

# DIVERSE MARINE BREVITY CLASS XL CTV

Offshore Wind Crew Transfer Vessel



The Diverse Marine Brevity XL Class CTV is a pioneering crew transfer vessel design that refines the formula for offshore wind support.

Developed off the back of thirteen years of data and experience in offshore wind vessel design, alongside extensive dialogue and collaboration with CTV operators, wind farm owners and turbine manufacturers, the Diverse Marine Brevity XL responds directly to the needs of the end user with higher cargo capability, higher internal volume, greater accommodation and more fuel capacity than the Brevity SL class.

The vessel is sized to be capable and effective in the challenging conditions in the ever-growing offshore wind market. Surpassing the capability that has been achieved by the previous generation of vessels operating offshore. It builds on lessons learnt supporting European projects throughout construction and operation/maintenance.

Available as Quad IPS, Quad Hybrid IPS, Twin IPS Professional Hybrid, Twin CPP, Twin CPP Hybrid and in the future, alternative fuels, leading to full electric to cater for different end user requirements and budgets.

# DIVERSE MARINE BREVITY CLASS XL CTV

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## GENERAL

Construction Material Aluminium  
 Superstructure Mounting Resilient <60bDa  
 Classification Bureau Veritas  
 1+ Hull • Mach Wind Farm  
 Service Ship-SI Sea Area 3  
 UK MCA High Speed Code

## DIMENSIONS

Length Overall 27.20m  
 Length Between Perps 25.79m  
 Beam Overall 9.40m  
 Depth at F22 4.48m  
 Maximum Draft 1.80m  
 Lightship Displacement 81.00T  
 Deadweight 42.00T  
 Fully Laden Displacement 123.00T  
 Cargo Area 80m<sup>2</sup>  
 Deck Load 1.5T/m<sup>2</sup>  
 Crew 3-4  
 Industrial Personnel 24

## TANK CAPACITIES

Marine Gas Oil 34 m<sup>3</sup>  
 Fresh Water 2 m<sup>3</sup>  
 Grey Water 0.5 m<sup>3</sup>  
 Black Water 0.5 m<sup>3</sup>  
 Bilge/Dirty Water 0.7 m<sup>3</sup>  
 AdBlue/UREA 2 m<sup>3</sup>

## PROPULSION (Base Vessel)

Main Engines 4 x Volvo Penta IPS1050  
 Installed Power 2352kW  
 Exhaust IMO Tier 3  
 Gearboxes 4 x Volvo Penta IPS 1.99:1  
 Propulsion 4 x Volvo Penta IPS30 Drives  
 Propellers 8 x Volvo Penta Q3  
 Speed Sprint 28.0 kts (Condition 4)  
 Speed Service 24.0 kts (Condition 3)

## ELECTRICAL EQUIPMENT

Network 24v DC, 400/230V 50Hz AC  
 Generator Sets 2 x BETA GEN40 39kW

## DECK EQUIPMENT

Anchor 1 x 150kg SHHP  
 Anchor Winch Hercules AAW-150  
 Deck Crane TMP 900XL  
 Bow Centre Fender Buoyant Works  
 Bow Shoulder Fender Buoyant Works  
 Side Fender Buoyant Works  
 Pressure Washer 30-200 bar, 400v, 16l/min FW/SW  
 Fuel Transfer System Integrated, Below Deck Reel

## FIRE FIGHTING

Engine Space FirePro Aerosol  
 Fire Pump 2 x DESMI 416l/min, 400v  
 Loose Extinguishers Class/Flag Requirements

## ACCOMMODATION

Main Deck 3 x Twin Cabins (6 Berth)  
 3 x Heads/Shower Spaces  
 24 x KPM DS100 c/w 4 Point  
 1 x Full Galley  
 1 x PAX Storage Rack  
 DM Command Console  
 4 x KPM DS100 c/w 4 Point  
 1 x Chart Table Area  
 1 x Crew Mess Area  
 1 x Tea Station (Quooker/Fridge)  
 Wheelhouse  
 Air Conditioning Toshiba Air Cooled  
 Heating Reverse Cycle Air Con, Underfloor Heating Throughout

## NAVIGATION & COMMUNICATION

Main Radar Furuno FAR2218B  
 Main Electronic Chart Furuno FMD3100  
 Second Radar Furuno DRS4DNXT  
 Second Electronic Chart Furuno Time Zero Dual TZ Pro Work  
 Third Electronic Chart Furuno Timezero PC  
 Monitors 2 x Hatteland 19"  
 2 x Furuno MU190  
 1 x Hatteland 24"  
 1 x 15" EMS  
 Navtex Furuno NX900B  
 DGPS Furuno GPI70  
 AIS Furuno FA170 Class A  
 Compass Furuno SC70 Satellite  
 Communication 2 x Icom GM600 Class A  
 MF/HF 1 x Icom GM800 Class A  
 GMDSS 3 x Jotron Tron TR30  
 Log 1 x Walker 7070  
 Autopilot Volvo Penta  
 Talkback Phontec 3102 20 Way  
 Echosounder Furuno FE800  
 SART 2 x Jotron Tron AIS SART  
 EPIRB 1 x Jotron Tron 60 AIS EPIRB  
 Horn Kahlenberg KB-30A (with signals)  
 CCTV 18 x IP67 HD Camera + NVR  
 Internet Starlink Satellite Array (free issue)  
 Peplink 5G Modem  
 Passenger Entertainment 2 x 32"TV, Freeview & Radio/DAB

