

Medium Duty Work Class ROV



Medium Sized Work Class ROV

The Perry® XLX-C is a compact heavy-duty work-class hydraulic ROV, complementing the Perry® XLX-Evo 150-250 series of larger heavy-duty work-class ROVs.

The Perry® XLX-C ROV system represents the latest evolution in the highly successful Perry® XL series. The XLX-C 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.

Medium Sized Work Class ROV

Depth Rating	3000 msw (option for 4000 msw – size, weight and payload same as 3000 m)
Power	150 hp
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	200 kg

Perry® XLX-C

Specifications

Dimensions & Performance

Length,	standard:	2800 mm
	Statoil config.	2500 mm
Width:		1700 mm
Height:		1900 mm (2000 mm over bumper)
Depth Rating:		3000 m (4000 m option)
Weight in Air:		4200 kg
Payload Capacity:		200 kg
Through Frame Lift:		3000 kg
Fwd Lower Load Capacity:		250 kg at 250 mm
Fwd Upper Load Capacity:		250 kg at 500 mm
Aft Load Capacity:		300 kg at 500 mm
Sides Load Capacity:		150 kg at 250 mm
Power Pack:		150 shp
Main Hydraulic System:		Typ. 238 L/min @ 230 bar (60 Hz)
Thrusters Horizontal:		4 x 300 mm
Thrusters Vertical:		3 x 300 mm
Bollard Pull-Nominal		(with 60 Hz supply)
Forward:		800 kgf
Lateral:		800 kgf
Vertical (lift/dive):		700 kgf / 550 kgf
Surface Speed-theoretical		(with 60 Hz supply)
Forward:		3.5 knots
Lateral:		2.8 knots
Vertical:		3.0 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

Standard Equipment

- Cameras Up to 8 Cameras (EMCCD/SIT equiv./near SIT low light B/W, colour, zoom/fixed, manip cam, light ring, HD (3 max), etc.)
- Lights Up to 6 individually dimmable lights
- Pan & Tilts Hydraulic SA-A-5735-MAS (2 fwd.)
- Obstacle Avoidance Sonar or multibeam acoustic camera
- Heading, Pitch and Roll Sensor (FOG)
- Depth Sensor (±0.01%)
- Main Valve Pack Bidirectional 10-Station (12 L/min, each proportional flow, overall pressure)
- 7 Function Manipulator Schilling Titan 4
- 5 Function Grabber Schilling Rigmaster
- 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 (7 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 ICETM 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
- 230 kVA steady state load
- Ground fault detection circuits
- Deck cable interface
- CB, O/L and current/voltage sensors/meters

System Options

- Auxiliary Hydraulic System (120 L/min @ 207 bar, 60 Hz)
- Aux. Valve Pack Bidirectional 10-Station (12 L/min, each proportional flow, overall pressure)
- High Flow VP Bidirectional 2 or 4-Station (25, 75 or 140 L/min, each proportional pressure & flow, integrated torque tool control)
- Water Filter Cardev (Main and Auxiliary)
- Survey JB RS232/RS485 & power channels, camera channels, light channels, space for high bandwidth interfaces
- High speed data Gigabit Ethernet/PECL Interfaces for Multibeam sonars, Profilers, etc.
- Integrated Tool Basket, 150 kg capacity, 630W x 640L x 150D
- North seeking Gyro / INS
- Transponders / responders

Workskids (not supplied)

- 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 440m of Ø35mm / 750m of Ø27mm Tether
- Type 5 up to 750m of Ø35mm / 1150m of Ø27mm Tether

Main Umbilical – Armoured or Soft

Surface Handling

- A-Frame / Cursor / Crane Jib-head Pulley
- Winch

