**ACCOMMODATION SUPPORT VESSEL 9020**

**BIBBY WAVEMASTER 1**

**GENERAL**

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, COMP(C-2, V-2), DYNPOS(AUTR), Clean, SF, DK(+), SPS, NAUT(OSV-A), BWME(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 m³ incl. roll red.tank
Fuel oil (service + cargo) 545 + 345 m³
Fr. water (potable + cargo) 180 + 430 m³
Deadweight (depending on options selected) 2300 t at design draught 4.65m

**PERFORMANCES**

Speed @ summer draught 13.0 / 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 azl thruster (ducted, FP) 2150 kW ea
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 for height adjustment of gangway centre platform.
Adj. gangway pedestal
Offshore crane
Knboom crane 2t AHC up to 1.5m Hs / 5t max SWL
Lift
2 tonne 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 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 alum. landing SB / PS.
CTV refueling at CTV landing to SB.
Tugger winch
One tugger winch , pull 5t + wire sheaves on weather cargo deck.

**ACCOMMODATION**

Crew / special personnel Total 60 cabins for up to approx 20 crew and up to approx. 40 SP in single cabins or approx. 70 SP in single+ double cabins.

All cabins provided with WiFi, LAN, telephone and audio / video entert. (VOD 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.

**OPTIONS**

Targetless DP pos.ref.system
Offshore crane upgrade
Knboom crane upgrade up to 24t max SWL at 15m onboard lift. AHC or 3D-MC on request.

**OPTIONS**

Guidance Marine RangeGuard.

Knboom crane upgrade to 24t max SWL at 15m onboard lift. AHC or 3D-MC on request.
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