

PACIFIC LIBERTY



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 ²	910 m ²
Deck Strength FWD:	1,020 lb/ft ²	5 t/m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
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 ³
Potable Water:	47,000 gal	180 m ³
Fresh Water:	136,000 gal	520 m ³
Drill/Ballast Water:	404,000 gal	1,530 m ³
Bulk Tanks (5 tanks):	12,000 ft ³	340 m ³
Liquid Mud (2.5 SG*):	11,300 bbl	1,800 m ³
<small>*Max Structural Specific Gravity</small>		
Brine:	6,500 bbl	1,030 m ³
Oil Dispersant:	4,010 gal	15.2 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
Pg.5 DP Capability Plot



Machinery

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

Deck Equipment

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

Accommodations

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

Registration

Flag: ISLE OF MAN	Home Port: DOUGLAS
Hull Number: 10012	IMO N°: 9648398
Year Built: 2015	Call Sign: MRRW9
Builder:	Japan Marine United Corporation
Tonnage (ITC):	5179 GT / 1554 NT

Performance*

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

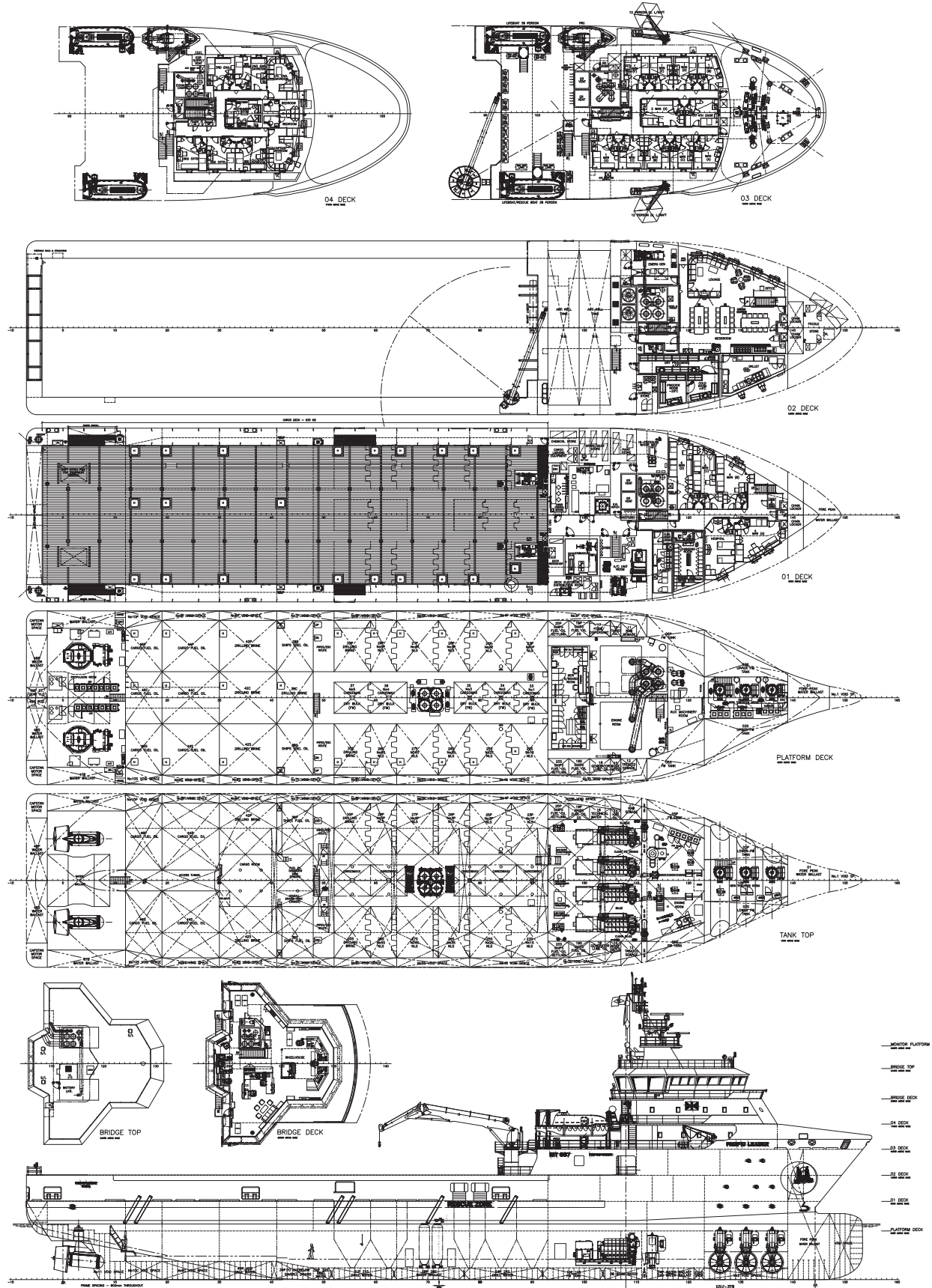
Nav/Comms Equipment

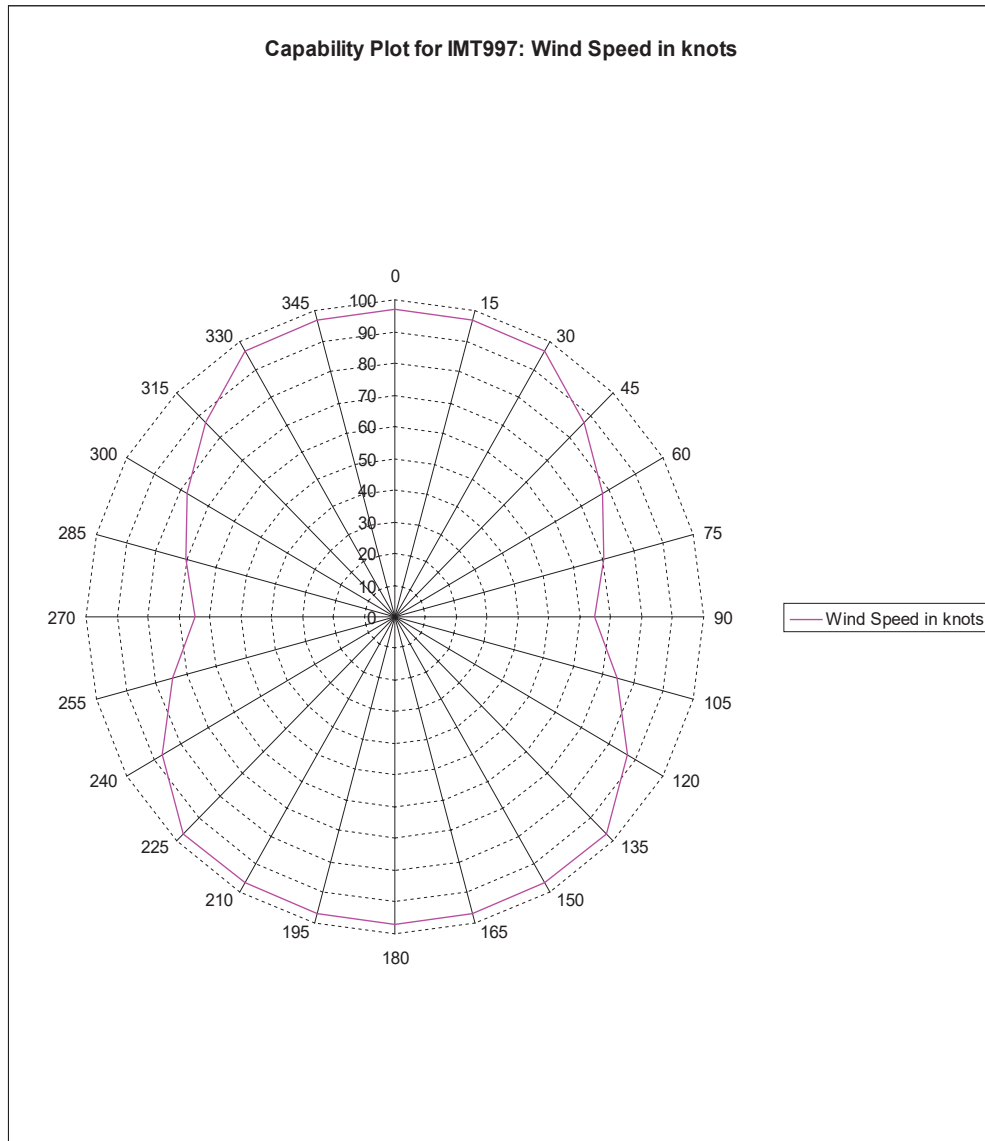
Radar(s):	2
Depth Sounder:	1
Cyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	2 x VHF; 1 x SSB
Sat Com:	STARLINK, 2 X INMARSAT C

Special Equipment

Firefighting:	FIFI-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10 Persons
SPS Compliant:	Yes
Reefer Sockets:	4x 440V 32A, 4x 440V 63A
Misc:	2x38P Davit Launched Lifeboats; HiPAP Ready; MSD

*Approximate values assuming Ideal Conditions





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.

