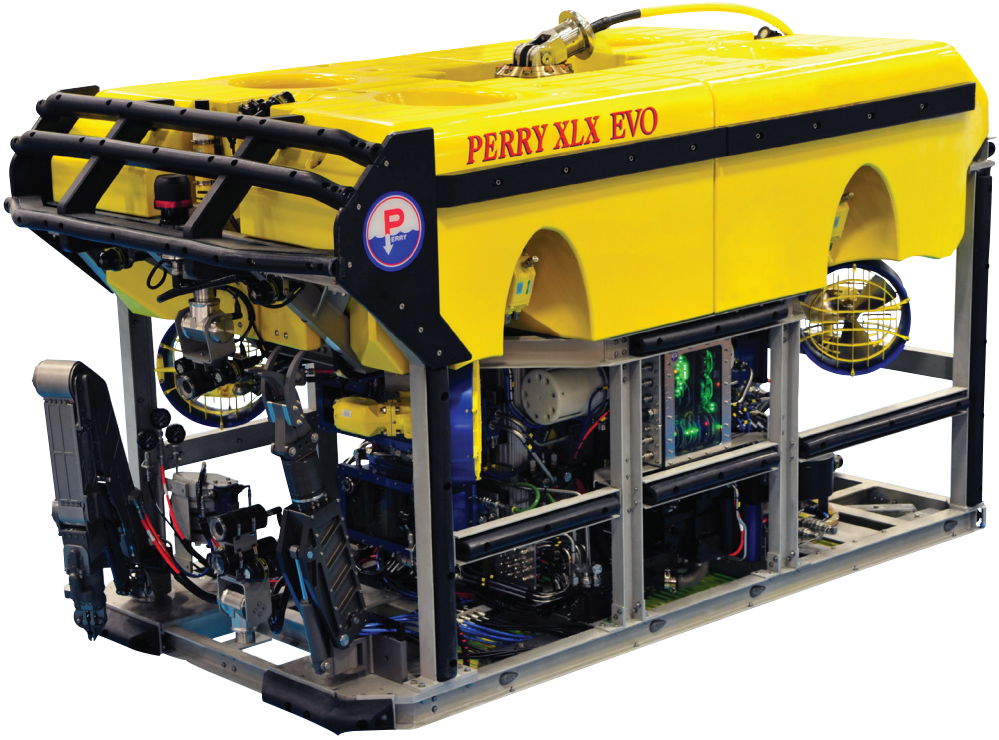
Perry® XLX Evo

FORUM ENERGY TECHNOLOGIES

200 HP Heavy Duty Work Class ROV



Heavy Work Class ROV

The Perry® XLX Evo is a heavy-duty work-class hydraulic ROV, complementing the Perry® XLX-C series of medium-duty work-class ROVs.

The Perry® XLX Evo ROV system represents the latest evolution in the highly successful Perry® XL series. The XLX Evo features significantly enhanced performance across the full range of demanding intervention and survey tasks without compromise to the outstanding reliability for which the XL series of vehicles is renowned throughout the world.

Heavy Duty Work Class ROV

Depth Rating	3000 or 4000 msw
Power	200 hp shaft
Through Frame Lift	3000 kg
Control System	ICE™ Real Time Control System with GHz Optical Link, Ethernet Telemetry and Graphical Diagnostics
Control Modes	Heading, Depth, Altitude, Park & Dynamic Positioning
Payload Capacity	300-250 kg

Perry® XLX*Evo*

Specifications

Dimensions & Performance

Length:	3605 mm
Width:	1905 mm
Height:	2282 or 2333 mm inc. skids
Depth Rating:	3000 or 4000 m
Weight in Air:	5500-5850 kg
Payload Capacity:	300 or 250 kg
Through Frame Lift:	3000 kg
Power Pack:	200 shp (60 Hz) (215 electric hp)
Main Hydraulic System:	242 L/min @ 240 bar 320 L/min @ 186 bar
Auxiliary Hydraulic System	242 L/min @ 240 bar
Thrusters Horizontal:	4 x Ø380 mm
Thrusters Vertical:	4 x Ø300 mm
Bollard Pull-Nominal	
Forward:	1050 kgf
Lateral:	1050 kgf
Vertical:	940 kgf
Surface Speed (theoretical)	
Forward:	4.0 knots
Lateral:	3.2 knots
Vertical:	3.4 knots

