

**MEDIUM DUTY WORK CLASS ROV**

# PERRY XLX-C08

(Year built 2019)

**DEVELOPED FOR**

- ◆ Heavy Construction Support
- ◆ Platform, Pipeline & Cable Inspection
- ◆ Platform, Pipeline & Cable Maintenance
- ◆ Subsea Intervention
- ◆ Submarine / Maritime Rescue
- ◆ Drilling Support & Intervention Operations
- ◆ Pre/Post surveys
- ◆ Route, Site & UXO Survey
- ◆ Installation Support
- ◆ Pipeline & Cable Lay Clearance Inspection

**ROV INTRODUCTION**


The Perry® XLX-C is a compact heavy-duty work-class hydraulic ROV, complementing the Perry® XLXEvo 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.

**REMOTELY OPERATED VEHICLE (ROV)**

<b>Class</b>	Medium Duty Work Class	<b>Dimensions</b>	2800 mm (L) - Statoil config 2500 mm
<b>Depth Rating</b>	3000 msw (option for 4000 msw – size, weight and payload same as 3000 m)		1700 mm (W)
<b>Power</b>	150 hp		1900 mm (H) - Over bumper 2000 mm
<b>Through Frame Lift</b>	3000 kg	<b>Bollard Pull</b>	Forward 800 kgf
<b>Control System</b>	ICE™ Real Time Control System with GHz Optical Link, Ethernet Telemetry and Graphical Diagnostics	(with 60Hz supply)	Lateral 800 kgf
<b>Control Modes</b>	Heading, Depth, Altitude, Park & Dynamic Positioning		Vertical (lift/dive) 700 kgf / 550 kgf
<b>Payload Capacity</b>	200 kg	<b>Surface Speed</b>	Forward 3.5 knots
<b>Weight In Air</b>	4200 kg	(with 60Hz supply)	Lateral 2.8 knots
<b>Auto Functions</b>	(Heading, Depth, Altitude, Park, Dynamic Position)		Vertical 3.0 knots
<b>Heading Control</b>	± 1.0°	<b>Load Capacity</b>	Forward Lower 250 kg at 250 mm
<b>Pitch &amp; Roll Control</b>	± 5.0°		Forward Upper 250 kg at 500 mm
<b>Depth Control</b>	± 150 mm		Aft 300 kg at 500 mm
<b>Altitude Control</b>	± 150 mm	<b>Main Hydraulic</b>	Type 238 L/min @ 230 bar (60 Hz)
		<b>Thrusters</b>	Horizontal 4 x 300 mm
			Vertical 4 x 300 mm

## STANDARD EQUIPMENT

<b>Cameras</b>	Up to 8 Cameras (EMCCD/SIT equiv./near SIT low light B/W, colour, zoom/fixed, manip cam, light ring, HD (3 max), etc.)
<b>Lights</b>	Up to 6 individually dimmable lights
<b>Pan &amp; Tilts</b>	Hydraulic SA-A-5735-MAS (2 fwd.)
<b>Depth Sensor</b>	± 0.01%
<b>Main Valve Pack</b>	Bidirectional 10-Station (12 L/min, each proportional flow, overall pressure.
<b>Manipulators</b>	7 Function Manip. Schilling Titan 4 5 Function Grab. Schilling Rigmaster

- ◆ Obstacle Avoidance Sonar or multibeam acoustic camera.
- ◆ Heading, Pitch and Roll Sensor (FOG).
- ◆ RF Beacon, Emergency Xenon Flasher.

## SYSTEM OPTIONS

- ◆ Auxiliary Hydraulic System (120 L/min @ 207 bar, 60 Hz).
- ◆ North seeking Gyro / INS.
- ◆ Transponders / responders.

