

EQUIPMENT SHEET

BOKA SUB C

DP3 CONSTRUCTION SUPPORT VESSEL



CONSTRUCTION / CLASSIFICATION

Vessel built by	Factorias Vulcano S.S.
Year of built	2007
Place Built	Vigo, Spain
Type	DP3 Construction Support Vessel
Design	VS 4201 OCV
Classification	I ✱ Hull ✱ Mach Offshore Support Vessel Supply, Tug, SP, Unrestricted Navigation COMF-NOISE 3, COMF-VIB 3, ✱ AUT-UMS, MON-SHAFT, CLEANSHIP, ✱ HEL, ✱ DYNAPOS AM/AT R, SDS
IMO	927 51 53
Flag	Cyprus
Call Sign	5BEH6

MAIN DATA

Gross Tonnage	16,562 GT
Net Tonnage	4,969 NT
Length overall	138.5 m
Breadth moulded	30.6 m
Depth main deck	11.6 m
Max draught	8.8 m

FEATURES

Accommodation	Cabins: 57 single + 48 double All cabins are equipped with WC and shower. The vessel has two day rooms along with non-smoking and smoking lounges, cinema and gymnasium. Air conditioning throughout the vessel accommodation.
ROV operations	The vessel has two (2) WROV hangars, 1 sb. side and 1 port side. Both WROVs are Oceaneering Millenium Plus design with cages rated to 3,000 m water depth. The WROV control room and workshop are integrated in the vessel super-structure. Both WROVs are equipped with a guided launch and recovery system.
Helideck	The helideck is designed for Super Puma EC225 & Sikorsky S92/61 N
Moon pool	The vessel is outfitted with a moon pool of 7.20 m x 7.20 m

MAIN CRANE (400 T AHC)

Main hoist

Working depth 3,000 m

Max working radius 42 m

Max. height of hook (above deck) 53 m

AUX hoist (20 t AHC)

Working depth 3,000 m

Max radius 45.5 m

Certified for Man Riding.

STERN CRANE (30 T AHC)

Working depth 1,900 m

Max working radius 20 m

Max. height of hook (above deck) 25 m

Certified for Man Riding.

PROVISION CRANE

Max. capacity 14 t

Max. working radius 22 m

Min. working radius 4 m

DECK AREA

Free deck space 2,004 m²
The vessel has 3 large storage holds under the working deck with access through 6 x 6 m hatches

Deck strength The deck is reinforced for a specific load of 15 t/m² from Aft to frame 96 and aft.

Height of cargo rail 3.20 m (port side)
SB side removable bullwark

DYNAMIC POSITIONING SYSTEM

DP System Kongsberg (KPOS) DP control system

Main bridge KPOS DPC-21

Emergency bridge KPOS DPC-11

SENSORS AND REFERENCE SYSTEM

DGPS 1 Fugro Seastar, DGNSS, Fugro 9410

DGPS 2 Fugro Seastar, DGNSS, Fugro 9410

DGPS 3 Kongsberg Seapath 380-5 HMI bridge

Wind sensor No.1&2 Gill Ultrasonic sensor, OMC 139

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Wind sensor No.3 Observer Instruments, OMC-160-3

HiPaP 2 x 501

Kongsberg Spot Track

3 MRU

ANCHOR HANDLING & TOWING EQUIPMENT

AHT 600/500/500 three-drum anchor handling /towing winch consisting of:

1 x anchor handling drum 600 t SWL

Inner diameter 3,500 mm

Flange diameter 7,200 mm

Width of drum 5,790 mm

Capacity 3,500 m of 100 mm diameter wire

2 x towing secondary winch 500 t SWL

Inner diameter 1,500 mm

Flange diameter 3,850 mm

Width of drum 2,960 mm

Capacity 3,500 m of 90 mm diameter wire

Wildcats for chain diameter ranging from 70 mm to 150 mm

PERFORMANCE

Type of fuel MGO

Bollard pull 220 t

NAVIGATION EQUIPMENT

Gyro compass 3 x Anschutz Standard 22 Compact

Radar 1 x Raytheon Anschutz Synapsis Radar N Autoscan NX X-Band NB 45-014
1 x Raytheon Anschutz Synapsis Radar N Autoscan NX S - Band NB 45-014

