



PACIFIC LEGEND as shown, PACIFIC LEGACY 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



### 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> 10010	<b>IMO N°:</b> 9648374
<b>Year Built:</b> 2014	<b>Call Sign:</b> 9V7050
<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

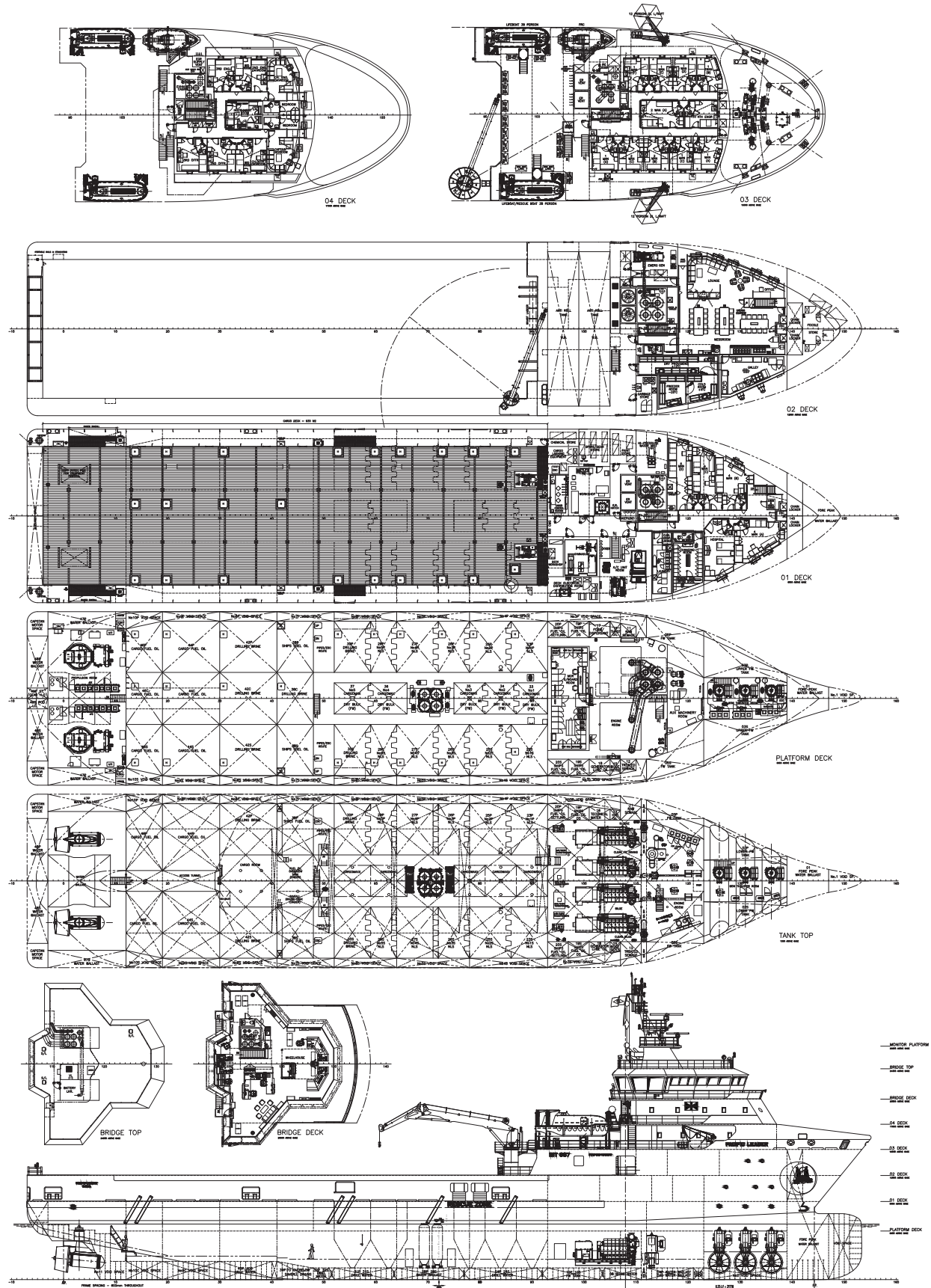
### Nav/Comms Equipment

<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 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

