

# PACIFIC LIBERTY



PACIFIC LEGEND as shown, PACIFIC LIBERTY similar

## IMT 997 PSV

### Vessel Characteristics

Length, Overall:	319.2 ft	97.3 m
Beam:	65.6 ft	20 m
Depth:	29.5 ft	9 m
Maximum Draft:	22.3 ft	6.8 m
Light Draft:	11.2 ft	3.4 m
Freeboard:	7.2 ft	2.2 m
Displacement:	9,180 lt	9,330 mt
Deadweight:	5,180 lt	5,260 mt
Clear Deck Space:	187 x 52 ft	57 x 16 m
Clear Deck Area:	9,820 ft <sup>2</sup>	910 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, Fire fighter(I), Offshore service vessel(-Supply), Clean, DYNPOS(AUTR), EO, SF, SPS	

### Capacities

Deck Cargo:	3,300 lt	3,350 t
Fuel Oil:	217,000 gal	820 m <sup>3</sup>
Potable Water:	47,000 gal	180 m <sup>3</sup>
Fresh Water:	238,000 gal	900 m <sup>3</sup>
Drill/Ballast Water:	303,000 gal	1,150 m <sup>3</sup>
Bulk Tanks (5 tanks):	12,000 ft <sup>3</sup>	340 m <sup>3</sup>
Liquid Mud (2.5 SG*):	11,300 bbl	1,800 m <sup>3</sup>
*Max Structural Specific Gravity		
Brine:	6,500 bbl	1,030 m <sup>3</sup>
Oil Dispersant:	4,010 gal	15.2 m <sup>3</sup>

## TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

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.

LAST UPDATE: 11/18/2023



### Machinery

<b>Diesel Electric Vessel</b>			
<i>Propulsive/Total HP:</i>	6,700 / 10,600		
<b>Z-Drives:</b>	Yes		
<b>Propellers (2):</b>	GE ENERGY INOVELIS POD 2500KW FP		
<b>Kort Nozzles:</b>	2		
<b>Primary Generators (4):</b>	1,900 kw	690 v	60 hz
<i>Driven by:</i>	MAN 6L27/38		
<b>Emergency Generators (1):</b>	340 kw	440 v	60 hz
<i>Driven by:</i>	MAN D2876 LE201		
<b>Bow Thruster (3):</b>	BRUNVOLL FU-80-LTC-2250		
<i>Driven by:</i>	965KW ELECTRIC MOTORS		
<b>Total Thrust:</b>	48.5 st	44 mt	

### Deck Equipment

<b>Anchors (2):</b>	3040 KG HIGH HOLDING POWER
<b>Anchor Chain:</b>	330 m of 50 mm chain per side
<b>Windlass:</b>	2 x RRM Winch/Windlass
<b>Crane (1):</b>	5 t @ 15 m
<b>Capstans (2):</b>	10 t RRM
<b>Tugger (2):</b>	10 t RRM

### Accommodations

<b>No. of Berths:</b>	37
<b>Cabins:</b>	15x1-man, 3x2-man & 4x4-man
<b>Certified to Carry:</b>	37
<b>Galley seating:</b>	30
<b>Hospital:</b>	Yes

### Registration

<b>Flag:</b> SINGAPORE	<b>Home Port:</b> SINGAPORE
<b>Hull Number:</b> 10012	<b>IMO N°:</b> 9648398
<b>Year Built:</b> 2015	<b>Call Sign:</b> 9V7311
<b>Builder:</b>	Universal Shipbuilding Corporation
<b>Tonnage (ITC):</b>	5179 GT 1554 NT

### Performance\*

Fuel Consumption Vs Speed		
Maximum:	24 m³/day (260 gph) @ 14 knots	
Cruising:	12.2 m³/day (130 gph) @ 12 knots	
Economical:	8.5 m³/day (93.6 gph) @ 8 knots	
Standby:	2.5 m³/day (27.5 gph) @ 0 knots	
Transfer Rates		
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Bulk:	40 cfm @ 190 ft	68 m³/h @ 57 m
Liquid Mud:	660 gpm @ 300 ft	150 m³/h @ 92 m