Ecdis Bridge Station 2 x Anschutz Synapsis ECDIS NB44-014

Echo Sounder 1 x Skipper GDS - 102

AIS system Furuno AIS FA-170

Automatic Pilot 1 x Anschutz Adaptive Digital Autopilot NautoPilot 2035

DECK

Moon pool 7.2 x 7.2 m

Shark jaws 2 x 750 t SWL hydraulic wire and chain stoppers (Karm Forks)

Hydraulic towing pins 2 x sets for bollard pull 300 t operated from bridge locally

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MULTIPURPOSE DP3 OFFSHORE CONSTRUCTION VESSEL

Stern roller	2 x 750 t downward pull (4.5 m diameter and width each of 4.0 m)
Capstans	2 x 15 t
Tugger Winches	2 x 20 t

MACHINERY & PROPULSION

Main engines	2 x 5,760 kW 4 x 2,880 kW
Total capacity	23,040 kW
Harbour/emergency generator	1 x 915 kW
Propeller diameter	4.4 m Each propellor is driven by 2 x 3,300 kW electric motors
Rudders	2 x Ulstein Hinze Rudders HLR-S 2700

THRUSTERS

Bow thrusters

Tunnel Brunvoll	1 x 1,800 kW
Combined tunnel/ Azimuth Brunvoll	1 x 2,150 kW
Azimuth Brunvoll	1 x 2,150 kW

Stern thrusters

Tunnel thruster	2 x Brunvoll 1,425 kW The tunnel thruster fwd is resiliently mounted
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CAPABILITIES

Capacity

DWT at 8,8 m draught	11,128 t
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Tank capacity

Fuel oil	3,386 m ³
Fresh water	1,425 m ³ (grand total)
Ballast water	10,625 m ³
Chain lockers	2 x 314.8 m ³ 2 x 312.6 m ³ 2 x 315.3 m ³
Lube oil	77 m ³
Hydraulic oil	53 m ³
Oily water drain tank	23 m ³
Sewage tank	79 m ³
Grey water tank	100 m ³
Sludge tank	65 m ³
Waste oil tank	74 m ³

FW generator	2 x ENWA MT35 SRH 230, production 35 t/day each at +25°C
Incinerator	TeamTeac GS 500C

COMMUNICATION EQUIPMENT

Satellite communications terminal

Marlink V-Sat with dual antenna configuration

Radio communications

MF/HF Systems	Sailor 6301
VHF Systems	5 x Sailor VHF 2 x Sailor Repeater VHF
Helicopter Comms	4 x ICOM IC-A120 E +3 ICM IC-A16 Beacon- Southern Avionics SA-100 (250 KHz to 1250 KHz)
Emergency Comms	3 x Tron VHF hand-held watertight: Tron TR20/FBH4 406 MHz EPIRB

RESCUE & LIFE SAVING EQUIPMENT

In accordance with flag state and Solas requirements.

Lifeboats	2 each with a capacity for 105 persons
MOB boat	1
Liferafts with MES	2 x 150 persons
Lifejackets	150
Survival suits	150

MISCELLANEOUS

The vessel has excellent office and conference facilities:

