ACCOMMODATION SUPPORT 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 / Comt-Noise 3
Green Passport EU, Protected FO stores, 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 m³

Potable water
Approx. 100 m³

Deadweight (depending on options selected)
Approx. 800 t at 5.0m draught,
Approx. 600 t at 8.0m draught

Cargo weather deck area
Approx. 250 m² (5 x 20ft cont.)

Covered warehouse areas
Approx. 330 m² maindeck
170 m shelf length, 2 levels charterer’s workshop

Max. weatherdeck load
7 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
• DP2 up to and incl. 6Bt wind, 2m Hs, 1.5kn current, from +/-30 deg 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 1.1m windfarm service boat and LARS. Separate SOLAS rescueboat, or optional FRC and LARS.
• 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
Max. 50 cabins for max. 60 persons on board.
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 bathroom, desk, lounge chair and telephone. Optional facilities include WIFI, LAN, and audio/video entertainment.
Typically 18 to 20 crew, accommodated in single / double cabins
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
21 active heave-comp. onto TP at >10m safe distance
4t at 6m distance onto quay (PS) in harbour mode.

OPTIONS
Monitoring facilities
Vessel motion monitoring and reporting, wave monitoring and reporting, POB / musterling system , VSAT, WIFI, LAN, 4g signal coverage, DECT portable telephones, video conference system.
Audio and video (Video-on-demand and sat. TV).
RangeGuard MonoPole ; Scenescan MonoPole