Auto Functions
(Heading, Depth, Altitude, Park, Dynamic Position)

Heading Control:	± 1.0°
Pitch & Roll Control:	± 5.0°
Depth Control:	±150 mm
Altitude Control:	±150 mm

Typical Equipment

- Cameras — 8 Cameras (low light, colour, zoom, light ring, HD (3 max), etc.)
- Lights — 6 individually dimmable lights
- Pan & Tilts — 2 fwd Hydraulic SA-A-5735-MAS
- Obstacle Avoidance Sonar
- Heading, Pitch & Roll Sensor (FOG)
- Depth Sensor Digiquartz (±0.01%)
- Doppler Velocity Log
- Main Valve Pack — 16 x NG3
- Auxiliary Valve Pack — 10 x NG3 + 2 x NG6
- 7 Function Manipulator
- 5 Function Grabber
- RF Beacon, Emergency Xenon Flasher

Video, Serial, Power & Fibre Optic Channels

- Standard Definition Real-time Composite Video Channels (8)
- Individually dimmable light channels (6)
- Dedicated serial and power channels for Controls, Valve Packs, Gyro, Depth, Altimeter/DVL, OA Sonar, Manip & Resp. Trigger
- Spare RS232/RS485 Serial Channels (8 typ)
- Singlemode Fibres: to Vehicle (2), to TMS (1)
- Spare CWDM Channels (12)
- Current Monitoring & Protection on each Power Channel

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.

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Control System

- Utilizes the revolutionary ICE™ Integrated Control Engine
- Fully redundant Windows® based HMI Computers
- Dedicated real-time controllers
- Intuitive Graphic User Interface (GUI)
- Advanced interactive graphical diagnostics
- User configurable GUI
- Ergonomic pilot/co-pilot control consoles combining touch screen and physical switch control interfaces
- Video Wall (9 x 24" HD LCD Monitors)

Typical Surface Power Distribution

- 225 kVA Transformer for Vehicle Hydraulics
- 8.5 kVA Transformer for Vehicle Electronics
- 15 kVA Transformer for TMS-HPU
- 1.5 kVA Transformer for TMS Electronics
- Ground fault detection circuits
- Deck cable interface
- CB, O/L and current/voltage sensors/meters

System Options

- High Flow VP — Bidirectional 4-Station (25, 75 or 140 L/min, each proportional pressure & flow)
- Water Filter — Cardev (Main and Auxiliary)
- High speed data — Gigabit Ethernet/PECL Interfaces for Multibeam sonars, Profilers, etc.
- Survey JB — RS232/RS485 & power channels (16), camera channels (adds 4), light channels (6), space for high bandwidth interfaces
- High power lights, Aft P&T, Emergency Radio Beacon, Transponders, Torque Tools, Cutters, Grippers, IHPU,Hooks, etc.
- Standard Definition, High Definition and Stills Cameras

Workskids

- Survey & Bathymetric suites
- Jetting Module
- Tool Interface Module
- Suction Pile System
- Variable Ballast Module

Control

- Advanced Console or Integrated Control Chairs
- Large Video Wall (12 x 24" HD LCD Monitors)
- Sonar Computer, Keyboard & Topside Processor Unit
- 4 Channel DVR unit
- Wired/Wireless Deck Communications
- 3D Training Simulator with General & User Specific Scenarios

Tether Management System

- Top hat or Garage
- Type 4 up to 440 m of Ø35 mm / 760 m of Ø27 mm Tether
- Type 5 up to 760 m of Ø35 mm / 1155 m of Ø27 mm Tether
- Type 6 up to 1025 m of Ø35 mm / 1530 m of Ø27 mm Tether

Main Umbilical – Armoured or Soft

Surface Handling

- A-Frame/Cursor/Crane Jib Head Pulley Systems
- Winch

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