GSP ROV - Triton XLR

ROV & SAT

www.gspoffshore.com
TECHNICAL DATA

MEDIUM DUTY WORK CLASS ROV
- Depth Rating: 3,000 MSW
- Power: 125 HP
- Through Frame Lift: 2,000 kg max.
- Payload Capacity: 150 kg
- Control System: I-CTM Real Time Control System with GHz
  Optical Link, Ethernet Telemetry and Graphical
  Diagnostics
- Control Modes: Heading, Depth, Altitude and Auto Position™

SPECIFICATIONS

DIMENSIONS
- Length: 2,780 mm (including manipulators)
- Width: 1,500 mm over buoyancy 1,570 over
  fenders
- Height: 1,800 mm
- Depth Rating: 3,000 msw
- Weight in Air: 2,850 – 3,450 kg depending on options
- Payload Capacity: 150 kg
- Through Frame Lift: 2,000 kgf
- Aft Load Capacity: 600 kg
- Power Pack Options: 125 HP (shaft)
- Turning Rate: 40º/s
- Thruster Horizontal: 4 x 380 mm Ø
- Thruster Vertical: 2 x 380 mm Ø with 1 x 380 mm Ø pitch
  thruster option
- Auto Heading Control: ± 2.0º
- Auto Pitch and Roll Control: ± 5.0º
- Auto Depth Control: ± 150 mm
- Auto Attitude Control: ± 150 mm

Bollard Pull (Nominal)
- Forward: 60 Hz supply
  850 kgf 740 kgf
- Lateral: 850 kgf 740 kgf
- Vertical: 565 / 850 kgf 500 / 745 kgf

Surface Speed (Nominal)
- Forward: 60 Hz supply
  3.7 knots 3.5 knots
- Lateral: 3.2 knots 3.0 knots
- Vertical: 2.8 / 3.5 knots 2.6 / 3.3 knots

Dedicated Serial & Power Channels for Gyro, Digiquartz,
Altimeter / DVL, Sonar, Manip, Responder Trigger, Manifolds
Spare Serial Channels (7) (RS232 / RS485)
Spare Switched DC Power Channels (4)
Spare Switched AC Power Channels (3)
Current Sensing & Protection on each Channel
PV Audio Channel & Microphone

POWER DISTRIBUTION
- 150 kVA Transformer for Vehicle Hydraulics (1)
- 4 kVA Transformer for Vehicle Electronics (1)
- 15 kVA Transformer for TMS-HPU (1)
- 2 kVA Transformer for TMS Electronics (1)
- Ground Fault Detection Circuits
- Deck cable interface
- CB, O / L and current / voltage sensor

CONTROL SYSTEM
- Utilizes the revolutionary I-CTM™ Integrated control engine
- Fully redundant Windows® based HMI Computers
- Dedicated real-time controllers
- Intuitive Graphic User Interface (GUI)
- Advanced graphical interactive diagnostics
- User configurable GUI
- Ergonomic pilot / co-pilot control consoles combining touch screen
  and physical switch control interfaces
- Video Wall (4 x 40” HD Plasma Monitors)

SYSTEM OPTIONS
- 12 / 16 Station Proportional Auxiliary Manifold
- Auxiliary Hydraulic System, 70 lpm @ 210 bar
- Additional Electric P & T / Alternative Hydraulic P&T Unit / s
- Auxiliary JB with RT Video (+4) & Serial (+14) Channels
- Multibeam sonar, HD Video & Survey Ethernet Channels
- Additional / Alternative Cameras: SIT Equivalent, etc.
- Additional / Alternative Lights: HID, HMI, LED, etc.
- ROV Auto & Dynamic Positioning inc. DVL
- North Seeking Gyro
- Main Umbilical – Armoured
- Surface Handling – A’ Frame

Control Console – Advanced Console, Video Wall (4 x 40” HD LCD /
Plasma Monitors), Surface Communications, Manipulator
Control Options
- Tether Management System – Tophat, 440 m tether