

SERVER TIDE



SUPPORTER TIDE as shown, SERVER TIDE similar

STX 06 CD PSV

Vessel Characteristics

Length, Overall:	309.1 ft	94.2 m
Beam:	65.6 ft	20 m
Depth:	27.2 ft	8.3 m
Maximum Draft:	22.2 ft	6.8 m
Light Draft:	11.2 ft	3.4 m
Minimum Height:	90.2 ft	27.5 m
Freeboard:	5 ft	1.5 m
Displacement:	8,580 lt	8,720 mt
Deadweight:	5,470 lt	5,560 mt
Clear Deck Space:	216 x 54 ft	66 x 17 m
Clear Deck Area:	11,000 ft ²	1,020 m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A1, Battery(Power), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

Capacities

Deck Cargo:	3,150 lt	3,200 t
Fuel Oil:	329,000 gal	1,250 m ³
Potable Water:	56,100 gal	210 m ³
Fresh Water:	239,000 gal	900 m ³
Drill/Ballast Water:	654,000 gal	2,480 m ³
Bulk Tanks (6 tanks):	14,300 ft ³	400 m ³
Liquid Mud (2.8 SG*):	7,980 bbl	1,270 m ³
*Max Structural Specific Gravity		
Methanol:	1,470 bbl	230 m ³
Base Oil:	3,490 bbl	550 m ³
Fire Fighting Foam:	420 gal	1.6 m ³

TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot

NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

LAST UPDATE: 11/10/2023

Machinery

Diesel Electric Hybrid Vessel	560 kWh Battery		
Propulsive/Total HP:	6,700 / 10,100		
Z-Drives:	Yes		
Propellers (2):	AZP 100RRM AZIPULL, 2500KW		
Primary Generators (4):	1,880 kw	690 v	60 hz
Driven by:	MAN 9L21/31		
Emergency Generators (1):	130 kw	690 v	60 hz
Driven by:	MITSUBISHI DPMG124-6D16T		
Bow Thruster (3):	2x TT200 DPN CP, 1x RR TCNS 73/50-180 SWING DOWN		
Driven by:	880KW ELECTRIC MOTORS		
Total Thrust:	44.2 st	40.1 mt	

Deck Equipment

Anchors (2):	4050 KG M-SPEK
Anchor Chain:	260 m of 50 mm chain per side
Windlass:	2x 17T MW170F/AW 50K3
Crane (1):	5 t @ 10 m
Tugger (2):	10 t MG-HUW

Accommodations

No. of Berths:	28
Cabins:	14x1-man & 7x2-man
Certified to Carry:	28
Galley seating:	20
Hospital:	Yes

Registration

Flag: NORWAY	Home Port: SKUDENESHAVN
Hull Number: 753	IMO N ^o : 9591856
Year Built: 2011	Call Sign: LCLU
Builder:	STX OSV Langsten
Tonnage (ITC):	4590 GT1993 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	24 m³/day (260 gph) @ 15.5 knots	
Cruising:	16 m³/day (180 gph) @ 12 knots	
Economical:	11 m³/day (120 gph) @ 11 knots	
Standby:	2 m³/day (22 gph) @ 0 knots	
Range @ 12 Knots:	22,400 nm	
Transfer Rates		
Fuel Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Fresh Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Drill/Ballast Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Bulk:	39.6 cfm @ 190 ft	67.3 m³/h @ 57 m
Liquid Mud:	440 gpm @ 830 ft	100 m³/h @ 250 m
Base Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Brine:	440 gpm @ 960 ft	100 m³/h @ 290 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 90 m

