# CAMPOS TIDE

## STX PSV 08 PLATFORM SUPPLY VESSEL

## Vessel Characteristics

| | | |
|---|---|---|
| **Length, Overall:** | 274.9 ft | 83.8 m |
| **Beam:** | 59.1 ft | 18 m |
| **Depth:** | 27.6 ft | 8.4 m |
| **Maximum Draft:** | 22.3 ft | 6.8 m |
| **Minimum Height:** | 89.8 ft | 27.4 m |
| **Freeboard:** | 5.3 ft | 1.6 m |
| **Displacement:** | 7,330 lt | 7,450 mt |
| **Deadweight:** | 4,550 lt | 4,620 mt |
| **Clear Deck Space:** | 196 x 49 ft | 60 x 15 m |
| **Clear Deck Area:** | 9,470 $ft^2$ | 880 $m^2$ |
| **Deck Strength AFT:** | 2,050 $lb/ft^2$ | 10 $t/m^2$ |
| **Class Notations:** | ABS: +A1, OSV, +AMS, (E), FFV-1, +DPS-2, +ACCU, ENVIRO, HAB(WB), UWILD, GP, PMP | |

## Capacities

| | | |
|---|---|---|
| **Deck Cargo:** | 2,170 lt | 2,200 t |
| **Fuel Oil:** | 272,000 gal | 1,030 $m^3$ |
| **Potable Water:** | 28,500 gal | 110 $m^3$ |
| **Fresh Water:** | 519,000 gal | 1,970 $m^3$ |
| **Drill/Ballast Water:** | 64,700 gal | 250 $m^3$ |
| **Bulk Tanks (4 tanks):** | 8,620 $ft^3$ | 240 $m^3$ |
| **Liquid Mud (2.8 SG*):** *Max Structural Specific Gravity | 9,400 bbl | 1,490 $m^3$ |
| **Methanol:** | 2,160 bbl | 340 $m^3$ |
| **Base Oil:** | 2,500 bbl | 400 $m^3$ |

**TIDEWATER**

**Find out more**

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Pg.2 Further Specifications
Pg.3 General Arrangement
Pg.4 Capacity Table
Pg.5 DP Capability Plot

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## Further specifications

## Machinery

| Diesel Electric Vessel | | | |
|---|---|---|---|
| *Propulsive/Total HP:* | | | 4,290 / 9,270 |
| **Z-Drives:** | | | Yes |
| **Propellers (2):** | | | 1600 KW Twinpropeller FPP |
| **Primary Generators (4):** | 1,730 kw | 690 v | 60 hz |
| *Driven by:* | | | CAT 3512C |
| **Emergency Generators (1):** | 420 kw | 440 v | 60 hz |
| *Driven by:* | | | CAT C-18 |
| **Bow Thruster (2):** | | | Tunnel/Retractable Azimuth |
| *Driven by:* | | | 880 KW MOTOR |
| *Total Thrust:* | | 29.4 st | 26.7 mt |

## Deck Equipment

| | |
|---|---|
| **Anchors (2):** | Spek Type |
| **Anchor Chain:** | 260 m of 46 mm chain per side |
| **Windlass:** | RRM MW100F/AW46K3 |
| **Crane (1):** | 2 t @ 18 m |
| **Capstans (2):** | 8 t RRM CH80-E |
| **Tugger (2):** | 10 t RRM TUW 100F |

## Accommodations

| | |
|---|---|
| **No. of Berths:** | 44 |
| **Cabins:** | 8x1-man, 13x2-man, 2x3-man & 1x4-man |
| **Certified to Carry:** | 44 |
| **Galley seating:** | 22 |
| **Hospital:** | Yes |

## Registration

| | | |
|---|---|---|
| **Flag:** VANUATU | **Home Port:** PORT VILA | |
| **Hull Number:** 1201 | **IMO N$^{O}$:** 9696929 | |
| **Year Built:** 2014 | **Call Sign:** YJTT5 | |
| **Builder:** | JIANGSU ZHENJIANG SYARD | |
| **Tonnage (ITC):** | 3927 GT | 1425 NT |

