

PACIFIC RAPIER



UT 738 PSV

Vessel Characteristics

Length, Overall:	211 ft	64.3 m
Beam:	49.2 ft	15 m
Depth:	22 ft	6.7 m
Maximum Draft:	19 ft	5.8 m
Freeboard:	3 ft	0.9 m
Displacement:	3,810 lt	3,870 mt
Deadweight:	2,080 lt	2,120 mt
Clear Deck Space:	112 x 39 ft	34 x 12 m
Clear Deck Area:	3,010 ft ²	405 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	DNV: +1A1, Fire fighter(I), Tug, DYNPOS(AUTR), EO, LFL(*), SF	

Capacities

Deck Cargo:	715 lt	725 t
Fuel Oil:	225,000 gal	850 m ³
Potable Water:	70,000 gal	260 m ³
Fresh Water:	21,900 gal	83 m ³
Drill/Ballast Water:	127,000 gal	480 m ³
Bulk Tanks (4 tanks):	6,600 ft ³	190 m ³
Liquid Mud (2.5 SG*):	3,530 bbl	560 m ³
*Max Structural Specific Gravity		
Methanol:	470 bbl	75 m ³
Oil Dispersant:	4,570 gal	17.3 m ³
Fire Fighting Foam:	4,390 gal	16.6 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.4 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: 12/7/2023



Machinery

Main Engines (2):	BERGEN C25:33L9P		
Total HP:	7,000		
Propellers (2):	TWIN CPP		
Gears (2):	RRM 600AGSC-S/B-KP500ND		
Kort Nozzles:	2		
Rudders (2):	HI-LIFT FLAP RUDDERS		
Primary Generators (2):	270 kw	440 v	60 hz
Driven by:	CAT 3406 DITA		
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 DITA		
Bow Thruster (2):	ULSTEIN 150 TV		
Driven by:	500KW ELECTRIC MOTORS		
Total Thrust:	16.8 st	15.2 mt	
Stern Thruster (2):	ULSTEIN 150 TV		
Driven by:	500KW ELECTRIC MOTORS		
Total Thrust:	16.8 st	15.2 mt	

Performance*

Fuel Consumption Vs Speed		
<i>Maximum:</i>	21.9 m³/day (240 gph) @ 13 knots	
<i>Cruising:</i>	17.5 m³/day (190 gph) @ 12 knots	
<i>Economical:</i>	10.7 m³/day (120 gph) @ 10 knots	
<i>Standby:</i>	1.2 m³/day (13.2 gph) @ 0 knots	
Bollard Pull	96.2 st	87.3 mt
Transfer Rates		
<i>Fuel Oil:</i>	440 gpm @ 300 ft	100 m³/h @ 92 m
<i>Fresh Water:</i>	660 gpm @ 300 ft	150 m³/h @ 92 m
<i>Drill/Ballast Water:</i>	660 gpm @ 300 ft	150 m³/h @ 92 m
<i>Bulk:</i>	27.5 cfm @ 190 ft	46.7 m³/h @ 57 m
<i>Liquid Mud:</i>	330 gpm @ 600 ft	75 m³/h @ 180 m
<i>Brine:</i>	330 gpm @ 600 ft	75 m³/h @ 180 m
<i>Methanol:</i>	220 gpm @ 170 ft	50 m³/h @ 51 m

Tow/Anchor Handling

Winch:	Double Drum Waterfall Type Winch (250T Brake)
<i>Model:</i>	Ulstein Brattvaag SL150W-B2T
<i>Line Pull:</i>	150 mt
<i>Tow/AH Wire:</i>	1,200 m / 1,200 m of 64 mm
Pennant Reels (2):	1,300 m of 64 mm
Shark Jaw:	1 X KARMOY 300 T MBL
Tow Pins:	2 X KARMOY 160 T SWL
Chain Handler:	1X76 MM
Stern Roller:	1 X RRM (2 X 4 M); 300 mt SWL
Misc. Tow Equipment:	1xSpare Store Reel 1000m x 76mm; 1x200 t Smit Towing Bracket

Nav/Comms Equipment

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

Accommodations

No. of Berths:	34
Cabins:	4x1-man, 9x2-man & 3x4-man
Certified to Carry:	34
Galley seating:	12
Hospital:	Yes

Deck Equipment

Anchors (2):	1980 KG HIGH HOLDING POWER
Anchor Chain:	440 m of 36 mm chain per side
Windlass:	6T RRM
Crane (1):	2 t @ 10 m
Capstans (2):	6 t RRM
Tugger (2):	6 t BRATTVAAG

