



PACIFIC AURORA as shown, PACIFIC ASSEGAI similar

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:	5,010 lt	5,090 mt
Deadweight:	3,200 lt	3,250 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:	99,800 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:	1,280 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



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:	14
Hospital:	Yes

Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 168	IMO N ^o : 9358149
Year Built: 2006	Call Sign: YJQB9
Builder:	Pan-United Marine Limited
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

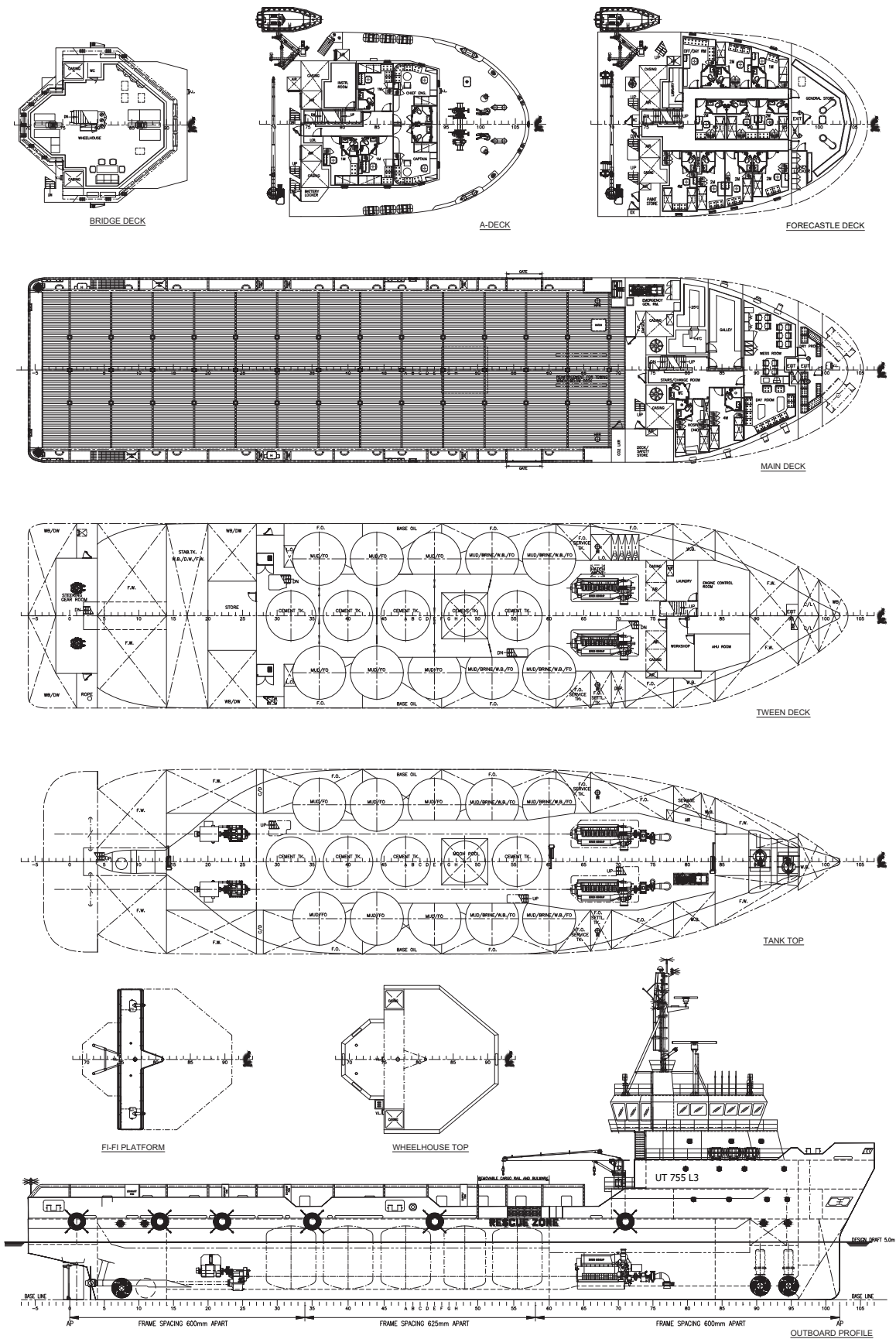
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
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 2 x Laser-based
Mud Circulation System	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner Seabear 23 MKII, 10-Man
Fuel Monitoring:	AQUAMENTRO RMS
Gas Detection:	FIXED GAS DETECTION + 2XPORTABLE SENSORS
Reefer Sockets:	2x 440V 500A; 4x 440V 63A; 1x 220V 32A
Misc:	MSD; Paraguard Type Stretcher; Dacon Rescue Scoop (STBD), Scramble nets P/S; Food Waste Grinder, Winching Zone

