

Service Operations Vessel 9020

BIBBY WAVEMASTER 1



▶ PICTURE OF SIMILAR VESSEL

GENERAL

Yardnumber	553016
Delivery date	August 2017
Basic functions	To provide stepless access onto windfarm assets for technicians, tools and parts by access system, crane and daughter craft. In both Construction Support and Service Operations.
Classification	DNV-GL Maritime, notation: ⚠ 1A1, Offshore Service Vessel, COMF(C-2, V-2), DYNPOS(AUTR), Clean, SF, E0, DK(+), SPS, NAUT(OSV-A), BWM(E), Recyclable, BIS, HELDK, Crane
Flag	UK MCA, SPS 2008 Code
Owner	Bibby Marine Services Ltd.

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 ³ incl. roll red.tank
Fuel oil (service + cargo)	545 + 345	m ³
Fr. water (potable + cargo)	180 + 430	m ³
Deadweight	2200	t at design drt 4.65m
Cargo weather deck area	425	m ² (11 x 20ft cont.)
Covered warehouse areas	390	m ² (6 x 20ft cont.; level floors)
Max.deck load	600	t at max. 1 m ab.deck
Dangerous Goods	Helifuel in up to 6 transportable tanks. Packaged DG (not for trade) in paint/IMDG store.	

PERFORMANCES

Speed @ summer draught	13.6 / 12.0	kn max / eco
ERN*	99;99;98;97	
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 Uptime
Adj. gangway pedestal	For height adjustment of gangway centre platform.
Offshore crane	Knuckleboom crane 2t AHC up to 1.5m Hs / 5t max SWL
Lift	2 ton lift connecting 6 access levels for continuous access between warehouse, weather deck and WTG (3 levels) via optional gangway.
Daughter craft	Tuco 11m windfarm service boat. Operability up to 1.2m Hs
Helicopter deck	D-factor 21 m, max. take-off weight 12t, day- and night landings. Stepless access from warehouse area to helideck via lift.
CTV landing facilities	1 fixed steel landing at stern. 1 removable aluminum landing SB / PS. CTV refueling at CTV landing to SB.
Tugger winch	One tugger winch, pull 5t + wire sheaves on weather cargo deck.
Lifesaving	Lifeboats and liferafts for total 90PAX

ACCOMMODATION

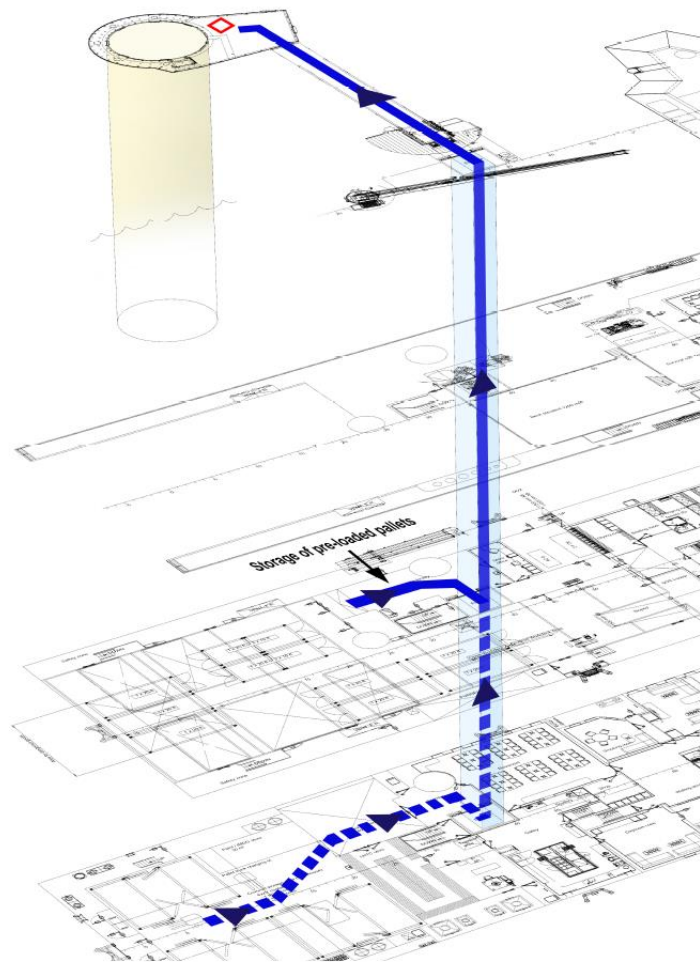
Crew/ special personnel	Total 60 cabins for up to approx. 20 crew in single cabins and up to 70 SP in 10 single + 30 double cabins. All cabins provided with WiFi, LAN, telephone and audio / video entert. (Video-on-Demand and sat. TV).
Other facilities	6 Offices (13 desks) and 2 meeting/conference rooms for Charterer's use. 2 Recr.-dayrooms, reception, hospital, drying rooms (M/F), changing rooms (M/F), wellness area (gym and sauna).

NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	Radar X-band + S-band, ECDIS, Conning, GMDSS Area 1, 2 and 3.
DP-system	DP-2 with Laser, Radar and 2xDGPS pos.ref.sys. Fitted with wind farm route planning tool and high-speed autotrack DP.

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