## Performance*

| Fuel Consumption Vs Speed | | |
|---|---|---|
| *Maximum:* | 19.6 m³/day (220 gph) @ 14 knots | |
| *Cruising:* | 13.4 m³/day (150 gph) @ 12 knots | |
| *Economical:* | 8.6 m³/day (95 gph) @ 10 knots | |
| *Standby:* | 2.7 m³/day (29.5 gph) @ 0 knots | |
| **Range @ 8 Knots:** | 13,400 nm | |
| **Transfer Rates** | | |
| *Fuel Oil:* | 880 gpm @ 300 ft | 200 m³/h @ 90 m |
| *Fresh Water:* | 880 gpm @ 300 ft | 200 m³/h @ 90 m |
| *Drill/Ballast Water:* | 880 gpm @ 300 ft | 200 m³/h @ 90 m |
| *Bulk:* | 35.9 cfm @ 190 ft | 61 m³/h @ 57 m |
| *Liquid Mud:* | 330 gpm @ 800 ft | 75 m³/h @ 240 m |
| *Base Oil:* | 660 gpm @ 300 ft | 150 m³/h @ 90 m |
| *Brine:* | 330 gpm @ 800 ft | 75 m³/h @ 240 m |
| *Methanol:* | 330 gpm @ 400 ft | 75 m³/h @ 120 m |

## Nav/Comms Equipment

| | |
|---|---|
| **Radar(s):** | 2 |
| **Depth Sounder:** | 1 |
| **Gyro Compass:** | 3 |
| **Wind Speed Indicators:** | 3 |
| **Doppler Log:** | 1 |
| **Radio:** | 3 x VHF |

## Special Equipment

| | |
|---|---|
| **Firefighting:** | FiFi-1 |
| **Dynamic Positioning:** | DP-2 |
| *Ref. Systems:* | 2 x MRU; 2 x DGPS<br>1 x Microwave-based; 1 x Laser-based |
| **Mud Circulation System/ Mud Mixers:** | Yes/Yes |
| **Rescue Boat:** | 15-Man NORREQ FRB 650 |
| **Fuel Monitoring:** | FUELTRAX |
| **SPS Compliant:** | Yes |
| **Misc:** | MSD - 60 PERSONS; Siemens BlueDrive +C |

*Approximate values assuming Ideal Conditions

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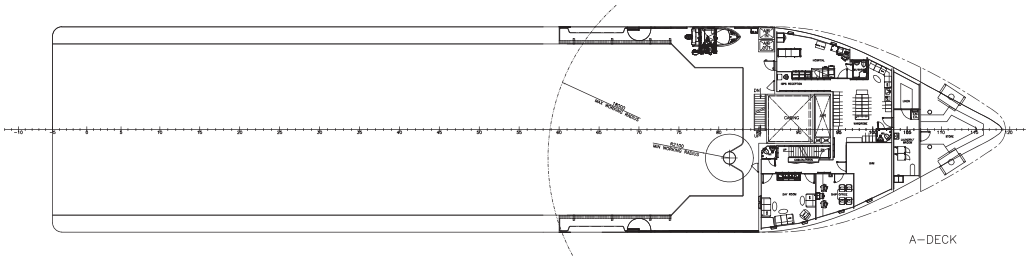
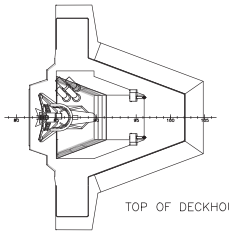
# CAMPOS TIDE

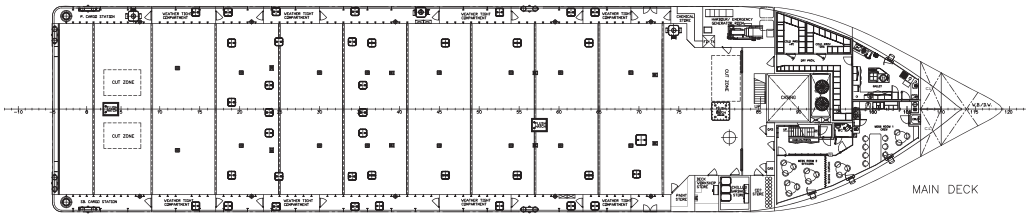
## General Arrangement (Current configuration may vary.)