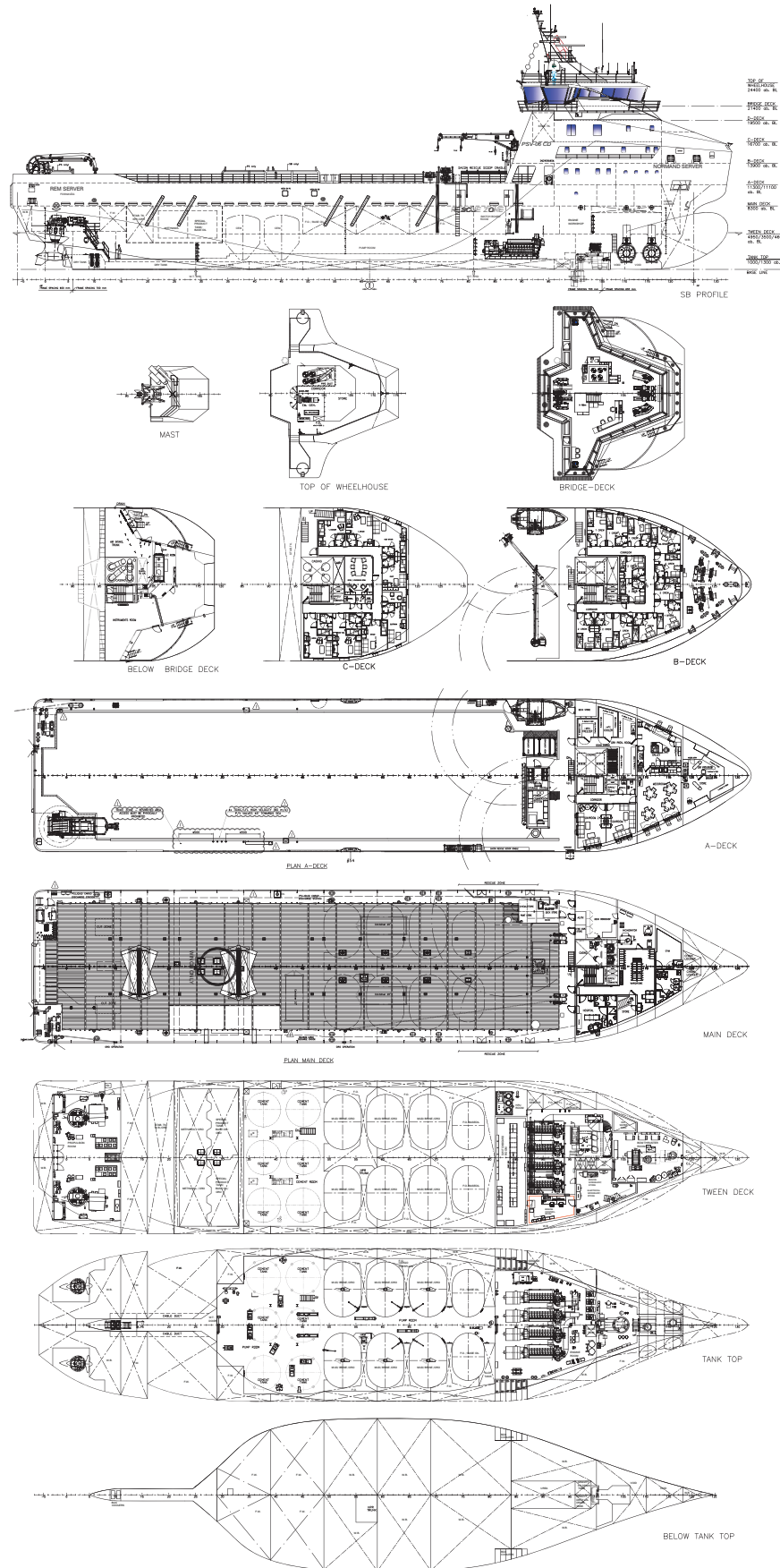
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	2X INMARSAT-C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	10-Man MARE FRB 700
Reefer Sockets:	12x 220V 16A
Misc:	Special Prod. Capacity - 239.7 m3; MSD; HPR Trunk; ORO Capacity - 2064.4 m3; Dacon Scoop SB