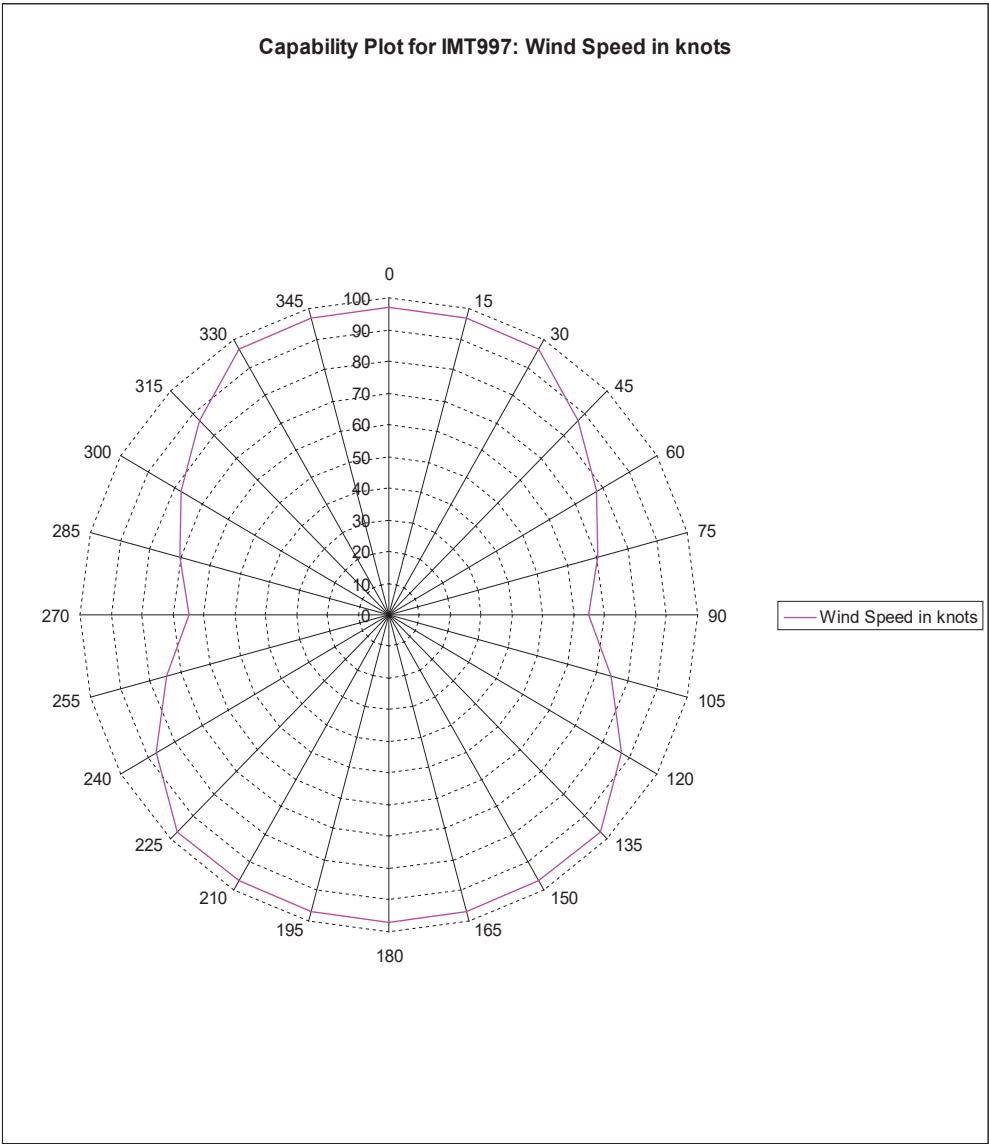
\*Approximate values assuming Ideal Conditions







- \* 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.