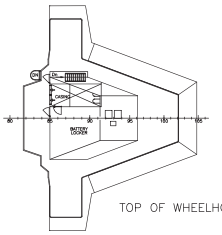
A–DECK



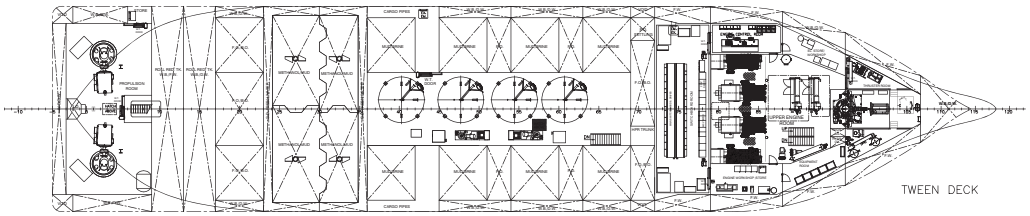
TOP OF DECKHOUSE



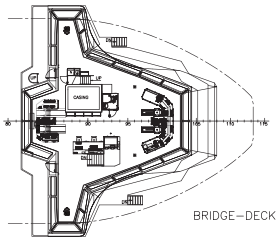
MAIN DECK



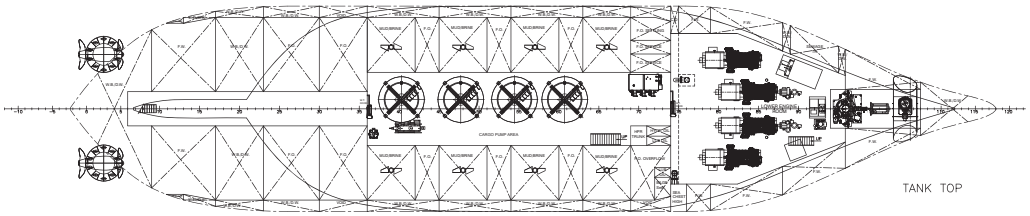
TOP OF WHEELHOUSE



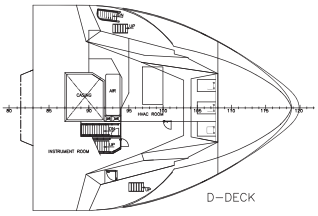
TWEEN DECK



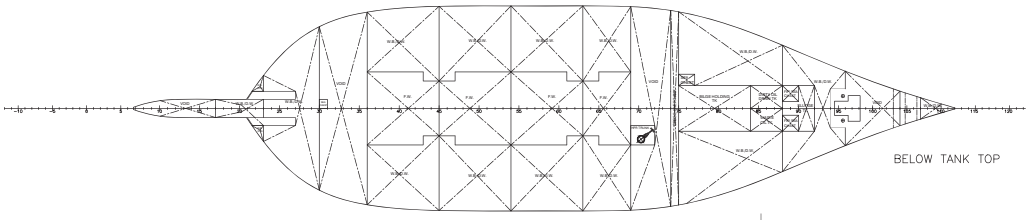
BRIDGE–DECK



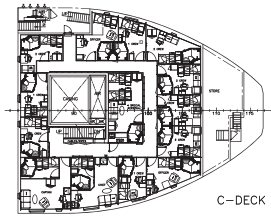
TANK TOP



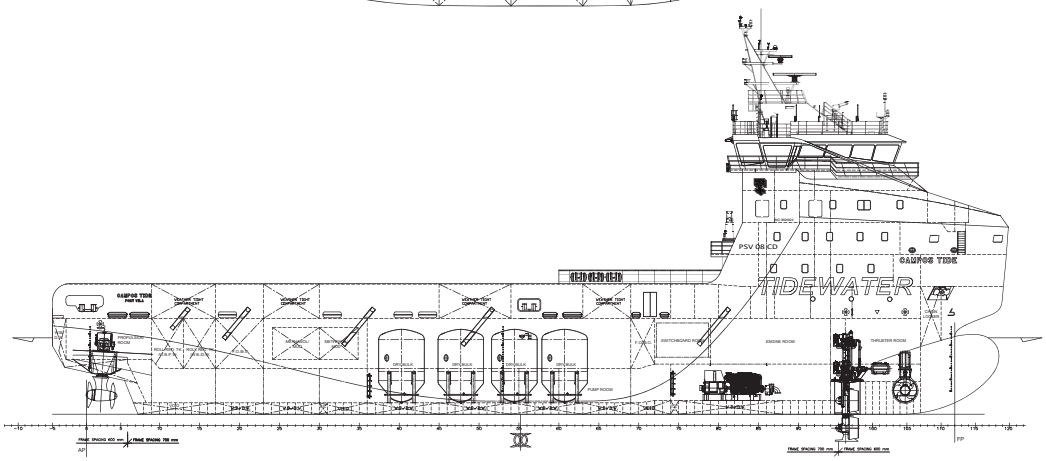
D–DECK



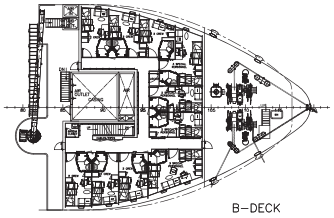
BELOW TANK TOP



C–DECK




SB PROFILE



B–DECK

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## Capacity Table

| Tank | Contents | Volume $m^3$ | Base Oil | Fuel Oil | Dry Bulk | DW/WB | Potable Water | Fresh Water | Brine | Liquid Mud | Methanol | Lube Oil | Foam | Oil Disp. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 WB/DW | DW/WB | 124.6 | | | | 124.6 | | | | | | | | |
| 05 WB/DW | DW/WB | 33.6 | | | | 33.6 | | 33.6 | | | | | | |
| 11 WB/DW | DW/WB | 29.4 | | | | 29.4 | | 29.4 | | | | | | |
| 12 WB/DW | DW/WB | 29.4 | | | | 29.4 | | 29.4 | | | | | | |
| 13 WB/DW | DW/WB | 44.2 | | | | 44.2 | | 44.2 | | | | | | |
| 14 WB/DW | DW/WB | 44.2 | | | | 44.2 | | 44.2 | | | | | | |
| 15 WB/DW | DW/WB | 44.2 | | | | 44.2 | | 44.2 | | | | | | |
| 16 WB/DW | DW/WB | 44.2 | | | | 44.2 | | 44.2 | | | | | | |
| 19 WB/DW | DW/WB | 20.0 | | | | 20.0 | | 20.0 | | | | | | |
| 20 WB/DW | DW/WB | 20.0 | | | | 20.0 | | 20.0 | | | | | | |
| 21 WB/DW | DW/WB | 217.5 | | | | 217.5 | | 217.5 | | | | | | |
| 22 WB/DW | DW/WB/FW | 211.8 | | | | 211.8 | | 211.8 | | | | | | |
| 23 WB/DW | DW/WB | 18.4 | | | | 18.4 | | 18.4 | | | | | | |
| 24 WB/DW | DW/WB | 28.3 | | | | 28.3 | | 28.3 | | | | | | |
| 25 WB/DW | DW/WB | 120.5 | | | | 120.5 | | | | | | | | |
| 28 WB/DW | DW/WB | 29.6 | | | | 29.6 | | 29.6 | | | | | | |
| 29 WB/DW | DW/WB | 47.1 | | | | 47.1 | | 47.1 | | | | | | |
| 30 WB/DW | DW/WB | 48.7 | | | | 48.7 | | 48.7 | | | | | | |