*Approximate values assuming Ideal Conditions



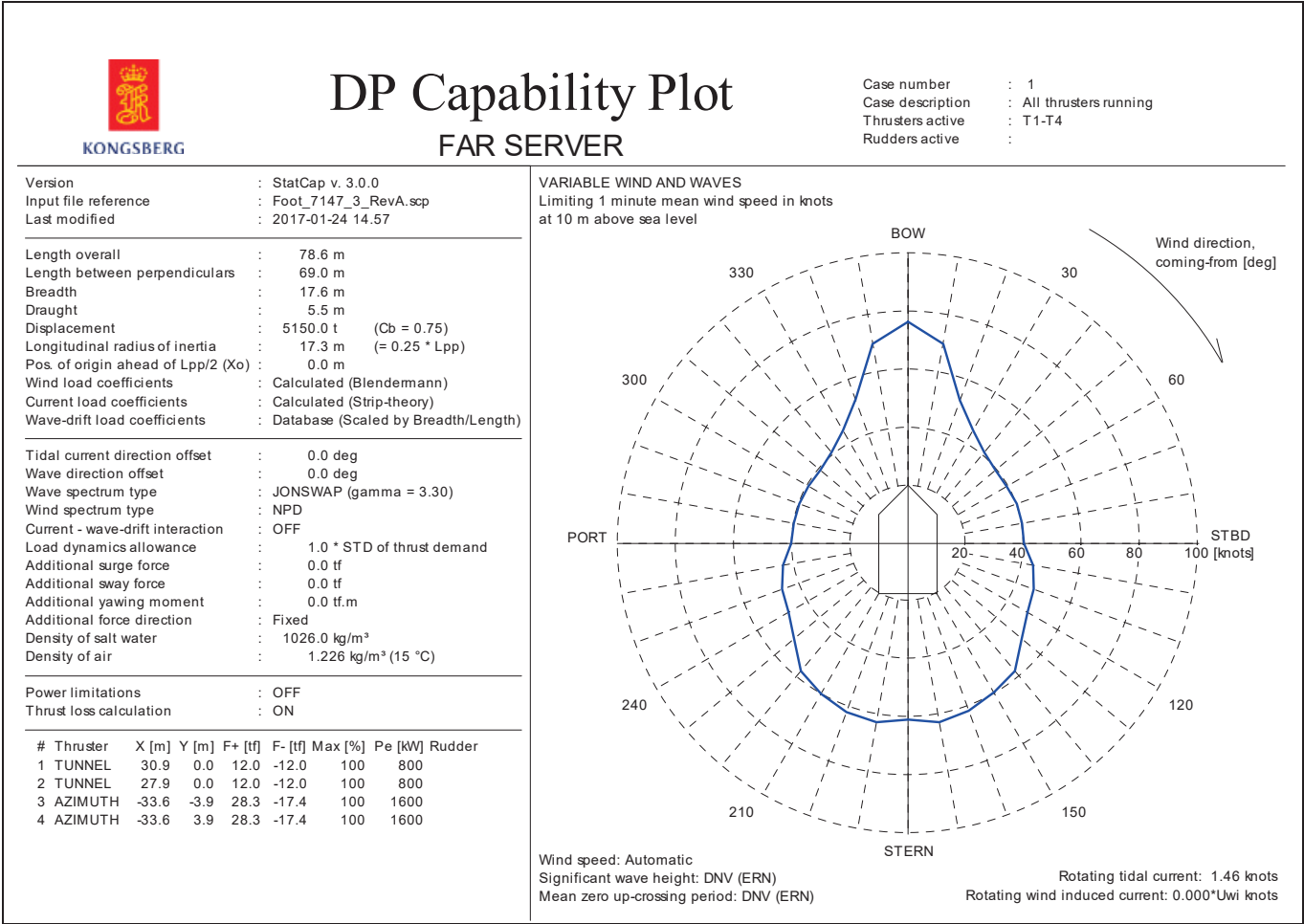
SERVER TIDE

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.
1 FOREPEAK	DW/WB	182.1				182.1								
2 WB DBW PS	DW/WB	108.2				108.2								
3 WB DBW SB	DW/WB	129.9				129.9								
4 WB DBW PS	DW/WB	52.0				52.0								
5 WB DBW SB	DW/WB	52.0				52.0								
6 WB DBW PS	DW/WB	39.6				39.6								
7 WB DBW SB	DW/WB	39.6				39.6								
8 WB DBW PS	DW/WB	39.6				39.6								
9 WB DBW SB	DW/WB	39.6				39.6								
12 AFTPEAK PS	DW/WB	129.5				129.5								
13 AFTPEAK SB	DW/WB	140.6				140.6								
14 STAB	DW/WB/ORO	321.5				321.5								
16 STAB	DW/WB	219.5				219.5								
81 CD	DW/WB	378.8				378.8								
87 WB DB PS	DW/WB	57.3				57.3								
88 WB DB SB	DW/WB	57.3				57.3								
98 WB DB SB	DW/WB	99.9				99.9								
99 WB DB PS	DW/WB	99.9				99.9								
100 WB DB SB	DW/WB	75.2				75.2								
101 WB DB PS	DW/WB	75.2				75.2								
102 WB DB SB	DW/WB	64.1				64.1								
103 WB DB PS	DW/WB	74.3				74.3								
10 FW DBW PS	FW	39.9						39.9						
11 FW DBW SB	FW	44.9						44.9						
17 FW DBW PS	FW	46.9						46.9						
18 FW DBW SB	FW	46.9						46.9						
20 FW WT PS	FW	162.4						162.4						
21 FW WT SB	FW	162.4						162.4						
22 FW WT PS	FW	98.8						98.8						
23 FW WT SB	FW	98.8						98.8						
24 FW WT PS	Ship's FW	107.0					107.0							
25 FW WT SB	Ship's FW	105.3					105.3							
90 FW DB PS	FW	59.4						59.4						
91 FW DB SB	FW	59.4						59.4						
92 FW DB PS	FW	41.4						41.4						
93 FW DB SB	FW	41.9						41.9						
28 FO CT PS	FO/BO	157.5	157.5	157.5										
29 FO CT SB	FO/BO	157.5	157.5	157.5										
44 FO WT PS	FO	173.6		173.6										
45 FO WT SB	FO	132.9		132.9										
46 FO WT SB	FO	92.6		92.6										
47 FO SERVE	FO	17.5		17.5										
50 FW WT PS	FO	239.2		239.2										
51 FO WT SB	FO	205.0		205.0										
