



SERVICE OPERATIONS VESSEL 5717

GENERAL

All data are preliminary and subject to change.

Basic functions	To provide stepless access onto Offshore Wind Farm assets for technicians, tools and parts by access system, crane and daughter craft, mainly in Service Operations.
Classification	BV I + Hull + Mach, Wind Farms Service Ship L2, SP(60) Unrestricted Navigation, + AUT-UMS / Inwatersurvey / SDS + Dynapos AM/AT -R / Comf-Noise 3 Green Passport EU, Protected FO tanks, Electric Hybrid (PB)

DIMENSIONS

Length overall	57.00 m
Beam moulded	17.00 m
Depth moulded	6.40 m
Max. draught base / keel	4.40 m

CAPACITIES

Fuel oil	Approx. 250 m ³
Potable water	Approx. 100 m ³
Deadweight (depending on options selected)	Approx. 800 t at 5.0m draught,
Cargo weather deck area	Approx. 250 m ² (5 x 20ft cont.)
Covered warehouse areas	Approx. 330 m ² maindeck 170 m shelf length, 2 levels charterer's workshop
Max. weatherdeck load	70 t at 1m above deck
Dangerous Goods	Packaged DG in paint / IMDG store. DG container on weatherdeck t.b.d.

PERFORMANCES

Speed @ summer draught	12.0 / 10.0 kn max / eco
Endurance	22 days
Station keeping	<ul style="list-style-type: none"> DP2 up to and incl. 6Bf wind, 2m Hs, 1.5kn current, from <u>±30 deg</u> ahead or astern.

PROPULSION SYSTEM

Main propulsion	Diesel-electric, 440 V, 60 Hz
Thrusters	4x identical azimuthing thrusters with ducted fixed pitch propellers (1 on each corner of the vessel)

ELECTRICAL SYSTEM

Networks	440 V and 230 V – 60Hz
Main generator power	total installed appr. 3.0 eMW
Main switchboard arr.	Closed-bus DP2 operations, Battery-hybrid

DECK LAY-OUT

CTV landing facilities	1 fixed landing at vessel stern with height adjustable platform for stepless personnel transfer
Daughter craft	Space reserved for optional 11m windfarm service boat and LARS. Separate SOLAS rescueboat, or optional FRC and LARS.
Facilities	<ul style="list-style-type: none"> knuckleboom crane to lift up to 1t cargo on/off CTV foredeck refuelling of DC in stowed position and of CTV at CTV landing.

ACCOMMODATION

Cabins	Max. 50 cabins for max. 60 persons on board.
Charterer's personnel	typically 25-30 charterer's personnel in single cabins, some of which may be fitted with Pullman bunk for dual occupation. Cabins have direct daylight, ensuite bath room, desk, lounge chair and telephone. Optional facilities include WiFi, LAN, and audio/video entertainment.
Crew	typically 18 to 20 crew, accommodated in single / double cabins
Facilities	2 Client offices with large windows and 2x 6p Client meeting / conference rooms. Lounge room / restaurant, game room, cinema, reception and waiting area, hospital, changing area M/F with drying room, gym.

NAUTICAL AND COMMUNICATION EQUIPMENT

Nautical	Radar X-band + S-band, ECDIS, Conning, GMDSS Area 1, 2 and 3, Personnel tracking system.
DP-system	DP-2 with 3 pos.ref.systems: (targetless) laser and 2xDGPS. With wind farm route planning and high-speed autotrack mode.