| 33 WB/DW | DW/WB | 27.1 | | | | 27.1 | | 27.1 | | | | | | |
| 34 WB/DW | DW/WB | 27.1 | | | | 27.1 | | 27.1 | | | | | | |
| 37 WB/DW | DW/WB | 40.4 | | | | 40.4 | | 40.4 | | | | | | |
| 38 WB/DW | DW/WB | 40.4 | | | | 40.4 | | 40.4 | | | | | | |
| 39 WB/DW | DW/WB | 40.1 | | | | 40.1 | | 40.1 | | | | | | |
| 40 WB/DW | DW/WB | 40.1 | | | | 40.1 | | 40.1 | | | | | | |
| 43 WB/DW | DW/WB | 60.5 | | | | 60.5 | | 60.5 | | | | | | |
| 44 WB/DW | DW/WB | 60.5 | | | | 60.5 | | 60.5 | | | | | | |
| 46 WB/DW | DW/WB | 93.0 | | | | 93.0 | | 93.0 | | | | | | |
| 47 WB/DW | DW/WB | 6.6 | | | | 6.6 | | 6.6 | | | | | | |
| 67 WB/DW | DW/WB | 59.8 | | | | 59.8 | | 59.8 | | | | | | |
| 68 WB/DW | DW/WB | 59.8 | | | | 59.8 | | 59.8 | | | | | | |
| 03 FW | Ships FW | 54 | | | | | 54.0 | | | | | | | |
| 04 FW | Ships FW | 54 | | | | | 54.0 | | | | | | | |
| 06 FW | FW | 57.4 | | | | | | 57.4 | | | | | | |
| 07 FW | FW | 66.2 | | | | | | 66.2 | | | | | | |
| 08 FW | FW | 66.2 | | | | | | 66.2 | | | | | | |
| 09 FW | FW | 46.1 | | | | | | 46.1 | | | | | | |
| 10 FW | FW | 46.3 | | | | | | 46.3 | | | | | | |
| 35 FW | FW | 24.1 | | | | | | 24.1 | | | | | | |
| 36 FW | FW | 37.3 | | | | | | 37.3 | | | | | | |
| 41 FW | FW | 37.3 | | | | | | 37.3 | | | | | | |
| 42 FW | FW | 37.2 | | | | | | 37.2 | | | | | | |
| 69 FW | FW | 41.1 | | | | | | 41.1 | | | | | | |
| 70 FW | FW | 41.1 | | | | | | 41.1 | | | | | | |
| 51 FO | FO | 71.9 | | 71.9 | | | | | | | | | | |
| 52 FO | FO | 71.9 | | 71.9 | | | | | | | | | | |
| 55 FO | FO | 71.9 | | 71.9 | | | | | | | | | | |
| 56 FO | FO | 71.9 | | 71.9 | | | | | | | | | | |
| 59 FO | FO | 27.3 | | 27.3 | | | | | | | | | | |
| 60 FO | FO | 27.3 | | 27.3 | | | | | | | | | | |
| 63 FO | FO | 65.5 | | 65.5 | | | | | | | | | | |
| 64 FO | FO | 65.5 | | 65.5 | | | | | | | | | | |
| 65 FO | FO | 60.4 | | 60.4 | | | | | | | | | | |
| 66 FO | FO | 60.4 | | 60.4 | | | | | | | | | | |
| 75 FO/BO | FO/BO | 86.6 | 86.6 | 86.6 | | | | | | | | | | |
