

# SYMPHONY TIDE



NORMAND AURORA as shown, SYMPHONY TIDE similar

## P 105 PSV CLASS

### Vessel Characteristics

Length, Overall:	282.8 ft	86.2 m
Beam:	62.3 ft	19 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.9 ft	6.7 m
Minimum Height:	110 ft	33.2 m
Freeboard:	4.4 ft	1.3 m
Displacement:	8,940 lt	9,080 mt
Deadweight:	4,850 lt	4,930 mt
Clear Deck Space:	195 x 53 ft	60 x 16 m
Clear Deck Area:	10,300 ft <sup>2</sup>	960 m <sup>2</sup>
Deck Strength FWD:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Deck Strength AFT:	2,050 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations:	DNV: +1A1, Clean, COMF(V-3), DK(+), DYN-POS(AUTR), EO, HL(2.5), LFL(*), SF	

### Capacities

Deck Cargo:	2,660 lt	2,700 t
Fuel Oil:	394,000 gal	1,490 m <sup>3</sup>
Potable Water:	115,000 gal	430 m <sup>3</sup>
Fresh Water:	79,800 gal	300 m <sup>3</sup>
Drill/Ballast Water:	449,000 gal	1,700 m <sup>3</sup>
Bulk Tanks (6 tanks):	10,200 ft <sup>3</sup>	290 m <sup>3</sup>
Liquid Mud (2.5 SG*):	5,260 bbl	840 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	1,030 bbl	160 m <sup>3</sup>
Base Oil:	1,920 bbl	310 m <sup>3</sup>
Brine:	5,060 bbl	800 m <sup>3</sup>
Fire Fighting Foam:	480 gal	1.8 m <sup>3</sup>

## TIDEWATER

Find out more

[tdw.com](http://tdw.com)

Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

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**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: 11/17/2023

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## Further specifications



### Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	6,700 / 9,790		
Z-Drives:	Yes		
Propellers (2):	RR US 305/4470, 2500KW FPP		
Primary Generators (4):	1,820 kw	440 v	60 hz
Driven by:	CAT 3516TA-B		
Emergency Generators (1):	190 kw	440 v	60 hz
Driven by:	CAT 3306TA		
Bow Thruster (2):	1x FU-80-LTC-2250 TT, 1x TCNS 73/50-180 Swing Down		
Driven by:	895KW ELECTRIC MOTOR		
Total Thrust:	30 st	27.2 mt	

### Deck Equipment

Anchors (2):	3060 KG SPEK
Anchor Chain:	250 m of 44 mm chain per side
Windlass:	9.5T RR LBFMG6-304-4-C
Crane (1):	2 t @ 8.2 m
Aux. Crane (1):	1.5 t @ 15 m
Capstans (2):	10 t Hydrakraft 200 252
Tugger (2):	10 t Hydrakraft 200 850

### Accommodations

No. of Berths:	24
Cabins:	12x1-man & 6x2-man
Certified to Carry:	24
Galley seating:	15
Hospital:	Yes

### Registration

Flag: NORWAY	Home Port: AALESUND
Hull Number: 266	IMO N <sup>o</sup> : 9288253
Year Built: 2003	Call Sign: LAEJ8
Builder:	ULSTEIN VERFT AS
Tonnage (ITC):	3743 GT 1151 NT

### Performance\*

Fuel Consumption Vs Speed		
Maximum:	25.5 m³/day (280 gph) @ 15 knots	
Cruising:	13.2 m³/day (150 gph) @ 12 knots	
Economical:	8.9 m³/day (98 gph) @ 10 knots	
Standby:	2.6 m³/day (28.6 gph) @ 0 knots	
Range @ 12 Knots:	32,500 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	1100 gpm @ 300 ft	250 m³/h @ 92 m
Drill/Ballast Water:	1100 gpm @ 300 ft	250 m³/h @ 92 m
Bulk:	28.3 cfm @ 200 ft	48 m³/h @ 61 m
Liquid Mud:	440 gpm @ 600 ft	100 m³/h @ 180 m
Base Oil:	1100 gpm @ 300 ft	250 m³/h @ 92 m
Brine:	660 gpm @ 600 ft	150 m³/h @ 180 m
Methanol:	440 gpm @ 300 ft	100 m³/h @ 92 m