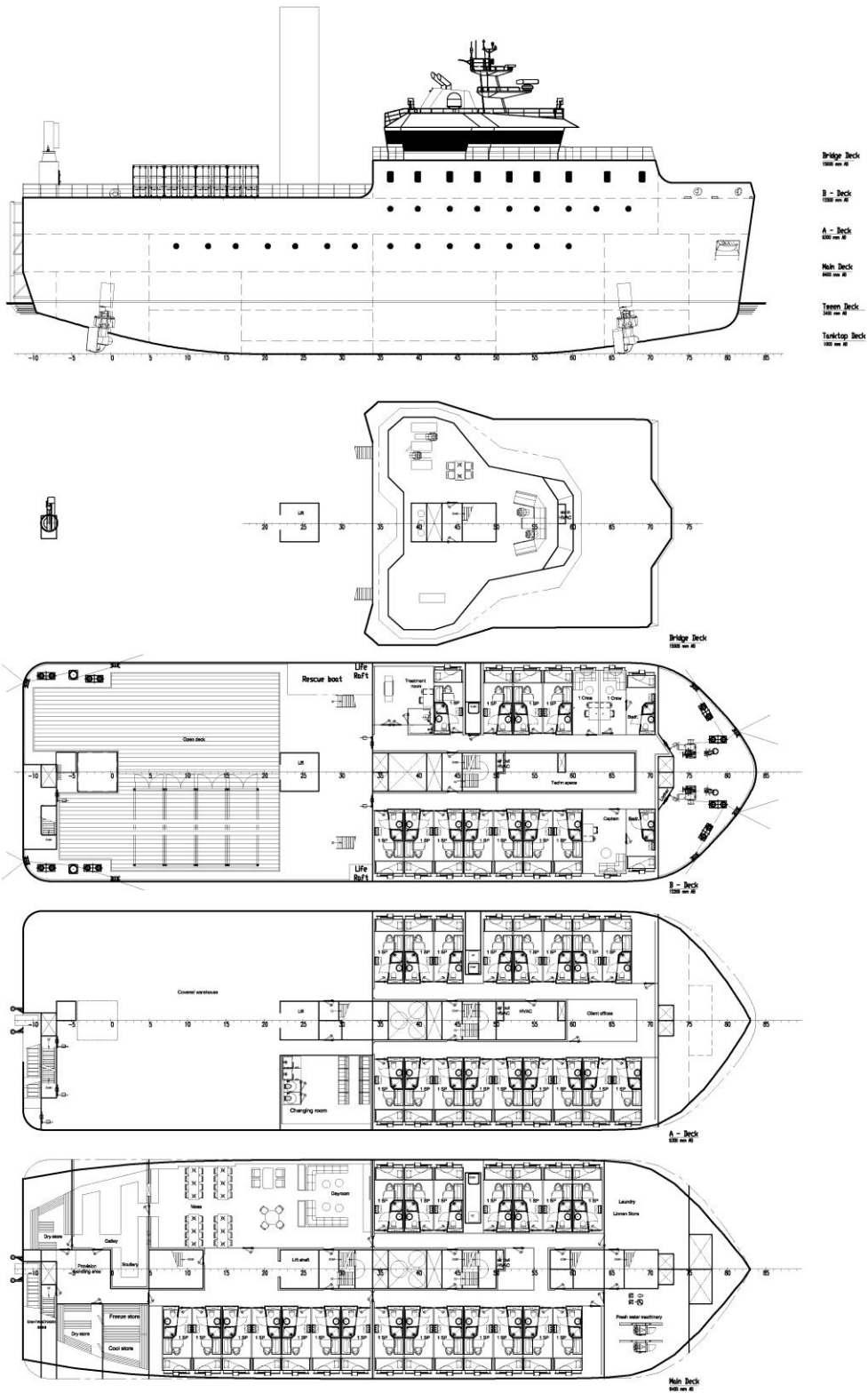
MISSION EQUIPMENT (not incl. in base price)

Integrated lift and access system	Lift offering stepless and continuous access for personnel and trolleys between warehouse, weather deck, helideck and gangway. Gangway operates to PS only. Optionally gangway may operate both PS and SB side.
Offshore crane	either 3D motion compensated of AHC. Arranged for load cases: <ul style="list-style-type: none"> 2t active heave-comp. onto TP at >10m safe distance 4t at 6m distance onto quay (PS) in harbour mode.
Daughter craft	1x 11m daughter craft and LARS, choice of leading OEM. Capacity: up to 10 SP + 2crew; cargo 3 europallets up to 1.0t total weight

OPTIONS

Monitoring facilities	Vessel motion monitoring and reporting, wave monitoring and reporting, POB / mustering system .
Network and communication	VSAT, WiFi, LAN, 4g signal coverage, DECT portable telephones, video conference system.
Entertainment	Audio and video (Video-on-demand and sat. TV).
DP position reference system	RangeGuard MonoPole ; Scenescan MonoPole

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DAMEN SHIPYARDS GROUP

Avelingen-West 20
4202 MS Gorinchem
The Netherlands

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 22
fax +31 (0)183 63 21 89

info@damen.com
www.damen.com

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