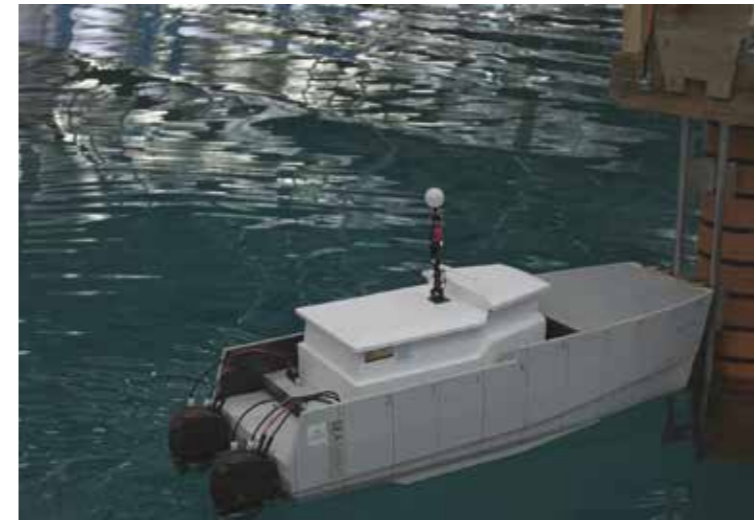


DIVERSE MARINE CHARTWELL DAUGHTER CRAFT

Offshore Wind 12m Offshore DC/Nearshore CTV

04-2025



Validated Performance

The Daughter Craft hull design has been independently validated using the latest computational fluid dynamics (CFD) modelling methods, coupled with thorough scale free running model tank testing. Combined, these processes constitute the most rigorous and scientific testing approach for any offshore wind daughter craft design to date.



The interior of the Daughter Craft has been designed and outfitted using the same general principles of the Diverse Marine CTV's to provide a high quality, low maintenance and light weight finish. Sprung seating is provided for each passenger and seating configured to maximise comfort. A raised bridge area provides the crew with all essential controls. IPS propulsion provides low noise levels in the passenger saloon.

Diverse Marine works with Chartwell Marine to produce pioneering daughter craft that are amongst the greenest in the industry, with inboard propulsion systems fitted with IMO Tier 3 exhaust aftertreatment to reduce emissions.

The Daughter Craft can serve as a nearshore CTV as well as an offshore daughter craft operating from an SOV/CSOV mothership in conjunction with a single point lift davit system. The design has been extensively tested using CFD model testing and tank testing to develop a highly efficient craft that can perform at a higher level than its peers, providing high levels of passenger comfort during passage with several motion softening features, along with a high bow with low propulsor that ensures class leading access levels.

Available with Volvo Penta IPS propulsion, Volvo Penta DPI stern drive propulsion or a Hamilton Waterjet propulsion system, all with optional hybrid solutions, featuring electric motors and battery storage to meet any operational requirement.



The main deck has been configured to be flush and step free after ascending the fully protected steps from the saloon to the main deck. All deck equipment is mounted beneath the main deck to avoid trip hazards and large flush strut assisted hatches in the main deck provide high storage levels for kit bags and maintenance components. A full width Buoyant Works cupped bow fender solution ensures high grip and assists safer transfers.

DIVERSE MARINE CHARTWELL DAUGHTER CRAFT

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GENERAL

Construction Material	Aluminium
Superstructure Mounting	Resilient
Classification	Optional
Flag	UK MCA or Gibraltar GMA
	Workboat Edition 3 Category 2
	Tender Type 3

DIMENSIONS

Length Overall	12.2m
Length Hull	12.0m
Beam Overall	4.1m
Depth at Amidships	1.3m
Maximum Draft	0.8m excl. propulsor
Lightship Displacement	12.1t
Max Laden Displacement	15.0t
Crew	2
Industrial Personnel	12

TANK CAPACITIES

Marine Gas Oil	0.85 m ³
Fresh Water	0.1 m ³
Black Water	0.1 m ³
AdBlue/UREA	0.1 m ³

PROPULSION (Base Vessel)

Main Engines	4 x Volvo Penta IPS500
Installed Power	560kW
Gearboxes	2 x Volvo Penta IPS 1.85:1
Propulsion	2 x Volvo Penta IPS10 Drives
Propellers	8 x Volvo Penta Q2
Speed Sprint	28.0 kts (Condition 4)
Speed Service	23.0 kts (Condition 3)

ELECTRICAL EQUIPMENT

Network	24v DC, 230V 50Hz AC
Generator Set	1 x Fisher Panda 5000i 5kVA

DECK EQUIPMENT

Anchor	1 x 25kg Delta Type
Anchor Winch	Maxwell HRC10-10
Bow Centre Fender	Buoyant Works
Bow Shoulder Fender	Buoyant Works
Side Fender	Buoyant Works
Deck Wash	230v, 80l/min SW
Single Point Lift	Henriksen HMKRHB-15
Painter Release	Henriksen

FIRE FIGHTING

Engine Space	STAT-X
Fire Pump	KPM 500 Rescue Pump Kit
Loose Extinguishers	Class/Flag Requirements

ACCOMMODATION

Main Deck	12 x Grammer Sprung Pax Seats
	2 x Grammer Sprung Crew Seats
	1 x Heads/Emergency Shower Space
	1 x PAX Storage Rack
Air Conditioning	Dometic DTGX-12 Water Cooled
Heating	Reverse Cycle
	1kW Electric Panel

NAVIGATION & COMMUNICATION

Main Radar	Raymarine AXIOM 12MFD
	Raymarine QUANTUM 18"
Main Electronic Chart	Raymarine AXIOM 12MFD
Additional Monitors	1 x Beetrionics 7"
Navtex	Furuno NX900
DGPS	Raymarine
AIS	Raymarine AIS4000
Compass	Airmar GH2183
Communication	2 x Icom GM600 Class A
Sat Phone	1 x Iridium GMDSS LT3100S
Autopilot	Volvo Penta
Talkback	Furuno LH-5000
Echosounder	Airmar SS60
CCTV	4 x IP67 HD + NVR