| 76 FO/BO | FO/BO | 86.6 | 86.6 | 86.6 | | | | | | | | | | |
| 77 FO/BO | FO/BO | 115.9 | 115.9 | 115.9 | | | | | | | | | | |
| 78 FO/BO | FO/BO | 65.9 | 65.9 | 65.9 | | | | | | | | | | |
| 79 FO/BO | FO/BO | 42.1 | 42.1 | 42.1 | | | | | | | | | | |
| 85 FO Settling | FO | 37.6 | | 37.6 | | | | | | | | | | |
| 86 FO Service | FO | 12.8 | | 12.8 | | | | | | | | | | |
| 87 FO Service | FO | 17.2 | | 17.2 | | | | | | | | | | |
| 90 FO Overflow | FO | 38.3 | | 38.3 | | | | | | | | | | |
| 98 FO EMGEN | FO | 3.7 | | 3.7 | | | | | | | | | | |
| 49 Mud/Brine | LM/BR | 145.9 | | | | | | | | 145.9 | | | | |
| 50 Mud/Brine | LM/BR | 145.9 | | | | | | | | 145.9 | | | | |
| 53 Mud/Brine | LM/BR | 145.9 | | | | | | | | 145.9 | | | | |
| 54 Mud/Brine | LM/BR | 145.9 | | | | | | | | 145.9 | | | | |
| 57 Mud/Brine | LM/BR | 145.9 | | | | | | | | 145.9 | | | | |
| 58 Mud/Brine | LM/BR | 145.9 | | | | | | | | 145.9 | | | | |
| 61 Mud/Brine | LM/BR | 138.4 | | | | | | | | 138.4 | | | | |
| 62 Mud/Brine | LM/BR | 138.4 | | | | | | | | 138.4 | | | | |
| 71 Meth/Mud | METH/LM | 71.5 | | | | | | | | 71.5 | 71.5 | | | |
| 72 Meth/Mud | METH/LM | 75.4 | | | | | | | | 75.4 | 75.4 | | | |
| 73 Meth/Mud | METH/LM | 95.8 | | | | | | | | 95.8 | 95.8 | | | |
| 74 Meth/Mud | METH/LM | 100.0 | | | | | | | | 100.0 | 100.0 | | | |
| 81 CEM | Dry Bulk | 61.0 | | | 61.0 | | | | | | | | | |
| 82 CEM | Dry Bulk | 61.0 | | | 61.0 | | | | | | | | | |
| 83 CEM | Dry Bulk | 61.0 | | | 61.0 | | | | | | | | | |
| 84 CEM | Dry Bulk | 61.0 | | | 61.0 | | | | | | | | | |
| 89 Lube Oil | LO | 5.3 | | | | | | | | | | 5.3 | | |
| 91 Lube Oil | LO | 3.8 | | | | | | | | | | 3.8 | | |
| | | | | | | | | | | | | | | |
| Total Volume [$m^3$] | | | 397.1 | 1,100.7 | 244.0 | 1,711.1 | 108.0 | 1,966.3 | 0.0 | 1,494.9 | 342.7 | 9.1 | 0.0 | 0.0 |
| Spec Sheet Total Volume [$m^3$] | | | 397.1 | 1,028.7 | 244.0 | 245.1 | 108.0 | 1,966.3 | 0.0 | 1,494.9 | 342.7 | 9.1 | 0.0 | 0.0 |