*Approximate values assuming Ideal Conditions



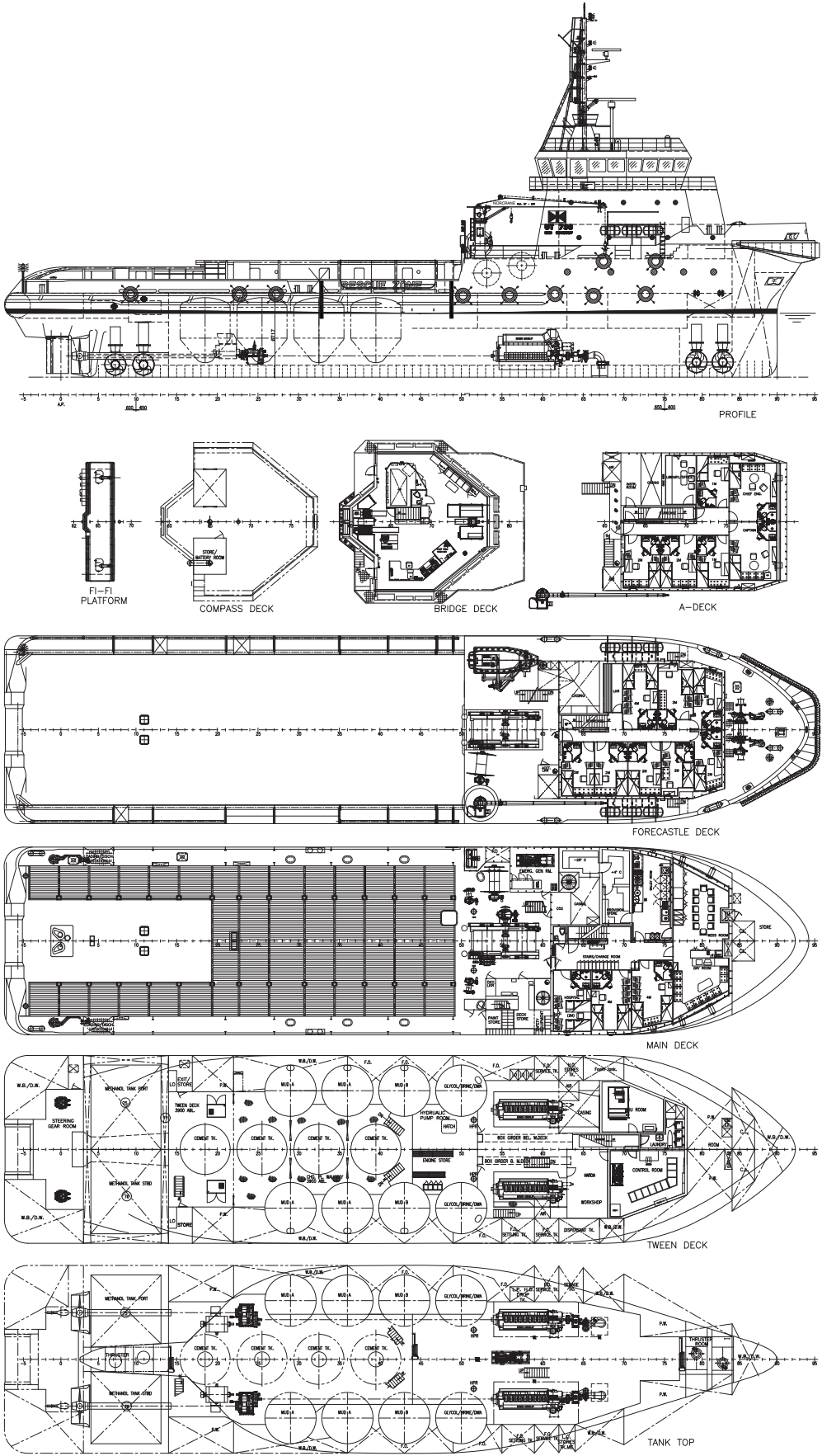
Registration

Flag: SINGAPORE	Home Port: SINGAPORE	
Hull Number: 163	IMO N ^o : 9340037	
Year Built: 2006	Call Sign: 9V5943	
Builder:	PT Pan-United Shipyard Indonesia	
Tonnage (ITC):	1823 GT	548 NT

Special Equipment

Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 2 x Laser-based
Water Maker:	1 X 25T/DAY
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10 Persons
Reefer Sockets:	4x 440V; 5x 220V
Misc:	MSD

*Approximate values assuming Ideal Conditions



Capacity Table



*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.

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