52 FO WT PS	FO	88.6		88.6										
76 FO OVERFLOW	FO	44.3		44.3										
84 FO SETTLE	FO	17.9		17.9										
85 FO SERV	FO	9.4		9.4										
42 SPECIAL PS	SP/BO/ORO	119.8	119.8											
43 SPECIAL SB	SP/BO/ORO	119.9	119.9											
26 METH PS	METH/ORO	116.2									116.2			
27 METH SB	METH/ORO	118.0									118.0			
30 MUD PS	LM/BRI/ORO	211.5								211.5				
31 MUD SB	LM/BRI/ORO	211.5								211.5				
32 MUD PS	LM/BRI/ORO	211.5								211.5				
33 MUD SB	LM/BRI/ORO	211.5								211.5				
34 MUD PS	LM/BRI/ORO	211.5								211.5				
35 MUD SB	LM/BRI/ORO	211.5								211.5				
36 CEM PS	DRY BULK	67.3			67.3									
37 CEM SB	DRY BULK	67.3			67.3									
38 CEM PS	DRY BULK	67.3			67.3									
39 CEM SB	DRY BULK	67.3			67.3									
40 CEM CT	DRY BULK	67.3			67.3									
41 CEM CT	DRY BULK	67.3			67.3									
58 LUBE	LO	8.6										8.6		
FOAM TK	FOAM	1.6											1.6	
Total Volume [m ³]			554.7	1,336.0	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	1.6	0.0
Spec Sheet Total Volume [m ³]			554.7	1,246.9	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	1.6	0.0

- * Capacities shown are for lead vessel. Actual capacities may vary slightly.
- * Capacities shown in **RED** are excluded from the total volume.
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Freeboard:	5 ft	1.5 m
Displacement:	8,580 lt	8,720 mt
Deadweight:	5,460 lt	5,550 mt
Clear Deck Space:	216 x 54 ft	66 x 17 m
Clear Deck Area:	11,000 ft ²	1,020 m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A1, Battery(Power), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

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Bulk Tanks (6 tanks):	14,300 ft ³	400 m ³
Liquid Mud (2.8 SG*):	7,980 bbl	1,270 m ³
*Max Structural Specific Gravity		
Methanol:	1,470 bbl	230 m ³
Base Oil:	3,490 bbl	550 m ³
Fire Fighting Foam:	420 gal	1.6 m ³

