

# PACIFIC LEGEND



## 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), E0, SF, SPS, PMS(M), Clean, DDV(PMS)	

### 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:	136,000 gal	520 m <sup>3</sup>
Drill/Ballast Water:	404,000 gal	1,530 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>
<small>*Max Structural Specific Gravity</small>		
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.3 General Arrangement

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# PACIFIC LEGEND

## Further specifications



### 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		
<i>Total Thrust:</i>	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> LIBERIA	<b>Home Port:</b> MONROVIA
<b>Hull Number:</b> 10011	<b>IMO N<sup>o</sup>:</b> 9648386
<b>Year Built:</b> 2014	<b>Call Sign:</b> 5LSR6
<b>Builder:</b>	Japan Marine United Corporation
<b>Tonnage (ITC):</b>	5179 GT / 1554 NT

### Performance\*

<b>Fuel Consumption Vs Speed</b>		
<i>Maximum:</i>	24 m <sup>3</sup> /day (260 gph) @ 14 knots	
<i>Cruising:</i>	12.2 m <sup>3</sup> /day (130 gph) @ 12 knots	
<i>Economical:</i>	8.5 m <sup>3</sup> /day (93.6 gph) @ 8 knots	
<i>Standby:</i>	2.5 m <sup>3</sup> /day (27.5 gph) @ 0 knots	
<b>Transfer Rates</b>		
<i>Fuel Oil:</i>	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
<i>Fresh Water:</i>	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
<i>Drill/Ballast Water:</i>	660 gpm @ 300 ft	150 m <sup>3</sup> /h @ 92 m
<i>Bulk:</i>	40 cfm @ 190 ft	68 m <sup>3</sup> /h @ 57 m
<i>Liquid Mud:</i>	440 gpm @ 600 ft	100 m <sup>3</sup> /h @ 183 m