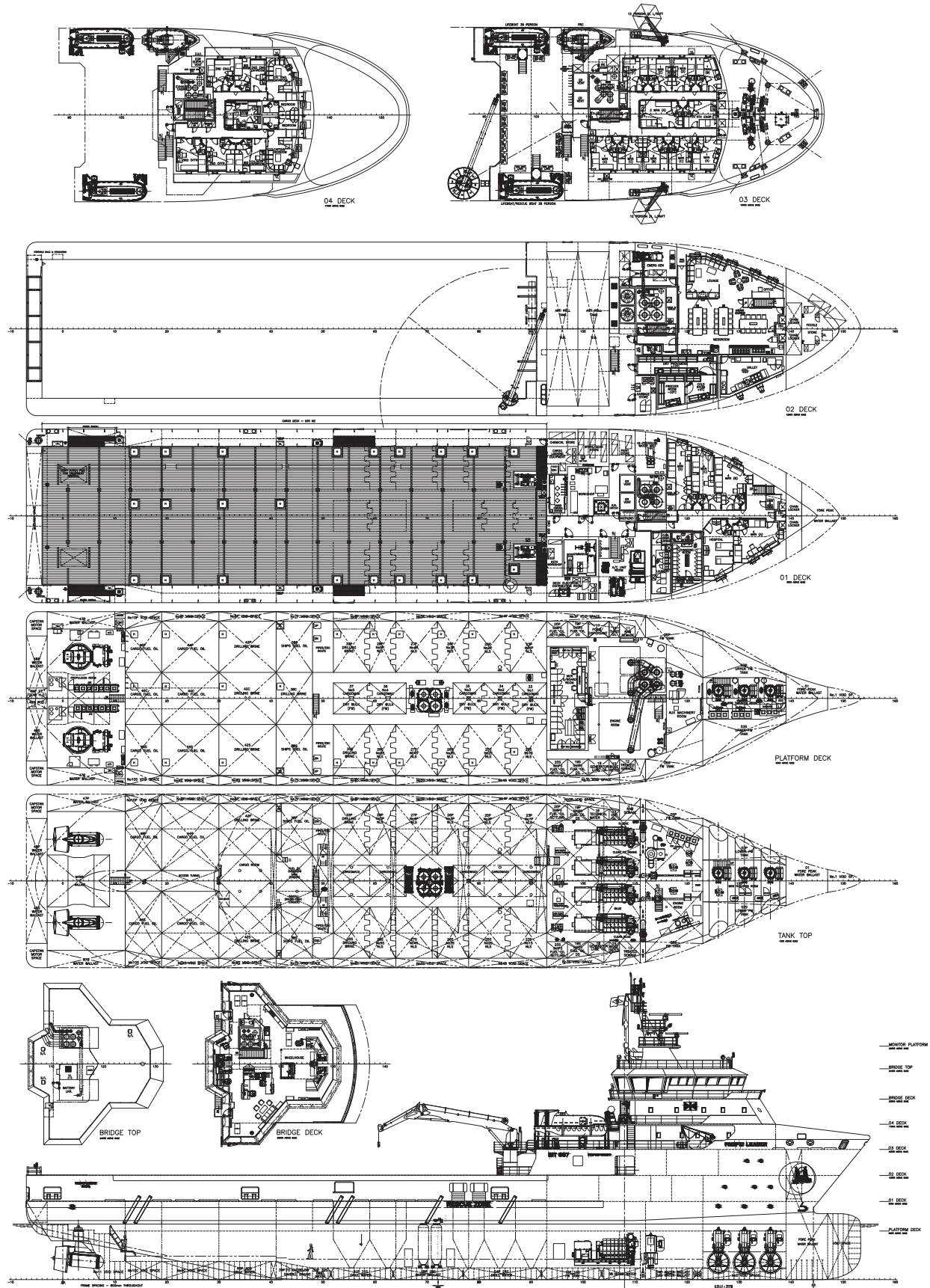
### Nav/Comms Equipment

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

### Special Equipment

<b>Firefighting:</b>	FIFI-1
<b>Dynamic Positioning:</b>	DP-2
<b>Ref. Systems:</b>	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
<b>Mud Circulation System:</b>	Yes
<b>Rescue Zone:</b>	Yes
<b>Rescue Boat:</b>	Maritime Partner MP660 Springer, 10 Persons
<b>SPS Compliant:</b>	Yes
<b>Misc:</b>	2x38P Davit Launched Lifeboats; HiPAP Ready; MSD

