

# SERENADE TIDE



UT 751 CD PSV

## Vessel Characteristics

Length, Overall:	308.1 ft	93.9 m
Beam:	68.9 ft	21 m
Depth:	28.9 ft	8.8 m
Maximum Draft:	23.9 ft	7.3 m
Light Draft:	11.4 ft	3.5 m
Minimum Height:	100 ft	30.5 m
Freeboard:	5 ft	1.5 m
Displacement:	9,510 lt	9,660 mt
Deadweight:	5,840 lt	5,930 mt
Clear Deck Space:	185 x 58 ft	56 x 18 m
Clear Deck Area:	10,800 ft <sup>2</sup>	1000 m <sup>2</sup>
Deck Strength AFT:	2,050 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations:	DNV: +1A1, Supply vessel(Basic), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

## Capacities

Deck Cargo:	3,250 lt	3,300 t
Fuel Oil:	333,000 gal	1,260 m <sup>3</sup>
Potable Water:	105,000 gal	400 m <sup>3</sup>
Fresh Water:	190,000 gal	720 m <sup>3</sup>
Drill/Ballast Water:	806,000 gal	3,050 m <sup>3</sup>
Bulk Tanks (6 tanks):	12,400 ft <sup>3</sup>	350 m <sup>3</sup>
Liquid Mud (2.8 SG*):	7,150 bbl	1,140 m <sup>3</sup>
<small>*Max Structural Specific Gravity</small>		
Methanol:	1,370 bbl	220 m <sup>3</sup>
Base Oil:	1,730 bbl	280 m <sup>3</sup>
Brine:	1,220 bbl	190 m <sup>3</sup>
Fire Fighting Foam:	790 gal	3 m <sup>3</sup>

## TIDEWATER

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## Further specifications



### Machinery

<b>Diesel Electric Vessel</b>			
Propulsive/Total HP:	5,900 / 9,470		
Z-Drives:	Yes		
Propellers (2):	AQUAMASTER AZP120, 2200KW CPP		
Primary Generators (4):	1,740 kw	690 v	60 hz
Driven by:	RRM C25:33L6A		
Emergency Generators (1):	200 kw	690 v	60 hz
Driven by:	SCANIA DI 12 62M		
Bow Thruster (3):	2x RR TT2400 DPN TT FP, 1x RR TCNS 73/50		
Driven by:	895KW ELECTRIC MOTORS		
Total Thrust:	45 st	40.8 mt	

### Deck Equipment

Anchors (2):	4380 KG SOTRA MARINE
Anchor Chain:	270 m of 50 mm chain per side
Windlass:	2x 20 MT RRM
Crane (1):	5 t @ 10 m
Aux. Crane (1):	3 t @ 15 m
Tugger (1):	15 t RRM

### Accommodations

No. of Berths:	25
Cabins:	13x1-man & 6x2-man
Certified to Carry:	25
Galley seating:	14
Hospital:	Yes

### Registration

Flag: ISLE OF MAN	Home Port: DOUGLAS
Hull Number: 63	IMO N <sup>o</sup> : 9408229
Year Built: 2009	Call Sign: MSQL4
Builder:	STX Norway Offshore AS Brevik
Tonnage (ITC):	5211 GT / 1882 NT

### Performance\*

<b>Fuel Consumption Vs Speed</b>		
Maximum:	27 m <sup>3</sup> /day (300 gph) @ 16.5 knots	
Cruising:	17 m <sup>3</sup> /day (190 gph) @ 12.2 knots	
Economical:	14.5 m <sup>3</sup> /day (160 gph) @ 11.3 knots	
Standby:	2.7 m <sup>3</sup> /day (29.7 gph) @ 0 knots	
<b>Range @ 12.2 Knots:</b>	22,000 nm	
<b>Transfer Rates</b>		
Fuel Oil:	1,100 gpm @ 300 ft	250 m <sup>3</sup> /h @ 92 m
Fresh Water:	1,100 gpm @ 300 ft	250 m <sup>3</sup> /h @ 92 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m <sup>3</sup> /h @ 92 m
Bulk:	34.6 cfm @ 190 ft	58.7 m <sup>3</sup> /h @ 57 m
Liquid Mud:	440 gpm @ 800 ft	100 m <sup>3</sup> /h @ 240 m
Base Oil:	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
Brine:	440 gpm @ 800 ft	100 m <sup>3</sup> /h @ 240 m
Methanol:	330 gpm @ 300 ft	75 m <sup>3</sup> /h @ 92 m