*Approximate values assuming Ideal Conditions





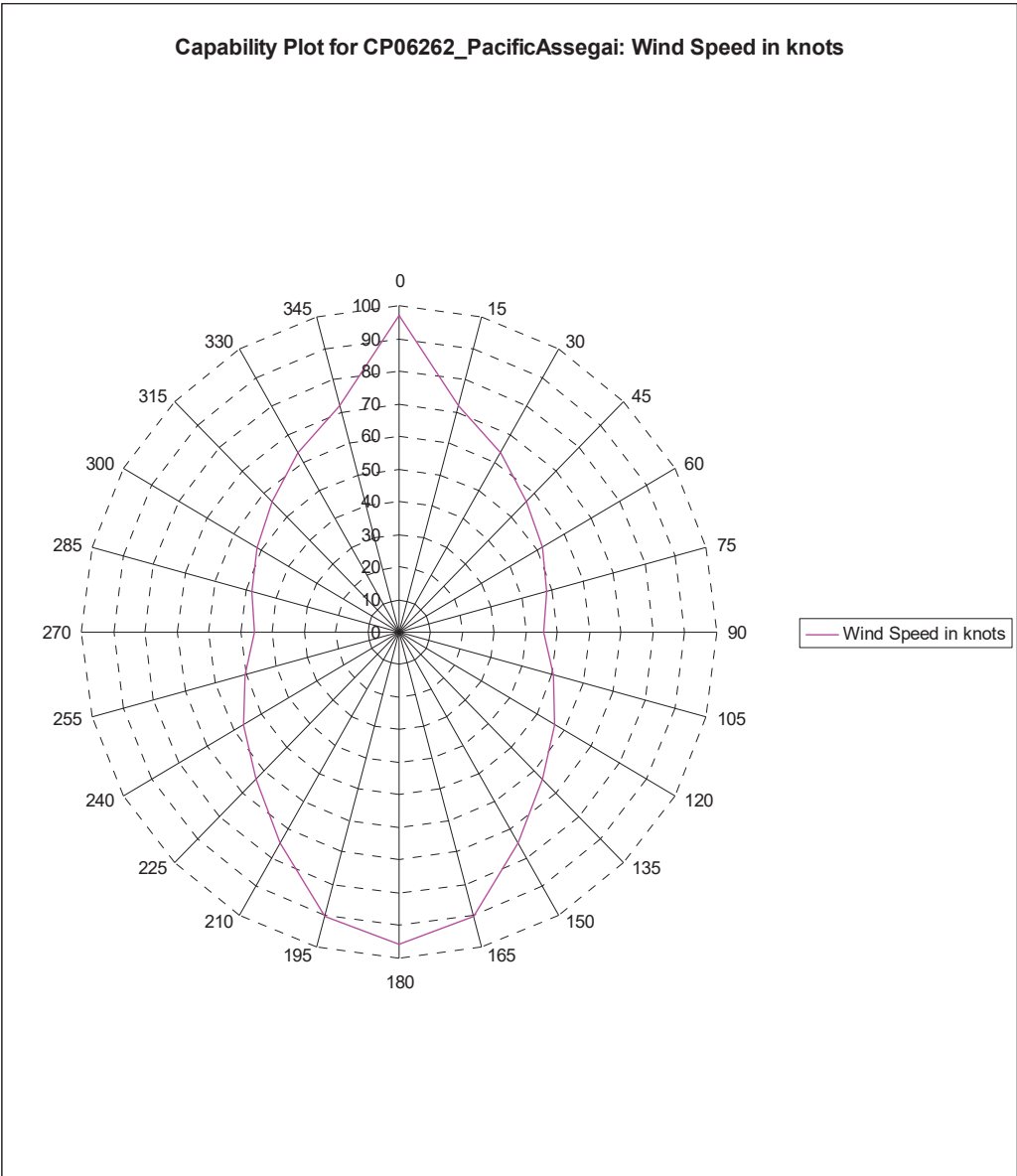
Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
1 FOREPEAK	DW/WB	32.7				32.7								
4 DB/WING TK 2 SB	DW/WB	64.1				64.1								
5 DB/WING TK 2 PS	DW/WB	47.5				47.5								
29 STAB TK NO 1	DW/WB/FW	139.7				139.7		139.7						
51 TOP WING TK 7 SB	DW/WB	50.9				50.9								
52 TOP WING TK 7 PS	DW/WB	50.9				50.9								
54 AFT PEAK TK SB	DW/WB	65.8				65.8								
55 AFT PEAK TK PS	DW/WB	65.8				65.8								
2 DB/WING TK 1 SB	SHIP'S FW	120.5					120.5							
3 DB/WING TK 1 PS	SHIP'S FW	107.7					107.7							
14 WING TK 7 SB	FW	74.5						74.5						
15 WING TK 7 PS	FW	74.4						74.4						
16 WING TK 8 SB	FW	172.7						172.7						
17 WING TK 8 PS	FW	172.7						172.7						
18 DB TK 7 C	FW	20.4						20.4						
19 MUD TK 1 SB	LM/BR/DW/WB/FO	87.7		87.7		87.7				87.7				
20 MUD TK 1 PS	LM/BR/DW/WB/FO	87.7		87.7		87.7				87.7				
21 MUD TK 2 SB	LM/BR/DW/WB/FO	84.6		84.6		84.6				84.6				
22 MUD TK 2 PS	LM/BR/DW/WB/FO	84.6		84.6		84.6				84.6				
23 MUD TK 3 SB	LM/FO	84.6		84.6						84.6				
24 MUD TK 3 PS	LM/FO	84.6		84.6						84.6				
25 MUD TK 4 SB	LM/FO	99.8		99.8						99.8				
