



# SPEED - ACCESS - COMFORT

## WAVECRAFT™ series – Sprinter 28

Sprinter series is a new-generation of high-speed crew transfer vessel ideally developed to meet the needs of the offshore renewable energy sector. Sprinter is designed to expand operational window, maximize turbine accessibility and increase productivity of O&M personnel. When the distance from harbor is far and the operational weather window is narrow, Sprinter craft offer a long-range, economical, commercially feasible and safe alternative.

Based on proven surface-effect ship (SES) and air-cushion catamaran technologies, robust, lightweight composite and slender hull construction, the vessel sits on a cushion of pressurized air, which lifts it out of the water. Active vertical motion control system substantially minimizes vessel's vertical motion by adjusting wave-induced pressure fluctuations in the cushion. When approaching a turbine, the boarding control system (BCS™) is activated, significantly reducing heave and pitch motions. This enables personnel to safely and simply step onto the turbine.

Sprinter series offers speed up to 50 knots, safe boatlanding up to 2,5mHs excellent maneuverability, exceptional seakeeping, passenger comfort, significantly reduced seasickness and safe boarding capabilities.

## ADDED VALUE

- Transit time reduction
- Improved technician safety, well-being and efficiency
- Effective working hours and increased operational window
- Maximized turbine accessibility
- Reduced O&M costs

## CLASSIFICATION

DNVGL ✱ 1A1 HSLC R1 Windfarm Service/

DNVGL ✱ 1A1 HSLC R1 Crew Windfarm (gbr)

Other Class society notations can be offered on owners request.



**STRONG** performance **LIGHT** materials

## GENERAL

Hull material	Composite Sandwich Materials
Main operation	Crew Transfer Vessel –12h/24-7
Passengers/Industrial personell	24-50
Crew	3-6
<b>Boatlanding</b>	<b>Up to 2,5mHs</b>

## MAIN CHARACTERISTICS

Length overall	27,6 m
Length between P.P	23,4 m
Length WL	24,7 m
Width overall	10,4 m
Draught off cushion	2,0 m
Draught on cushion	0,8 m
Dead weight	15 ton

## PERFORMANCE\*

Max. speed	50 kn
Cruising speed	44 kn
Cruising speed @ 1,5m Hs	35 kn

## ECONOMY OPERATION

Economy speed @ 85 % MCR	44 kn
Fuel consumption	20 l/nm
Range @ 12m <sup>3</sup>	600 nm

## MACHINERY

Main engines	4 x 809 kW
Aux. engines	2 x 44 kW
Lift fan engines	2 x 360 kW
Propulsion	Water jets

Also available in dual engines and hybrid solution.



## CAPACITIES

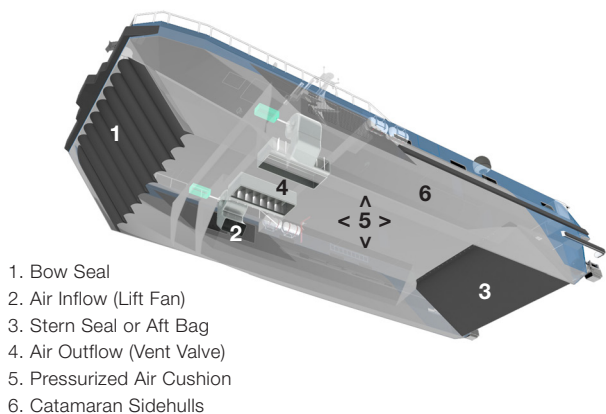
Fuel oil	12 m <sup>3</sup>
Fresh water	1 m <sup>3</sup>
Grey water	1 m <sup>3</sup>
Black water	0,5 m <sup>3</sup>
Ballast (seawater trim)	4 m <sup>3</sup>
Fuel oil transfer for trimming of vessel	

## DECK

Cargo crane - SWL	480kg @ 5.7m
Cargo capacity	2 ton
Deck load	1.0 ton/m <sup>2</sup>
Storage capacities on deck	30 m <sup>2</sup>
Lashing points in cargo zone	
Storage capacity for charterer	



## AIR-CUSHION CATAMARAN CONCEPT



1. Bow Seal
2. Air Inflow (Lift Fan)
3. Stern Seal or Aft Bag
4. Air Outflow (Vent Valve)
5. Pressurized Air Cushion
6. Catamaran Sidehulls

## ELECTRONIC AND NAVIGATIONAL EQUIPMENT

AIS	Crewfinder system
Radar X band	CCTV
Electronic chart	Video Screens
Internet	GMDSS A1/A2
VSAT	

## LSA

SB Rescue Sling operated by single man or Man over Board system with rescue net SART, Helicopter hoisting rescue area



**WAVE**  
**CRAFT™**

v.1 \* Vessels final performance may change due to customers requirements.

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