b>LARS LOAD CURRENT</b>	186 A
<b>REC. CIRCUIT BREAKER</b>	"D" rated 200-250 amps

## A-FRAME DIMENSIONS

<b>REACH</b>	3.15 m
<b>LENGTH</b>	12.8 m
<b>WIDTH</b>	3.2 m
<b>HEIGHT FULLY EXTENDED</b>	8.84 m
<b>HEIGHT COLLAPSED</b>	3.29 m
<b>TOTAL WEIGHT</b>	21 T

## LAUNCH AND RECOVERY SYSTEM

<b>WINCH</b>	Dynacon Model 521
<b>POWER</b>	100 HP
<b>SAFE WORKING LOAD</b>	12 T
<b>LARS</b>	Dynacon 6021 A-Frame
<b>POSITIVE LATCH &amp; ROTATION</b>	
<b>SAFE WORKING LOAD</b>	9 T
<b>FULLY DEPLOYED CAPACITY</b>	20 T

## TECHNICAL SPECIFICATIONS

<b>CAMERAS &amp; LIGHTS</b>	1 x SIT Camera, 2 x Color Zoom Camera, 1 x CCD B/W Camera, 1 x B/W Camera, 8 x Lights
<b>MANIPULATORS</b>	1 x Perry TA 60 5 function 1 x Schilling Orion 7P
<b>DATA &amp; VIDEO LINES</b>	12 x RS232, 2 x Ethernet 10/100, 8 x Videochannels
<b>THRUSTERS</b>	7 x Innerspace 4200-16, 4 x Vectored horizontal, 3 x Vertical
<b>HPU POWER</b>	100SHP nom, 60Hz electric, Motor driving hydraulic pump, Delivery of 198 l/mn @ 224 bar
<b>HYDRAULICS</b>	1 x 8 Functions servo, 1 x Spare servo, 2 x 10 Functions, 4-way, 3 positions, 3300 psi 20 l/mn

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