26 MUD TK 4 PS	LM/FO	99.8		99.8						99.8				
27 MUD TK 5 SB	LM/FO	99.8		99.8						99.8				
28 MUD TK 5 PS	LM/FO	99.8		99.8						99.8				
10 DB/WING TK 5 SB	FO/BO	101.9	101.9	101.9										
11 DB/WING TK 5 PS	FO/BO	101.9	101.9	101.9										
30 FO SERVICE TK SB	FO	39.1		39.1										
31 FO SERVICE TK PS	FO	39.1		39.1										
53 FO SETTLING TK	FO	34.2		34.2										
6 DB/WING TK 3 SB	FO	134.8		134.8										
7 DB/WING TK 3 PS	FO	153.4		153.4										
8 DB/WING TK 4 SB	FO	144.7		144.7										
9 DB/WING TK 4 PS	FO	144.6		144.6										
12 DB/WING TK 6 SB	FO	143.5		143.5										
13 DB/WING TK 6 PS	FO	143.5		143.5										
CEMENT TANK 1	DRY BULK	64.8			64.8									
CEMENT TANK 2	DRY BULK	46.0			46.0									
CEMENT TANK 3	DRY BULK	64.8			64.8									
CEMENT TANK 4	DRY BULK	64.8			64.8									
CEMENT TANK 5	DRY BULK	64.8			64.8									
32 LO STORES ME	LO	11.4										11.4		
33 LO STORES AUX ENG	LO	3.8										3.8		
34 LO STORES THRUSTER	LO	3.8										3.8		
57 LO STORES GEAR OIL	LO	3.6										3.6		
58 LO STORES STERN TUBE	LO	3.6										3.6		
56 DISPERSANT TK	DISP.	10.8												10.8

***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.