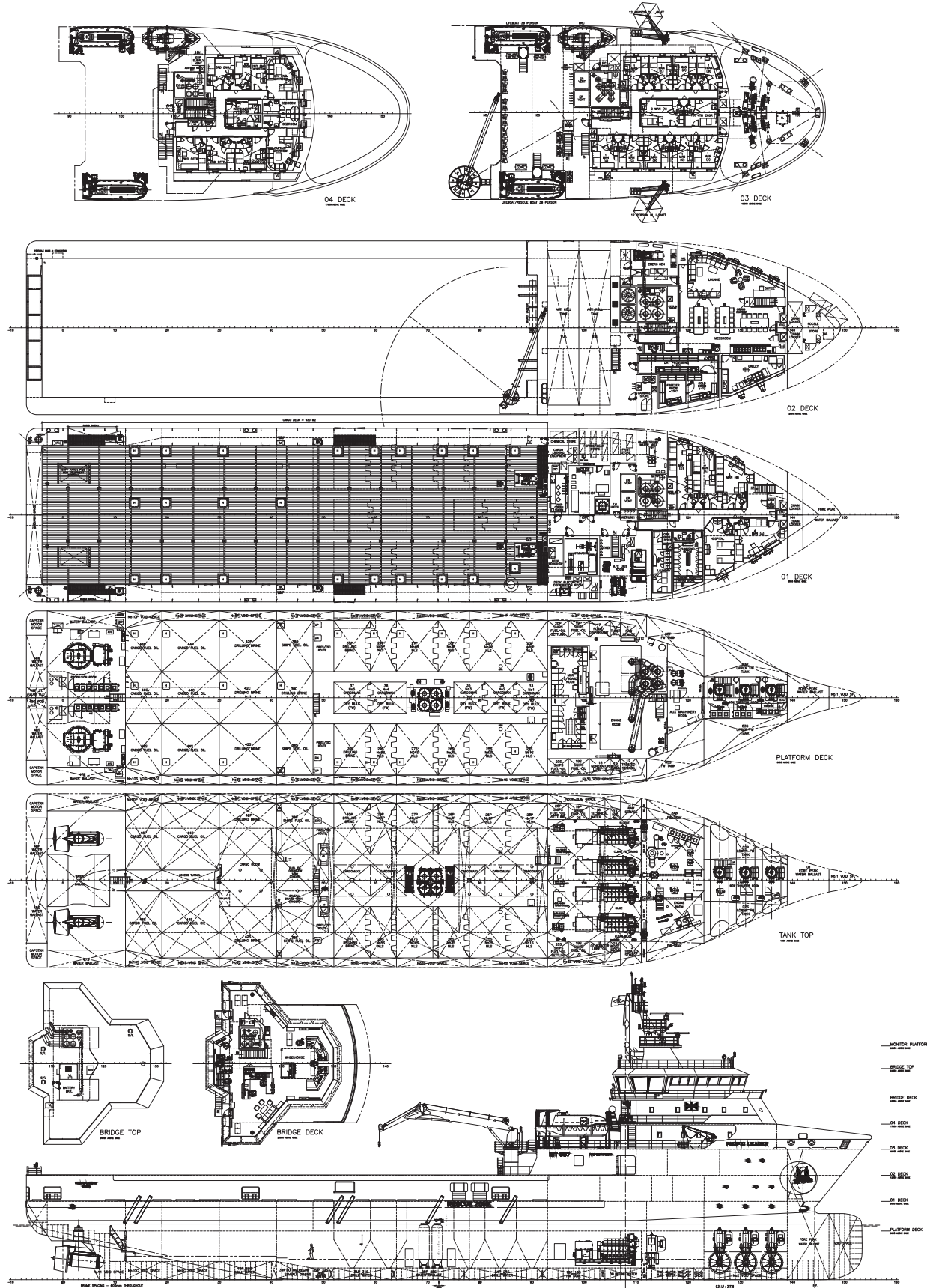
### Nav/Comms Equipment

<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>	STARLINK, 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>Fuel Monitoring:</b>	FUELTRAX
<b>SPS Compliant:</b>	Yes
<b>Reefer Sockets:</b>	4x 440V 32A, 4x 440V 63A
<b>Misc:</b>	2x38P Davit Launched Lifeboats; HiPAP Ready; MSD

