

# XLX EVO III

## Ultra Heavy-Duty Work-Class ROV

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

The XLX EVO III has a new CNC machined frame with larger thrusters, increased payload & through frame lift as well as our latest control system "ICE Unity" facilitating Remote Operations with further updates to be released in the future. The system also incorporates an improved buoyancy package providing 500kg of payload.



|                           |  |
|---------------------------|--|
| <b>Depth</b>              | 3000 m   4000 m  |
| <b>Max. power</b>         | 200 hp (150 kW)  |
| <b>Dimensions</b>         | (L/W/H) mm: 3600   1900   2200   |
| <b>Weight In Air</b>      | 5500 kg  |
| <b>Payload</b>            | 500 kg   |
| <b>Through Frame lift</b> | 4000 kg  |
| <b>Bollard Pull</b>       | 1200 kg  |
| <b>Control System</b>     | ICE® Unity featuring:<br>Remote operations - Real time transfer of control and data off site<br>Streamlined controls and UI - common across all FET vehicles<br>Historian - shows history of status of vehicle, machine learning identifies trends<br>Chair or Console configuration |



# XLX EVO III

## General Specifications

Depth: 3000 m / 4000 m  
 Power: 200 hp (150 kW)  
 Dimensions: (L/W/H) mm: 3600 / 1900 / 2200  
 ROV Weight in Air: 5500 kg  
 Frame SWL: 10000 kg  
 Frame Guidelines: DNV, Lloyd's Register CLAME  
 Payload Capacity: 500 kg Total (300 kg Fwd, 200 kg aft)  
 Through Frame Lift: 4000 kg  
 Fwd Upper Load Capacity: 300 kg at 500 mm  
 Fwd Lower Load Capacity: 300 kg at 500 mm  
 Aft Load Capacity: 500 kg at 500 mm  
 Side Load Capacity: 250 kg at 250 mm  
 Thrusters Horizontal: 4 x Ø420 mm  
 Thrusters Vertical: 4 x Ø300 mm  
 Forward Bollard Pull: 1200 kgf  
 Lateral Bollard Pull: 1200 kgf  
 Vertical Bollard Pull: 940 kgf

## Hydraulic System

Main Hydraulic System: 320 L/min @ 240 bar  
 Main Valve Pack Bidirectional 10-Station  
 (12 L/min, proportional flow)  
 Auxiliary Hydraulic System: 238 L/min @ 240 bar  
 Aux. Valve Pack Bidirectional 10-Station  
 (12 L/min, proportional flow)  
 High Flow VP Bidirectional 2 or 4-Station  
 (25, 75, 140 or 150 L/min)

## Electrical System

Core Junction Box  
 12 x SD Camera Ports (up to 4 HD upgradeable)  
 6 x Light Ports  
 12 x RS232 / RS485 Serial Channels  
 4 x Gigabit Ethernet Ports  
 Survey Junction Box  
 8 x SD Camera Ports (Optional HD Upgrade)  
 6 x Light Ports  
 16 x RS232 / RS485 Serial Channels

## Equipment Fit

Cameras: 8 SD Cameras (HD Camera Upgrade available –  
 3 HD & 5 SD)  
 Lights: 12 individual dimmable lights  
 Pan & Tilts: 2 Hydraulic or Electric  
 Sonar  
 Heading, Pitch & Roll Sensor  
 Depth Sensor  
 Doppler Velocity Log  
 7 Function Manipulator (master slave control)  
 5 Function Grabber  
 RF Beacon, Emergency Xenon Flasher

The above specifications are subject to final configuration.

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The specification details are illustrative and are 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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## Surface Control

FET Advanced Control Chairs or Advanced Control Console  
 ICE Unity Surface Control System  
 4 x 43" HD 4K Monitors  
 Black Magic Video Distribution  
 Remote Operations  
 VisualSoft DVR Unit  
 Auto Functions  
 Heading Control:  $\pm 0.5^\circ$   
 Pitch & Roll Control:  $\pm 2.0^\circ$   
 Depth Control:  $\pm 100$  mm  
 Altitude Control:  $\pm 100$  mm  
 Auto Position  $\pm 100$  mm  
 (Achievable with suitable sensor e.g. SPRINT-Nav 300)

## Vans

20' x 8' A60 Control Van to DNV 2.7.1  
 20' x 8' A60 Workshop Van to DNV 2.7.1

## TMS System

Top Hat TMS:  

- Perry Type 5 up to 750m of Ø35mm / 1150m of Ø27mm Tether
- Perry Type 6 up to 1000m of Ø35mm / 1500m of Ø27mm Tether

## Handling System

FET Dynacon A-frame / Winch / EHPU