<b>Auxiliary Valve Pack</b>	Bidirectional 10-Station (12 L/min, each proportional flow, overall pressure)
<b>High Flow VP</b>	Bidirectional 2 or 4-Station (25, 75 or 140 L/min, each proportional pressure & flow, integrated torque tool control)
<b>Water Filter</b>	Cardev (Main and Auxiliary)
<b>Survey JB</b>	RS232/RS485 & power channels, camera channels, light channels, space for high bandwidth interfaces
<b>High speed data</b>	Gigabit Ethernet/PECL Interfaces for Multibeam sonars, Profilers, etc.

<b>Workskids (not supplied)</b>	<ul style="list-style-type: none"> <li>◆ Survey &amp; Bathymetric suites.</li> <li>◆ Jetting Module.</li> <li>◆ Tool Interface Module.</li> <li>◆ Suction Pile System.</li> <li>◆ Variable Ballast Module.</li> </ul>
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## VIDEO - SERIAL - POWER & FIBRE OPTIC

- ◆ Standard Definition 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

## 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.
- ◆ Video Wall (9" x 24" HD LCD Monitors).
- ◆ Ergonomic pilot/co-pilot control consoles combining touch screen and physical switch control interfaces.

## 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.

## TETHER MANAGEMENT SYSTEM (TMS)

<b>Model</b>	Top hat
<b>Tether length</b>	Type 4 up to 440m of Ø35mm Tether Type 4 up to 750m of Ø27mm Tether Type 5 up to 750m of Ø35mm Tether Type 5 up to 1150m of Ø27mm Tether
<b>Dimensions</b>	1971 mm (L) x 2021 mm (W) 2204 mm (H)
<b>Weight</b>	3130 kg

## WINCH

<b>Main Umbilical</b>	Armored
<b>Umbilical Length</b>	2300 mts
<b>Dimensions</b>	3240 mm (L) x 3783 mm (W) 4082 mm (H)
<b>Weight</b>	25550 kg

## HYDRAULIC POWER UNIT (HPU)

<b>Type</b>	Hydraulic Power Unit
<b>Dimensions</b>	2362 mm (L) x 1439 mm (W) 2235 mm (H)
<b>Weight</b>	3700 kg

## CONTROL VAN SPECIFICATION

<b>Type</b>	20ft Container A60 Control Cabin DNV Compliant Std
<b>Dimensions</b>	6000 mm (L) x 2500 mm (W) 2900 mm (H)
<b>Weight</b>	12000 kg Gross
<b>Incoming Power</b>	400 VAC & 3Ø50Hz & 200 KW
	<ul style="list-style-type: none"> <li>◆ Advanced Console or Integrated Control Chairs.</li> <li>◆ Large Video Wall (12" x 24" HD LCD Monitors).</li> <li>◆ Sonar Computer, Keyboard &amp; Topside Processor Unit.</li> <li>◆ 4 channel DVR unit.</li> <li>◆ Wired/wireless Deck Communications.</li> <li>◆ 3D Training Simulator with General &amp; User Spec. Scenarios</li> </ul>

## OFFICE

<b>Address</b>	02nd floor, 11 Nguyen Cong Tru Street District 1, Ho Chi Minh City, Vietnam.
<b>Tel</b>	+84 28 3914 3982
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<b>Web</b>	<a href="http://www.saigonnewport.com.vn">http://www.saigonnewport.com.vn</a>

## LAUNCH & RECOVERY SYSTEM (LARS)

<b>Model</b>	A-Frame
<b>Dimensions</b>	8017 mm (L) x 3638 mm (W) x 3201 mm (H)
<b>Weight</b>	27216 kg

## DECK PACK

<b>Type</b>	Deck Pack Control
<b>Dimensions</b>	1372 mm (L) x 1028 mm (W) 1145 mm (H)
<b>Weight</b>	1021 kg

## STORE VAN SPECIFICATION

<b>Type</b>	20ft Container A60 Container DNV Compliant Std
<b>Dimensions</b>	6000 mm (L) x 2500 mm (W) 2900 mm (H)
<b>Weight</b>	12000 kg

## ROV WORKSHOP

<b>Address</b>	No. 69, 30/4 Street, Thang Nhat Ward Vung Tau City, Ba Ria Vung Tau Province, VN.
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