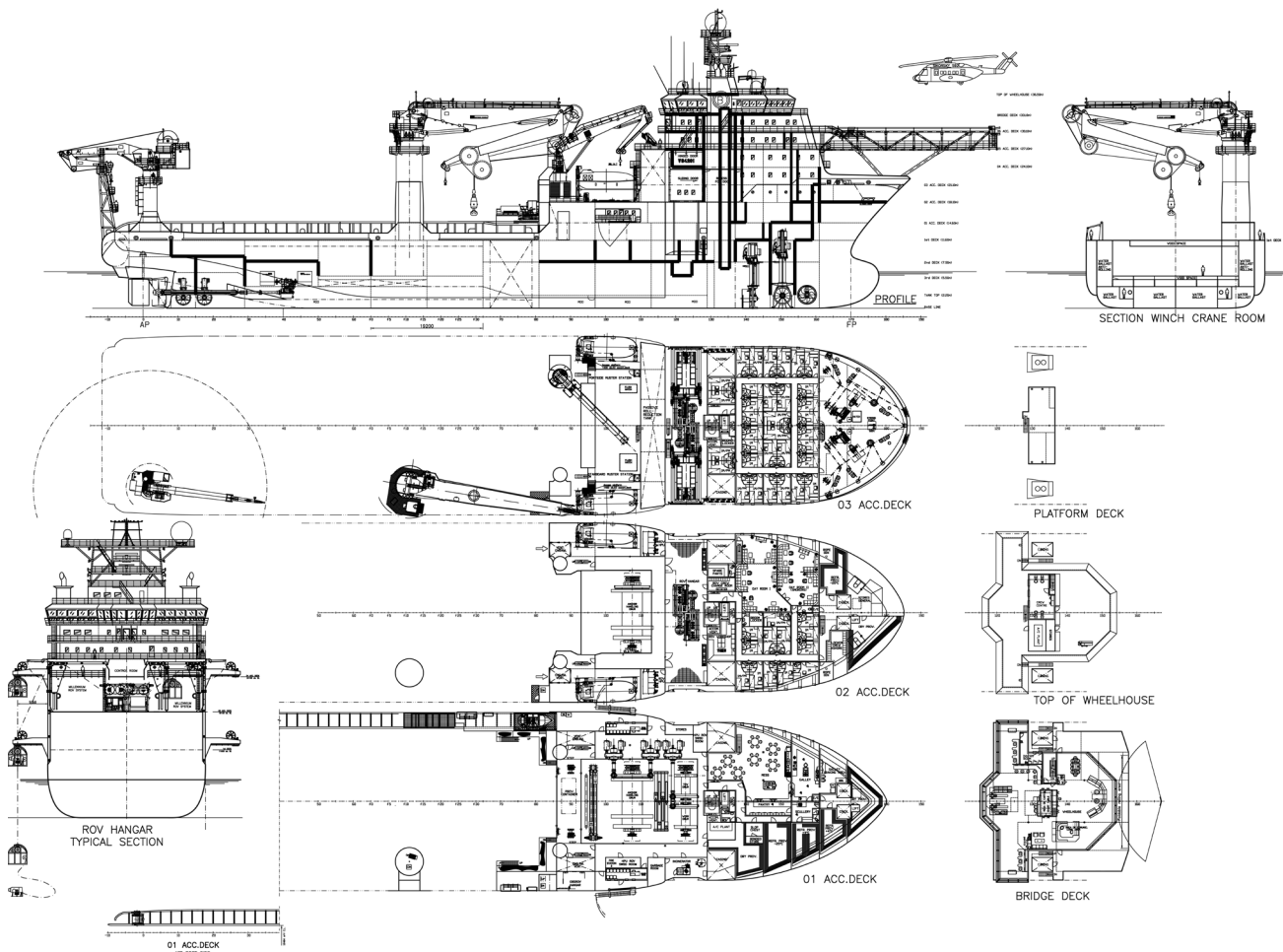
- 1 x Conference room 22 ps
- 1 x Client office desk space for 7 ps
- 1 x Project office desk space for 12 ps
- 1 x Office desk space for 2 ps
- 1 x Hospital comprehensively equipped including examination bench, 3 x beds, bath and stretchers
- 1 x Heli lounge with Airband radio and video screen
- 1 x Client deck workshop
- 1 x Mess room with 7 tables and seating for 42 ps

There is an Ethernet data communication network between the bridge, ECR and all offices (onboard)

The vessel is equipped with 2 x U-shape tanks for Anti-rolling and heeling service

