



# BIBBY WAVEMASTER HORIZON



SERVICE OPERATION VESSEL  
WITH WALK TO WORK  
GANGWAY SYSTEM

LAUNCHED 2019

## GENERAL

Yard number	553021
Delivery date	Q3-2019
Basic functions	To provide stepless access onto windfarm assets for technicians, tools and parts by access system, crane and daughter craft. Purpose-built for long-term O&M charter in North Sea offshore wind farms.
Classification	DNV-GL ✕ IAI, Offshore Service Vessel, COMF(C-2, V-2), DYNPOS(AUTR), Clean, SF, E0, DK(+), SPS, NAUT(OSV-A), BWM(T), Recyclable, BIS, Crane
Flag	UK MCA, SPS 2008 Code
Owner	Bibby Marine Services Ltd.
Charterer (long-term)	Siemens Gamesa Renewable Energy and EnBW.

## DIMENSIONS

Length overall	89.65	m
Beam moulded	20.00	m
Depth moulded	8.00	m
Draught base (u.s. keel)	4.80 (6.30)	m
Gross Tonnage	6100	GT

## CAPACITIES

Ballast water	1130	m <sup>3</sup> incl.roll reduction tank
Fuel oil (service + cargo)	545 + 345	m <sup>3</sup>
Fr. water (potable + cargo)	180 + 430	m <sup>3</sup>
Deadweight	2139	t at design draught 4.65m
Cargo weather deck area	425	m <sup>2</sup>
Covered warehouse areas	390	m <sup>2</sup> i(6 x 20ft cont.)
Max.deck load	600	t at max.1 m ab.deck
Dangerous Goods	Helifuel in up to 3 transportable tanks. Packaged DG (not for trade) in paint/IMDG store and modular COSHH containers.	

## PERFORMANCES

Speed @ summer draught)	13.0 / 12.0	kn max / eco
ERN*	99,99, 97, 96	
Endurance	30	days

## PROPULSION SYSTEM

Main engines	Diesel-electric, 690 V, 60 Hz
Propulsion power	2x azi thruster (ducted, FP) 2150 kW
Bow thrusters	2x 860 kW fixed + 1x 860 kW retractable

## ELECTRICAL EQUIPMENT

Networks	690 V, 440 V and 230 V - 60 Hz
Main generator sets	4 pcs. – total installed electric power 6434 ekW
Power philosophy	4-split main busbar with 2-split low-load mode offering low FO burn, engine fouling and wear.

## DECK LAY-OUT

Gangway access system	3D motion-compensated gangway SMST, height-adjustable stepless over 10m. Gangway operator station on the bridge.
Offshore crane	Offshore knuckleboom crane 2t, 3D motion compensated @ max. 25m outreach.
Lift	1 ton lift for continuous access for personnel and trolleys between warehouse, weather deck and WTG via gangway.
Daughter craft	Mare Safety 11m high-speed windfarm service boat for 10 technicians, 2 crew + 1t cargo. Operability up to 1.2m Hs.
Helicopter facilities	Winch-only area on foreship.
CTV landing facilities	1 fixed steel CTV landing structure at stern for transfer of technicians and cargo.
Lifesaving	Rescueboat and liferafts for total 60PAX