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SUPPORTER TIDE

Further specifications



Machinery

Diesel Electric Hybrid Vessel	560 kWh Battery		
Propulsive/Total HP:	6,700 / 10,100		
Z-Drives:	Yes		
Propellers (2):	AZP 100RRM AZIPULL, 2500KW		
Primary Generators (4):	1,880 kw	690 v	60 hz
Driven by:	MAN 9L21/31		
Emergency Generators (1):	130 kw	690 v	60 hz
Driven by:	MITSUBISHI DPMG124-6D16T		
Bow Thruster (3):	2X TT200 DPN CP, 1X RR TCNS 73/50-180 SWING DOWN		
Driven by:	880KW ELECTRIC MOTORS		
Total Thrust:	44.2 st	40.1 mt	

Deck Equipment

Anchors (2):	4050 KG M-SPEK
Anchor Chain:	260 m of 50 mm chain per side
Windlass:	2x 17T MW170F/AW 50K3
Crane (1):	5 t @ 10 m
Tugger (2):	10 t HG-HUW

Accommodations

No. of Berths:	28
Cabins:	14x1-man & 7x2-man
Certified to Carry:	28
Galley seating:	20
Hospital:	Yes

Registration

Flag: NORWAY	Home Port: SANDNES
Hull Number: 754	IMO N°: 9591868
Year Built: 2012	Call Sign: LCLW
Builder:	STX OSV Langsten
Tonnage (ITC):	4590 GT 1993 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	24 m³/day (260 gph) @ 15.5 knots	
Cruising:	16 m³/day (180 gph) @ 12 knots	
Economical:	11 m³/day (120 gph) @ 11 knots	
Standby:	2 m³/day (22 gph) @ 0 knots	
Range @ 12 Knots:	22,400 nm	
Transfer Rates		
Fuel Oil:	1100 gpm @ 300 ft	250 m³/h @ 90 m
Fresh Water:	1100 gpm @ 300 ft	250 m³/h @ 90 m
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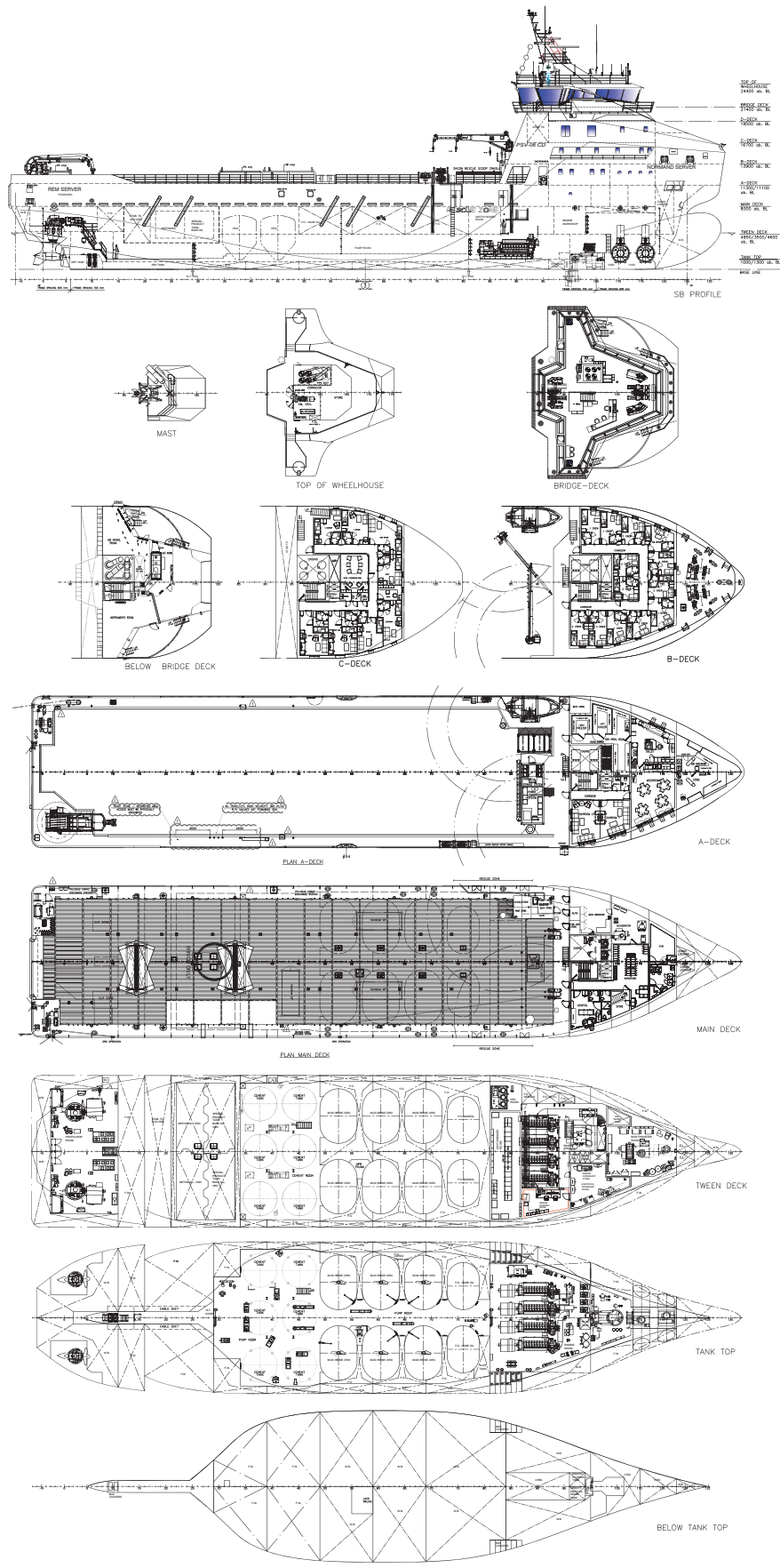
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	2x INMARSAT-C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS N/A x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	10-Man GTC 700 FRC
Reefer Sockets:	22x 220V 16A
Misc:	Special Prod. Capacity - 239.7 m³; Dacon Scoop SB, 2x Scramble nets (P/S); MSD; ORO Capacity - 2064.4 m³; HPR Trunk

