

PACIFIC AURORA



UT 755 L3 PSV

Vessel Characteristics

Length, Overall:	240.8 ft	73.4 m
Beam:	52.5 ft	16 m
Depth:	23 ft	7 m
Maximum Draft:	19.4 ft	5.9 m
Light Draft:	8.5 ft	2.6 m
Freeboard:	3.6 ft	1.1 m
Displacement:	5,000 lt	5,080 mt
Deadweight:	3,190 lt	3,240 mt
Clear Deck Space:	165 x 44 ft	50 x 14 m
Clear Deck Area:	7,320 ft ²	680 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	DNV: +1A1, Fire fighter(I), DYNPOS(AUTR), EO, SF	

Capacities

Deck Cargo:	1,570 lt	1,600 t
Fuel Oil:	523,000 gal	1,980 m ³
Potable Water:	60,300 gal	230 m ³
Fresh Water:	173,000 gal	650 m ³
Drill/Ballast Water:	100,000 gal	380 m ³
Bulk Tanks (5 tanks):	10,800 ft ³	310 m ³
Liquid Mud (2.5 SG*):	5,740 bbl	910 m ³
*Max Structural Specific Gravity		
Base Oil:	1,260 bbl	200 m ³
Oil Dispersant:	2,850 gal	10.8 m ³

TIDEWATER

Find out more

tdw.com

Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
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.

PACIFIC AURORA

Further specifications



Machinery

Main Engines (2):	BERGEN C25:33L8P		
Total HP:	6,300		
Propellers (2):	RRM CPP		
Primary Generators (1):	270 kw	440 v	60 hz
Driven by:	CAT 3406		
Secondary Generators (2):	1,280 kw	440 v	60 hz
Driven by:	MAIN ENGINES		
Emergency Generators (1):	270 kw	440 v	60 hz
Driven by:	CAT 3406		
Bow Thruster (2):	RRM TT 1650 DP CP		
Driven by:	600KW ELECTRIC MOTORS		
Total Thrust:	20.1 st	18.2 mt	
Stern Thruster (2):	RRM TT 1650 DP CP		
Driven by:	600KW ELECTRIC MOTORS		
Total Thrust:	20.1 st	18.2 mt	

Deck Equipment

Anchors (2):	2100 KG
Anchor Chain:	440 m of 36 mm chain per side
Windlass:	RRM 10T, Hydraulic
Crane (1):	2 t @ 10 m
Capstans (2):	10 t RRM 0-19 M/MIN
Tugger (2):	10 t RRM

Accommodations

No. of Berths:	28
Cabins:	6x1-man, 7x2-man & 2x4-man
Certified to Carry:	28
Galley seating:	16
Hospital:	Yes

Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 180	IMO NO: 9386287
Year Built: 2008	Call Sign: YJQA2
Builder:	Drydocks World - Singapore Pte Ltd
Tonnage (ITC):	2218 GT 955 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	21.7 m³/day (240 gph) @ 14 knots	
Cruising:	13.5 m³/day (150 gph) @ 12 knots	
Economical:	11 m³/day (120 gph) @ 10 knots	
Standby:	1.2 m³/day (13.2 gph) @ 0 knots	
Transfer Rates		
Fuel Oil:	440 gpm @ 230 ft	100 m³/h @ 71 m
Fresh Water:	660 gpm @ 230 ft	150 m³/h @ 71 m
Drill/Ballast Water:	660 gpm @ 230 ft	150 m³/h @ 71 m
Bulk:	47.1 cfm @ 190 ft	80 m³/h @ 57 m
Liquid Mud:	330 gpm @ 600 ft	75 m³/h @ 180 m
Base Oil:	660 gpm @ 230 ft	150 m³/h @ 71 m
Brine:	330 gpm @ 600 ft	75 m³/h @ 180 m