### Nav/Comms Equipment

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

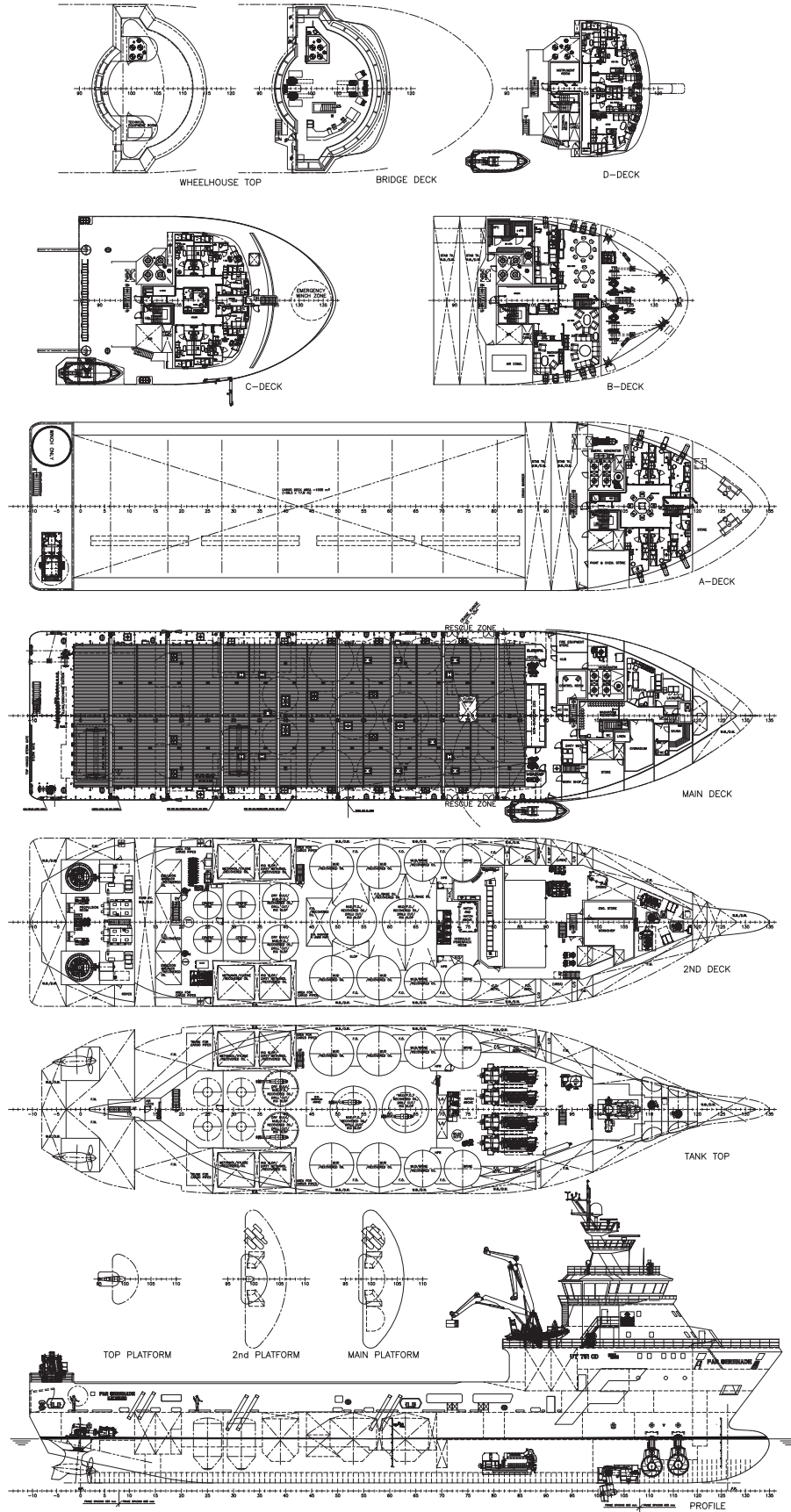
### Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	10-Man Springer MP 800 FRC
Gas Detection:	5x Portable Gas Detectors
Misc:	ORO Capacity - 2003.4 m <sup>3</sup> ; MSD - 25 Persons; MACS Capacity - 384.4 m <sup>3</sup> ; HPR Room