One passive roll reduction stabilization tank located on 4th acc deck

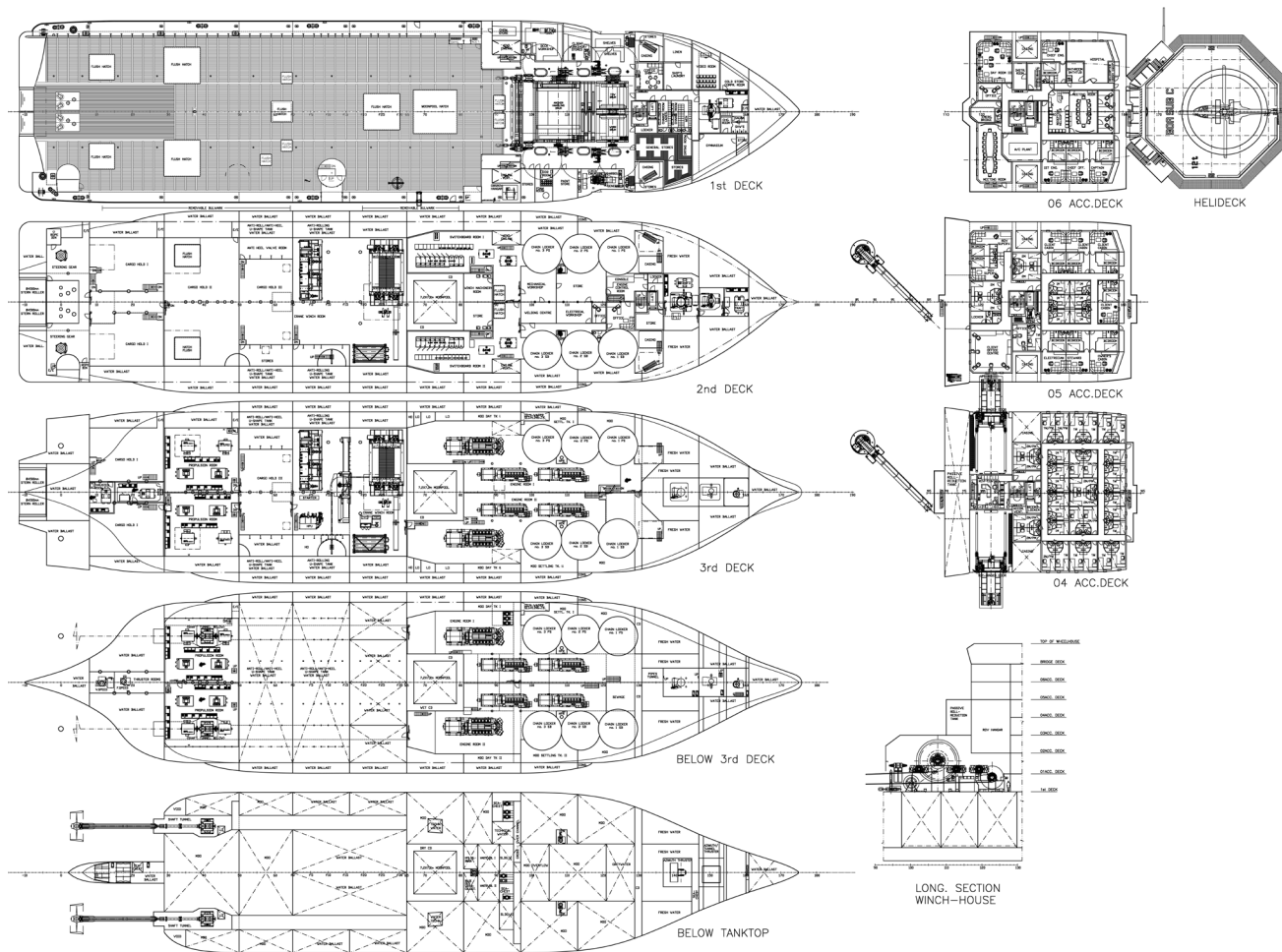
Hoppe Heeling System for quick heeling compensation



TOP VIEW

Boskalis

PO Box 43
3350 AA Papendrecht
The Netherlands
T +31 78 69 69 000
offshore.energy@boskalis.com
www.boskalis.com/offshore



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