

Service Operations Vessel 9020

BIBBY WAVEMASTER HORIZON



» PICTURE OF SIMILAR VESSEL

GENERAL

Yardnumber	553021
Delivery date	October 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 * 1A1, 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
Design draught	4.65	m
Gross Tonnage	6262	GT

CAPACITIES

Ballast water	1180	m ³ incl. roll reduction tank
Fuel oil (service + cargo)	545 + 345	m ³
Fr. water (potable + cargo)	180 + 430	m ³
Deadweight	2139	t at design draught 4.65m
Cargo weather deck area	425	m ²
Covered warehouse areas	390	m ² (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 @ design draught	13.5 / 11.5	kn max / eco
ERN*	99, 99, 97, 96	
Endurance	30	days

PROPULSION SYSTEM

Main propulsion	Diesel-electric, 690 V, 60 Hz
Propulsion	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 – 60Hz
Main generator sets	4 pcs.- total inst. generating 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. Winch-only area on foreship.
Helicopter facilities	1 fixed steel CTV landing structure at stern for transfer of technicians and cargo.
CTV landing facilities	
Lifesaving	Rescueboat and liferafts for total 60PAX

ACCOMMODATION

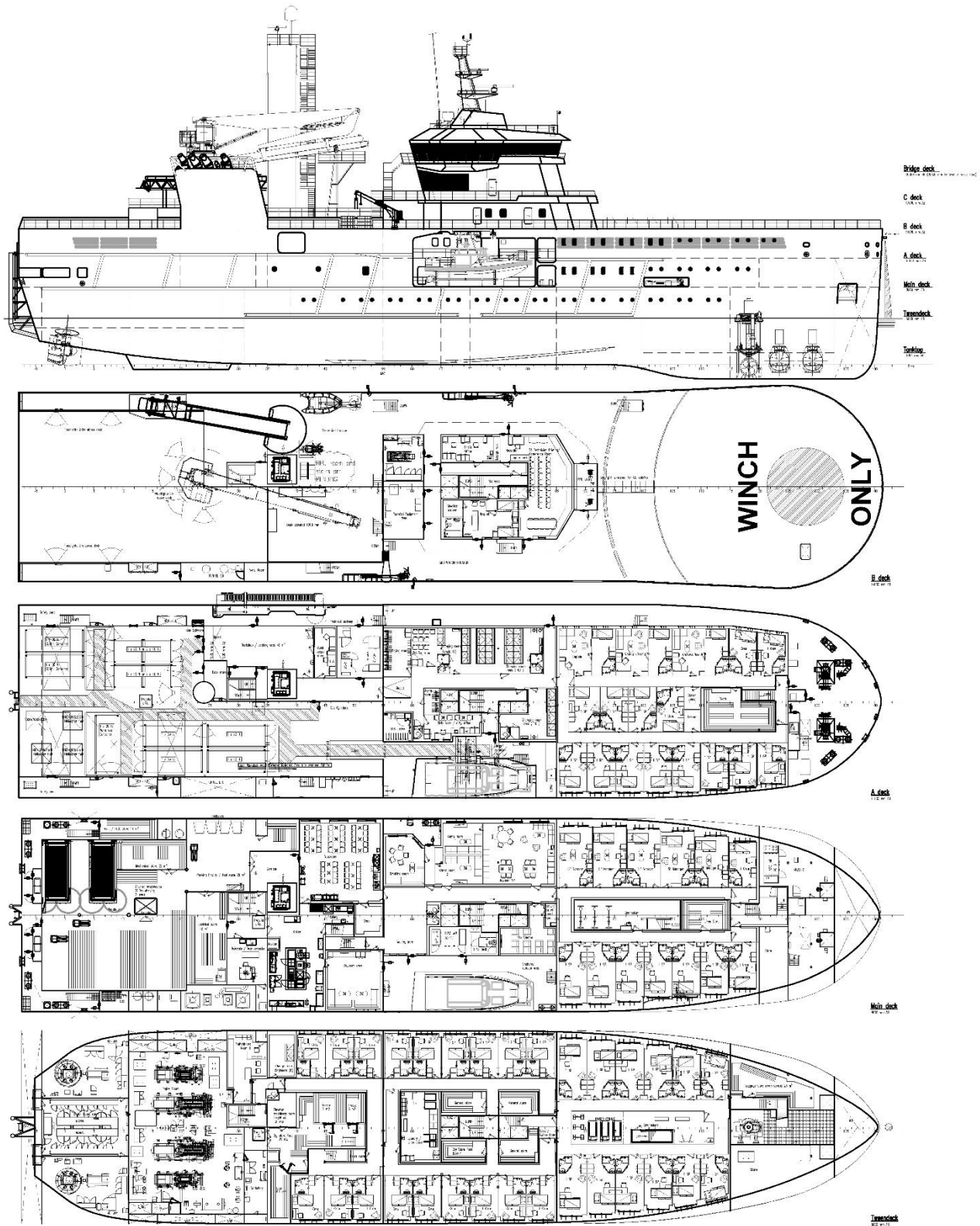
Crew/ special personnel	Total 60 cabins for up to approx. 20 crew and up to approx. 40 SP, all in single cabins. All cabins provided with WiFi, LAN, telephone and audio / video entertainment (Video-on-Demand and sat. TV). 4 Offices (12 desks) and 1 briefing room (25 seats) / conference room (10 seats)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

NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	Radar X-band + S-band, ECDIS, Conning, GMDSS 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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