*Capacities shown are for lead vessel. Actual capacities may vary slightly.
*Capacities shown in RED are excluded from the total volume.
*Capacities shown in BLUE are included in another Tank's Capacity.
*Capacities shown in GREEN are counted for multiple Tank Capacities.

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# CAMPOS TIDE

## DP Capability Plot

KONGSBERG

# DP Capability Plot

## VARD PSV 08 VZJ6257-1201-1206

| | | |
|---|---|---|
| Case number | : | 1 |
| Case description | : | Optimum use of all thrusters |
| Thrusters active | : | T1-T4 |
| Rudders active | : | |

| | | |
|---|---|---|
| Version | : | StatCap v. 2.10.0 |
| Input file reference | : | Foot_4739_MidDraught.scp |
| Last modified | : | 2014-09-09 09.50 |

| | | | |
|---|---|---|---|
| Length overall | : | 83.8 m | |
| Length between perpendiculars | : | 76.1 m | |
| Breadth | : | 18.0 m | |
| Draught | : | 5.8 m | |
| Displacement | : | 6123.1 t | (Cb = 0.75) |
| Longitudinal radius of inertia | : | 19.0 m | (= 0.25 * Lpp) |
| Pos. of origin ahead of Lpp/2 (Xo) | : | 0.0 m | |
| Wind load coefficients | : | Calculated (Blendermann) | |
| Current load coefficients | : | Calculated (Strip-theory) | |
| Wave-drift load coefficients | : | Database (Scaled by Breadth/Length) | |