\*Approximate values assuming Ideal Conditions





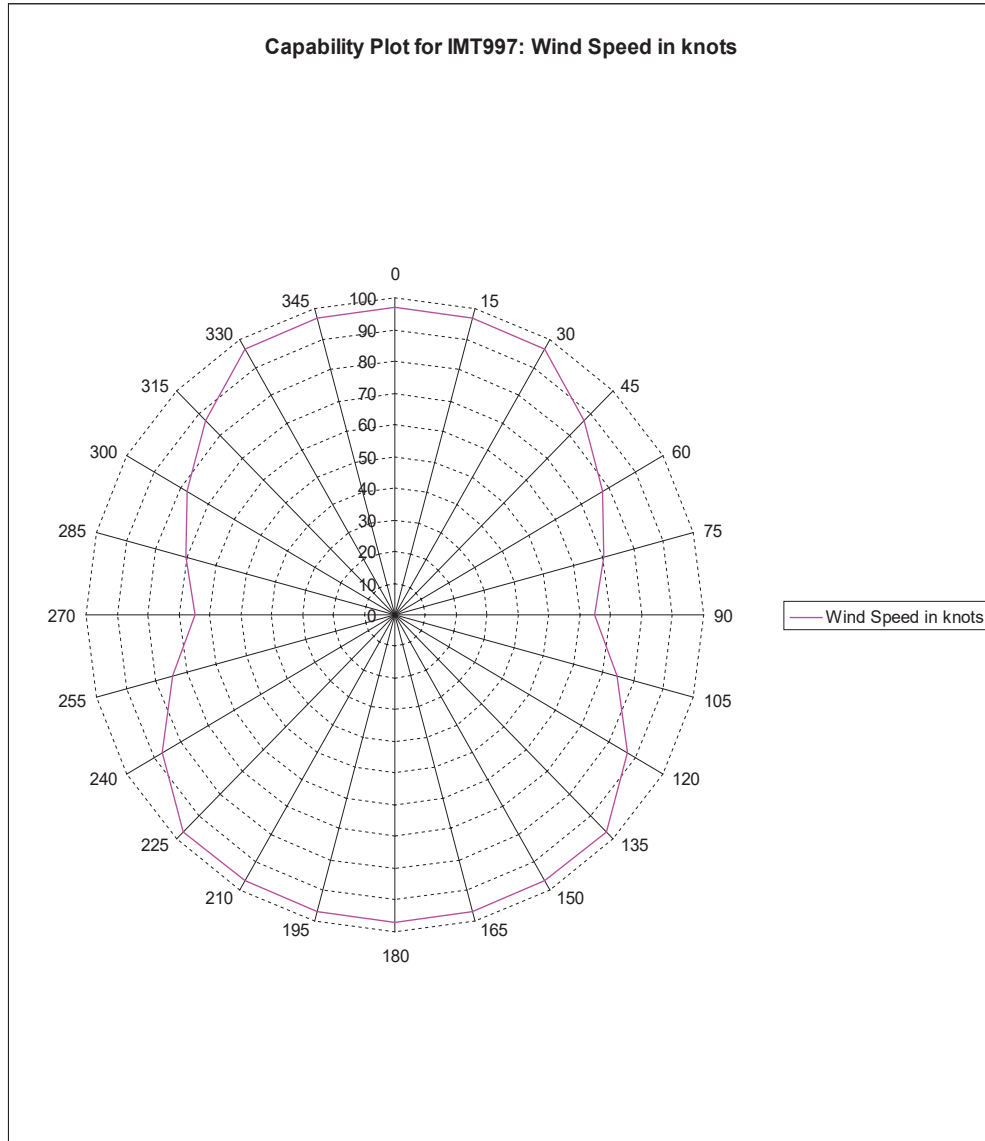
Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
01 FP WATER BALLAST	DW/WB	174.0				174.0								
04P WATER BALLAST DB	DW/WB	57.4				57.4								
04S WATER BALLAST DB	DW/WB	60.2				60.2								
24P DRILL WATER DB	DW	63.0				63.0								
24S DRILL WATER DB	DW	63.0				63.0								
28P WATER BALLAST DB	DW/WB	58.2				58.2								
28S WATER BALLAST DB	DW/WB	58.2				58.2								
31P DRILL WATER DB	DW	49.6				49.6								
31S DRILL WATER DB	DW	49.6				49.6								
32P DRILL WATER DB	DW	30.5				30.5								
32S DRILL WATER DB	DW	30.2				30.2								
40P DRILL WATER DB	DW	49.1				49.1								
40S DRILL WATER DB	DW	47.9				47.9								
43P WATER BALLAST DB	DW/WB	44.8				44.8								
43S WATER BALLAST DB	DW/WB	44.8				44.8								
45P WATER BALLAST DB	DW/WB	27.2				27.2								
45S WATER BALLAST DB	DW/WB	27.2				27.2								
47P WATER BALLAST WG	DW/WB	42.2				42.2								
47S WATER BALLAST WG	DW/WB	42.2				42.2								
47C WATER BALLAST DB	DW/WB	51.1				51.1								
21 No1 ANTI-ROLL TANK	DW/WB	190.5				190.5								
22 No2 ANTI-ROLL TANK	DW/WB	190.5				190.5								
48P WATER BALLAST AP	DW/WB	38.7				38.7								
48S WATER BALLAST AP	DW/WB	38.7				38.7								
02P Lower FW Tank	FW	66.5						66.5						
02S Lower FW Tank	FW	66.5						66.5						
03P Upper FW Tank	SHIP'S FW	88.9					88.9							
03S Upper FW Tank	SHIP'S FW	88.9					88.9							
05S FW Tank	FW	146.4						146.4						
05P FW Tank	FW	146.4						146.4						
10P FW DB Tank	FW	45.2						45.2						
10S FW DB Tank	FW	45.2						45.2						
19P SHIPS FO DS	FO	32.6		32.6										
19S SHIPS FO DS	FO	32.6		32.6										
19P SHIPS FO SETTLING TK	FO	34.2		34.2										
19S SHIPS FO SETTLING TK	FO	34.2		34.2										
38P SHIPS FO TK	FO	180.3		180.3										
38S SHIPS FO TK	FO	180.3		180.3										
44P CARGO FO TK	FO	221.6		221.6										
44S CARGO FO TK	FO	221.6		221.6										
44C CARGO FO TK	FO	110.6		110.6										
46P CARGO FO TK	FO	98.3		98.3										
46S CARGO FO TK	FO	98.3		98.3										
46C CARGO FO TK	FO	71.0		71.0										
23P NO1P NLS	LM	182.5								182.5				
23S NO1S NLS	LM	182.5								182.5				
25P NO2P NLS	LM	221.7								221.7				
25S NO2S NLS	LM	221.7								221.7				
26P NO3P NLS	LM	156.5								156.5				
26S NO3S NLS	LM	156.5								156.5				
27P NO4P NLS	LM	208.6								208.6				
27S NO4S NLS	LM	208.6								208.6				
29P NO5P NLS	LM	130.4								130.4				
29S NO5S NLS	LM	130.4								130.4				
30P DRILLING BRINE	BRINE	164.7							164.7					
30S DRILLING BRINE	BRINE	169.5							169.5					
38C DRILLING BRINE	BRINE	74.4							74.4					
42P DRILLING BRINE	BRINE	253.8							253.8					
42S DRILLING BRINE	BRINE	253.8							253.8					
42C DRILLING BRINE	BRINE	117.8							117.8					
33 CARGOMAXX DRY BULK	DRY BULK	64.0			64.0									
34 CARGOMAXX DRY BULK	DRY BULK	64.0			64.0									
35 CARGOMAXX DRY BULK	DRY BULK	64.0			64.0									
36 CARGOMAXX DRY BULK	DRY BULK	74.5			74.5									
37 CARGOMAXX DRY BULK	DRY BULK	74.5			74.5									
14 THRUSTER OIL	LO	7.1										7.1		
18 GENERATOR LUBE OIL	LO	29.4										29.4		
49 POD LO TANK	LO	6.6										6.6		
17 DISPERSANT	DISP.	15.2												15.2
Total Volume [m <sup>3</sup> ]			0.0	1,315.6	340.8	1,528.5	177.8	516.3	1,033.9	1,799.5	0.0	43.1	0.0	15.2
Spec Sheet Total Volume [m <sup>3</sup> ]			0.0	821.4	340.8	1,528.5	177.8	516.3	1,033.9	1,799.5	0.0	43.1	0.0	15.2

\*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.