## ACCOMMODATION

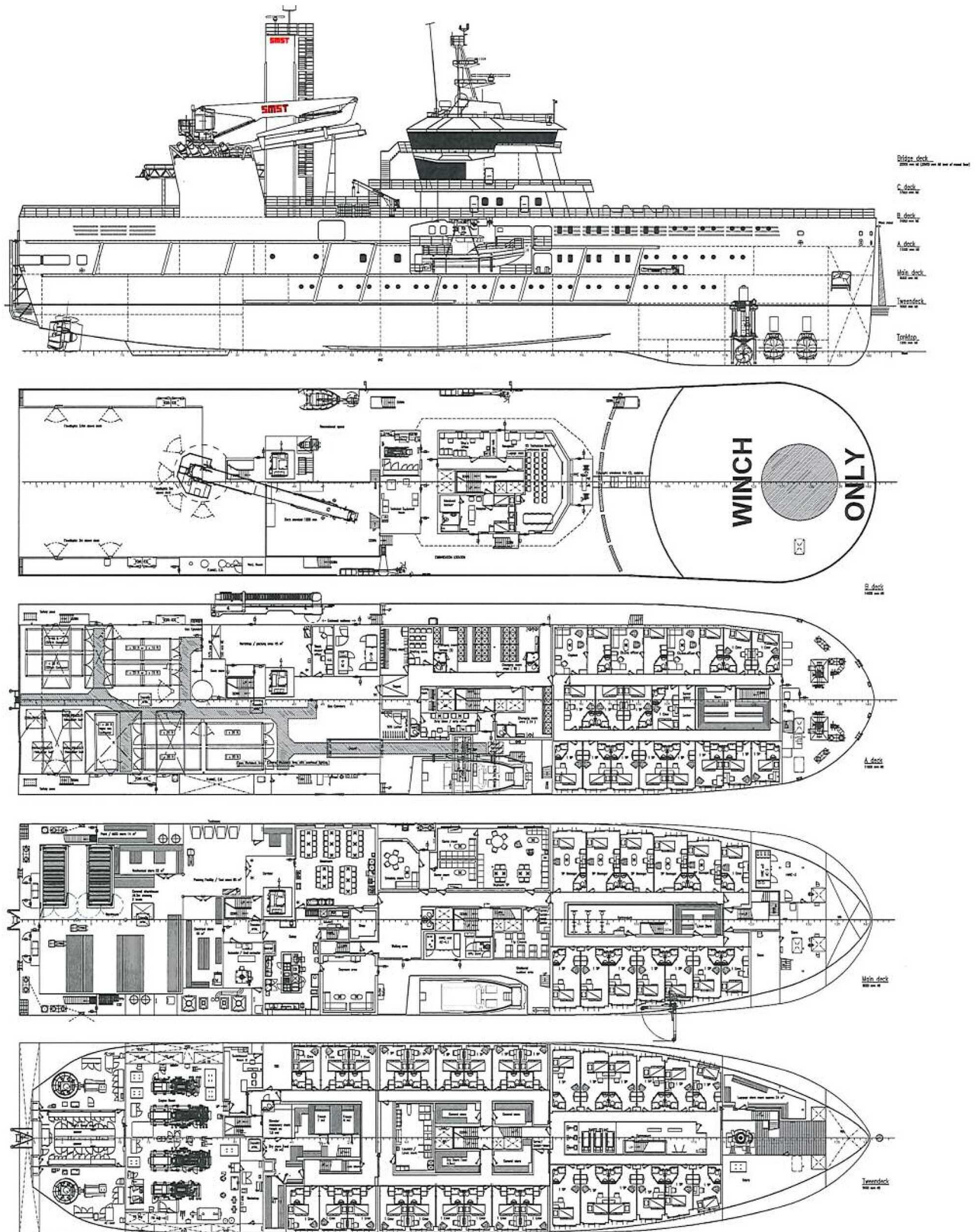
Crew/ special personnel	Total 60 cabins for up to approx. 20 crew and up to approx. 40 SP, all in single cabins. All cabins provided with WiFi, LAN, telephone and audio / video entertainment (Video-on-Demand and sat. TV).
Other facilities	4 Offices (12 desks) and 1 briefing room (25 seats) / conference room (10 seats) for Charterer's use. 2 Recr.-dayrooms, 2 game rooms, cinema, smoker's lounge, reception, hospital, drying room, changing rooms (M/F), large gym.

## NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	Radar X-band + S-band, ECDIS, Conning, GMDS Area 1, 2 and 3.
DP – system	DP-2 with Laser, beaconless radar and 2xDGPS pos.ref.sys. Fitted with wind farm route planning tool and high-speed autotrack DP.
Communication	VSAT, 4G coverage, portable DECT-telephones in Charterer areas.



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