*Approximate values assuming Ideal Conditions





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.
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100 WB DB SB	DW/WB	75.2				75.2								
101 WB DB PS	DW/WB	75.2				75.2								
102 WB DB SB	DW/WB	64.1				64.1								
103 WB DB PS	DW/WB	74.3				74.3								
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17 FW DBW PS	FW	46.9						46.9						
18 FW DBW SB	FW	46.9						46.9						
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21 FW WT SB	FW	162.4						162.4						
22 FW WT PS	FW	98.8						98.8						
23 FW WT SB	FW	98.8						98.8						
24 FW WT PS	Ship's FW	107.0					107.0							
25 FW WT SB	Ship's FW	105.3					105.3							
90 FW DB PS	FW	59.4						59.4						
91 FW DB SB	FW	59.4						59.4						
92 FW DB PS	FW	41.4						41.4						
93 FW DB SB	FW	41.9						41.9						
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32 MUD PS	LM/BRI/ORO	211.5								211.5				
33 MUD SB	LM/BRI/ORO	211.5								211.5				
34 MUD PS	LM/BRI/ORO	211.5								211.5				
35 MUD SB	LM/BRI/ORO	211.5								211.5				
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39 CEM SB	DRY BULK	67.3			67.3									
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FOAM TK	FOAM	1.6											1.6	
Total Volume [m ³]			554.7	1,336.0	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	1.6	0.0
Spec Sheet Total Volume [m ³]			554.7	1,246.9	403.8	2,475.7	212.3	903.1	0.0	1,269.0	234.2	8.6	1.6	0.0

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KONGSBERG

DP Capability Plot

FAR SERVER

Case number : 1
Case description : All thrusters running
Thrusters active : T1-T4
Rudders active :

Version	: StatCap v. 3.0.0
Input file reference	: Foot_7147_3_RevA.scp
Last modified	: 2017-01-24 14:57
Length overall	: 78.6 m
Length between perpendiculars	: 69.0 m
Breadth	: 17.6 m
Draught	: 5.5 m
Displacement	: 5150.0 t (Cb = 0.75)
Longitudinal radius of inertia	: 17.3 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	: OFF
Thrust loss calculation	: ON
# Thruster	X [m] Y [m] F+ [tf] F- [tf] Max [%] Pe [kW] Rudder
1 TUNNEL	30.9 0.0 12.0 -12.0 100 800
2 TUNNEL	27.9 0.0 12.0 -12.0 100 800
3 AZIMUTH	-33.6 -3.9 28.3 -17.4 100 1600
4 AZIMUTH	-33.6 3.9 28.3 -17.4 100 1600