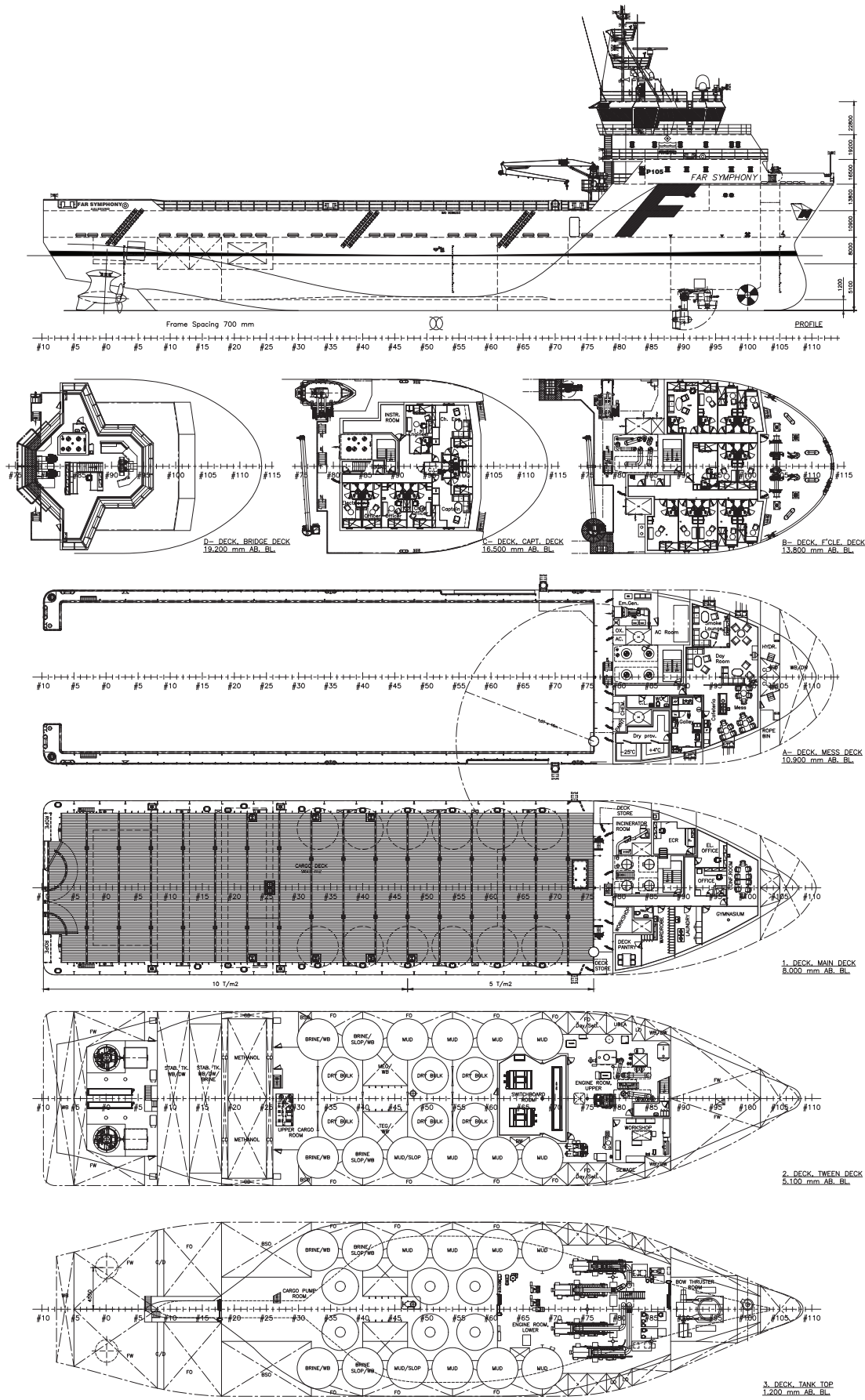
### Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	4 x VHF; 1 x SSB
Sat Com:	2X INMARSAT-C

### Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	10-Man FRC
Misc:	Glycol Capacity - 202.6 m³; MSD - 20 Persons