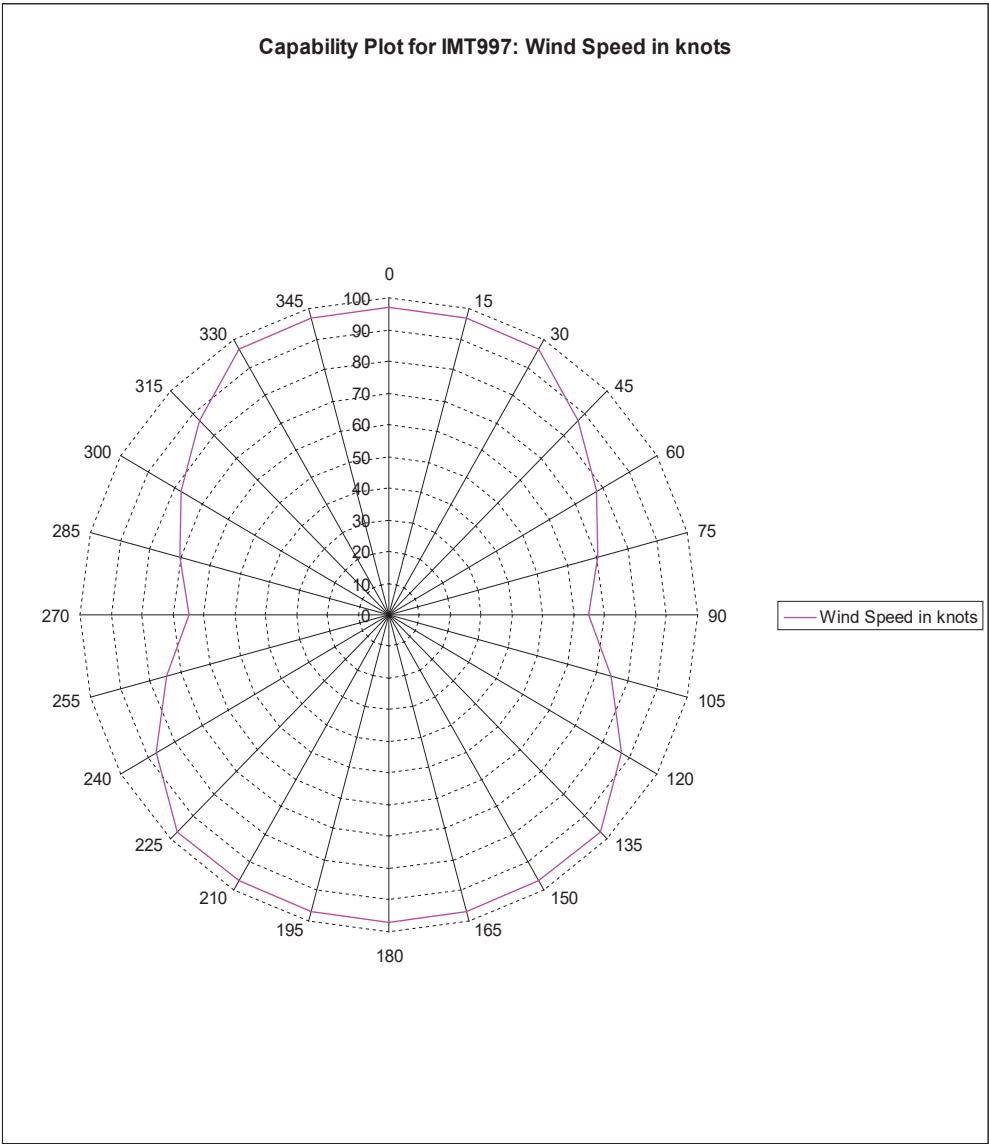
\*Approximate values assuming Ideal Conditions







- \*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.