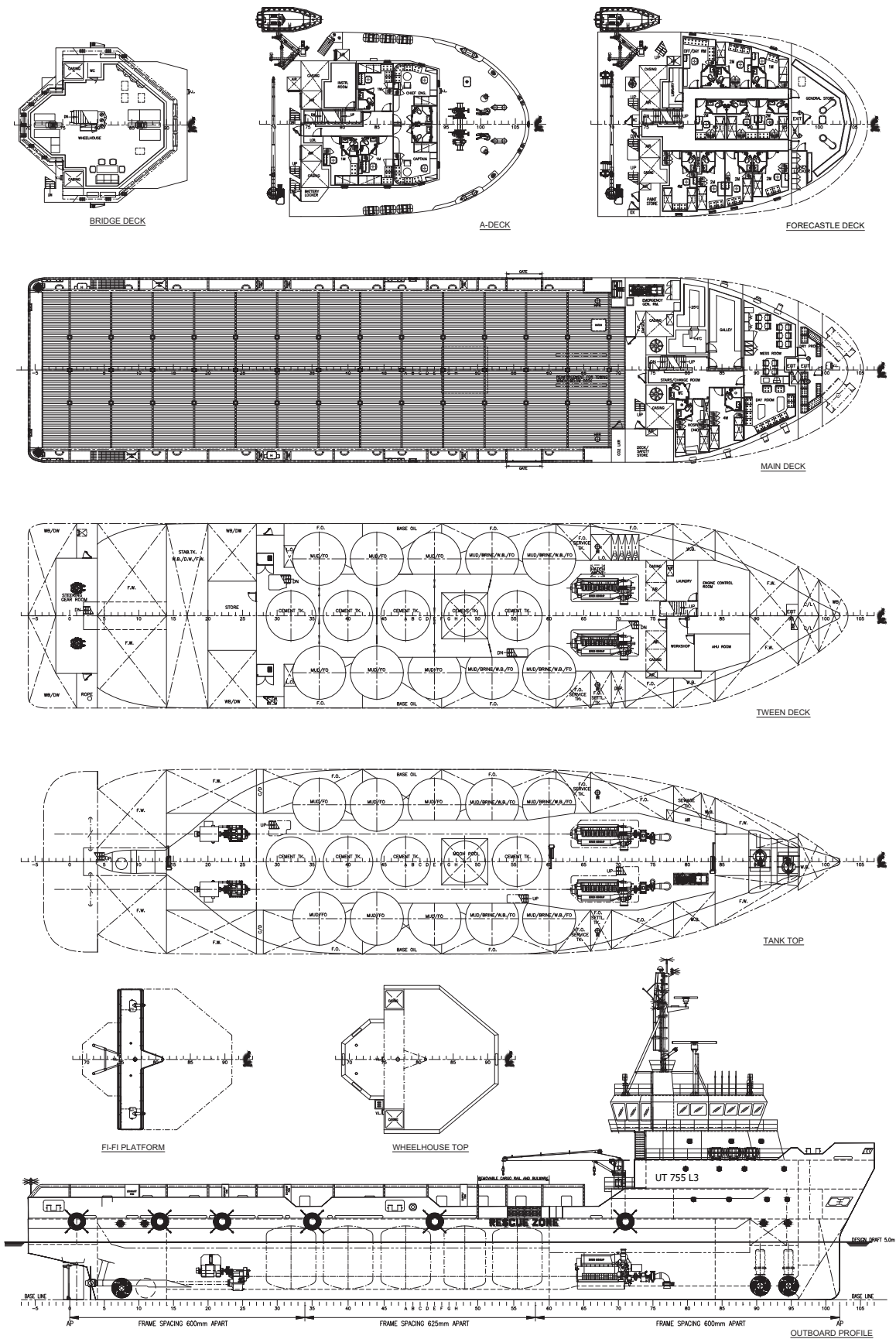
Nav/Comms Equipment

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

Special Equipment

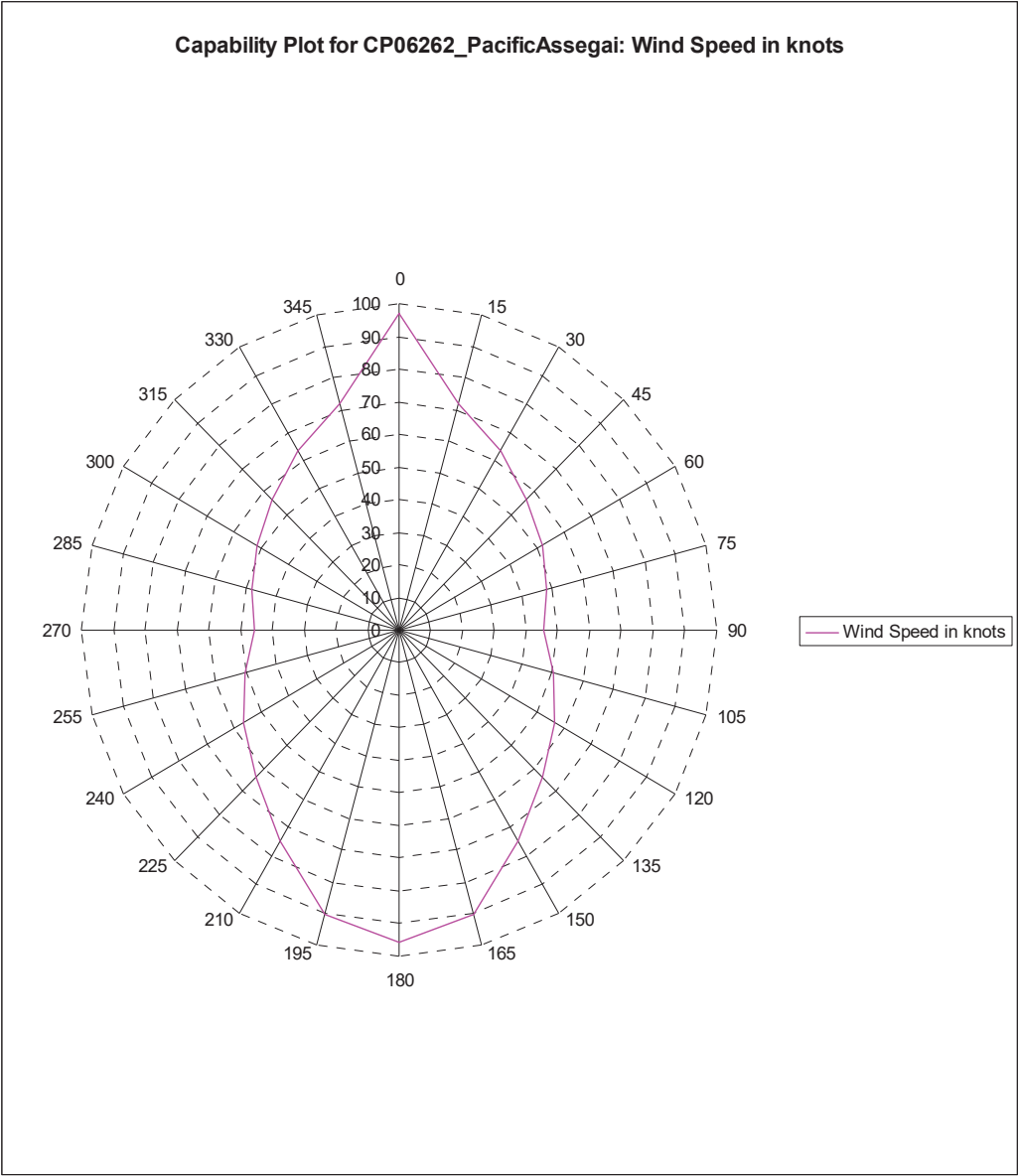
Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based
Mud Circulation System	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner Seabear 23 MKII, 10-Man
Gas Detection:	FIXED GAS DETECTION + 2XPORTABLE SENSORS
Reefer Sockets:	2x 440V 500A; 4x 440V 63A; 1x 220V 32A
Misc:	MSD; Paraguard Type Stretcher; Scramble nets P/S; Food Waste Grinder, Winching Zone

*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.



Wind Angle is stepped from 0 to 360 deg.
Wave Angle is stepped from 0 to 360 deg.
Current Angle is stepped from 0 to 360 deg.

Wind Speed is Set Automatically.
Wave Height is Derived from Wind Speed.
Current Speed is 1.5 knots.