\*Approximate values assuming Ideal Conditions



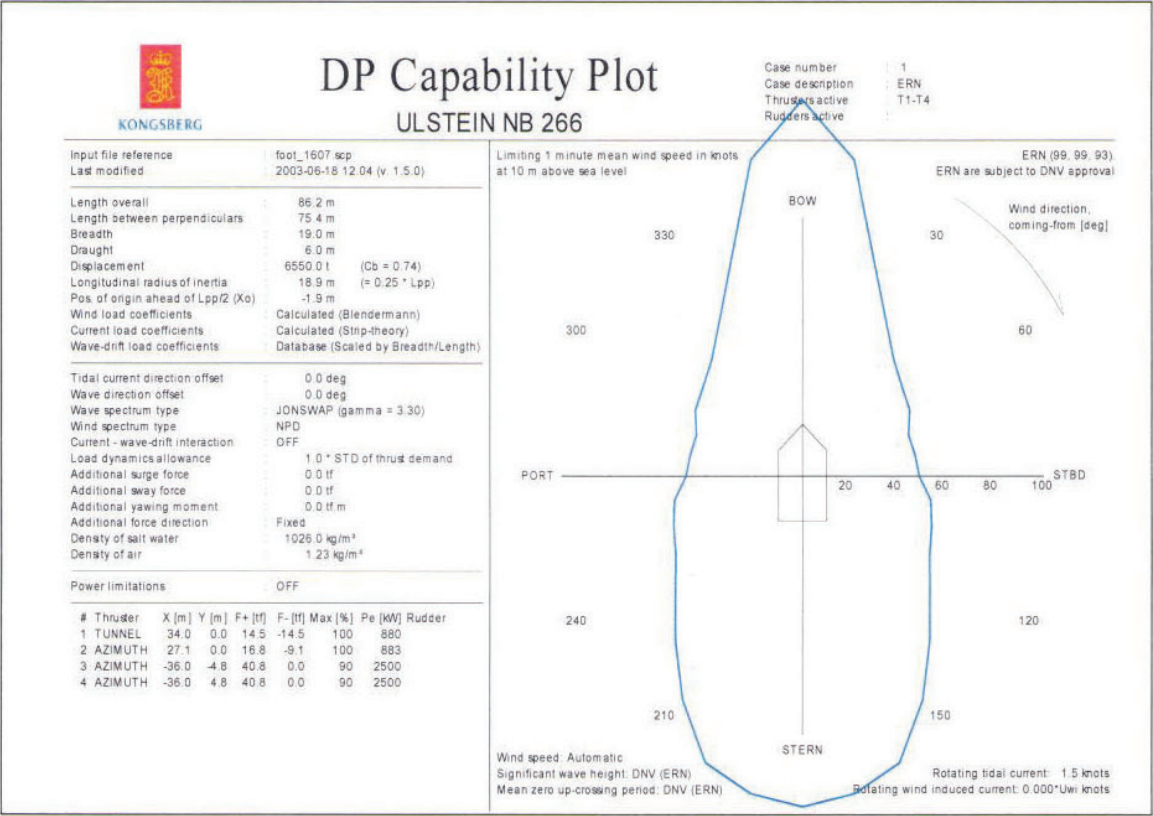


\* Capacities shown are for lead vessel. Actual capacities may vary slightly.  
 \* Capacities shown in **RED** are excluded from the total volume.  
 \* Capacities shown in **BLUE** are included in another Tank's Capacity.  
 \* Capacities shown in **GREEN** are counted for multiple Tank Capacities.



SYMPHONY TIDE

DP Capability Plot



Limiting 1 minute mean wind speed in knots at 10 m above sea level

ERN (99, 99, 93)

ERN are subject to DNV approval

BOW

330

300

240

210

STERN

150

120

STBD

60

30

Wind direction coming from [deg]

PORT

20

40

60

80

100

Wind speed: Automatic

Significant wave height: DNV (ERN)

Mean zero up-crossing period: DNV (ERN)

Rotating tidal current: 1.5 knots

Rotating wind induced current: 0.000\*Uwi knots

Figure 10: DP capability envelope for case 1.