PICTURE OF SIMILAR VESSEL

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, COMF(C-3, V-3), DYNPOS(AUTR), Clean, SF, ED, DK(+), SPS, NAUT(OSV-A), BWM(T), Recyclable, Crane

Flag
Owner

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
Fr. water (potable + cargo) 180 + 430 m³
Deadweight (depending on options selected) 2300 t at design dr. 4.65m,
Cargo weather deck area 425m² (11 x 20ft cont.)
Covered warehouse areas 390m² (6 x 20ft cont.; level floors)
Max.deck load 1 m.ab.deck 600 t

DANGEROUS GOODS

Helifuel in up to 6 transportable tanks. Packaged DG (not for trade) in paint/IMDG store.

PERFORMANCES

Speed @ summer draught 13.0 / 12.0 kn max / eco
ERN* 99,99,98,97
Endurance 30 days

PROPELLION SYSTEM

Main propulsion Diesel-electric, 690 V, 60 Hz
Propulsion 2x azi 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 6450 ekW (option: 3pcs with hybrid drive)
Power philosophy 4-split main busbar with options for closed-bus DP mode and hybrid drive battery package, offering low FO burn, engine fouling and wear.

DECK LAY-OUT

Lift
2 tonne lift connecting 4 access levels (option: 6) for continuous access between warehouse, weather deck and WTG via optional gangway.

Pedestals
- for optional crane
- for optional gangway system

Helicopter winch area
- on foreship, stepless access to warehouse, hospital. Option: helideck D-size 21m

CTV landing facilities
1 fixed steel landing at stern.
1 removable alum. landing SB / PS.

ACCOMMODATION

crew / special personnel 15-20x crew, 40-45x SP, all single cabins provided with WiFi, LAN, telephone and audio / video entert. (VOD and sat. TV),
up to 6 Offices and 5 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. With wind farm route planning and high-speed autotrack.

OPTIONS

Offshore crane
up to 6, 3D motion compensated crane.

Gangway access system
3D motion-compensated gangway from several OEM.

Height adj. gangway pedestal

Hybrid drive
Battery package replacing one genset. Total inst. gen. power 9500 ekW.

CTV refueling
at CTV landing to SB.

Targetless DP pos.ref.system
Guidance Marine RangeGuard.

Tuco 11m windfarm, service boat.

Upgrade of nr of POB to 90
Double occup. of 30 SP-cabins; lifeboats.

Upgrade winch area to Helicopter deck

Upgade of nr of POB to 90
Upgrade winch area to Helicopter deck

HELDERK

ACCOMMODATION SUPPORT VESSEL 9020
STANDARD

Damen holds a leading position in the design and construction of Accommodation Support Vessels.

The Damen Accommodation Support Vessels are custom built 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.

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