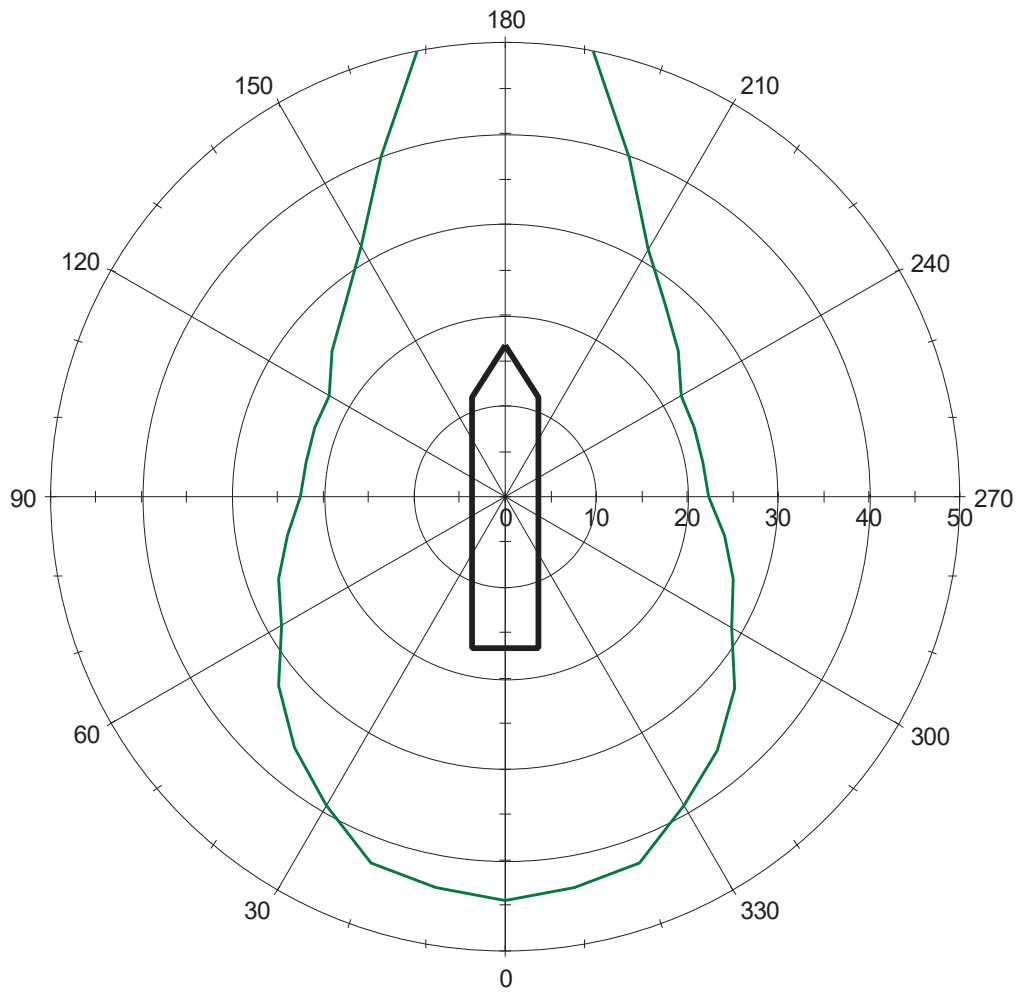
\*Approximate values assuming Ideal Conditions

# SERENADE TIDE

## General Arrangement (Current configuration may vary.)







— Wind [m/s] (truncated at 50.0 m/s)

External:  
Variable wind velocity rotating 360 deg  
1.03 m/s wind generated current rotating 360 deg (0.0 deg offset)  
Variable wave height rotating 360 deg (0.0 deg offset)