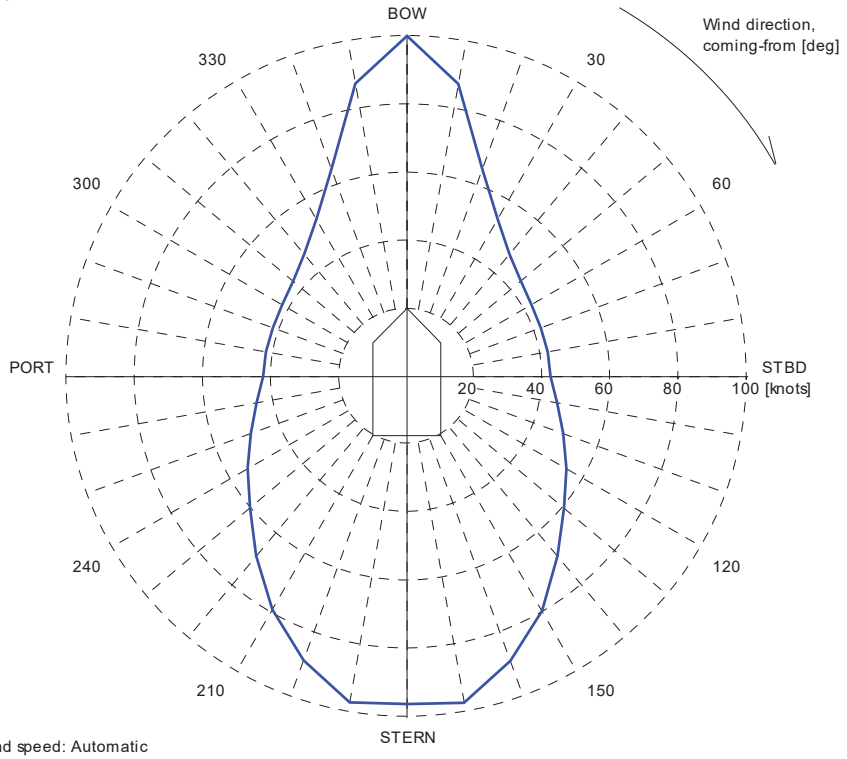
| | | |
|---|---|---|
| Tidal current direction offset | : | 0.0 deg |
| Wave direction offset | : | 0.0 deg |
| Wave spectrum type | : | JONSWAP (gamma = 3.30) |
| Wind spectrum type | : | NPD |
| Current - wave-drift interaction | : | OFF |
| Load dynamics allowance | : | 1.0 * STD of thrust demand |
| Additional surge force | : | 0.0 tf |
| Additional sway force | : | 0.0 tf |
| Additional yawing moment | : | 0.0 tf.m |
| Additional force direction | : | Fixed |
| Density of salt water | : | 1026.0 kg/m³ |
| Density of air | : | 1.226 kg/m³ (15 °C) |

| | | |
|---|---|---|
| Power limitations | : | ON |
| Thrust loss calculation | : | ON |

| # | Thruster | X [m] | Y [m] | F+ [tf] | F- [tf] | Max [%] | Pe [kW] | Rudder |
|---|---|---|---|---|---|---|---|---|
| 1 | TUNNEL | 33.8 | 0.0 | 13.2 | -13.2 | 100 | 880 | |
| 2 | AZIMUTH | 28.6 | 0.0 | 15.6 | 0.0 | 100 | 880 | |
| 3 | AZIMUTH | -36.8 | -4.7 | 28.3 | -17.4 | 100 | 1600 | |
| 4 | AZIMUTH | -36.8 | 4.7 | 28.3 | -17.4 | 100 | 1600 | |

VARIABLE WIND AND WAVES
Limiting 1 minute mean wind speed in knots
at 10 m above sea level

ERN = 99.
ERN are subject to DNV approval




Wind speed: Automatic
Significant wave height: DNV (ERN)
Mean zero up-crossing period: DNV (ERN)

Rotating tidal current: 1.46 knots
Rotating wind induced current: 0.000*Uwi knots



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