# PACIFIC LEGACY

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 $ft^2$ | 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*):** *Max Structural Specific Gravity | 11,300 bbl | 1,800 $m^3$ |
| **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

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## Further specifications

## Machinery

| | | | |
|---|---|---|---|
| **Diesel Electric Vessel** | | | |
| *Propulsive/Total HP:* | | | 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 |
| *Driven by:* | | | MAN 6L27/38 |
| **Emergency Generators (1):** | 340 kw | 440 v | 60 hz |
| *Driven by:* | | | MAN D2876 LE201 |
| **Bow Thruster (3):** | | | BRUNVOLL FU-80-LTC-2250 |
| *Driven by:* | | | 965KW ELECTRIC MOTORS |
| *Total Thrust:* | | 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:** INDONESIA | | **Home Port:** JAKARTA |
| **Hull Number:** 10010 | | **IMO N$^{O}$:** 9648374 |
| **Year Built:** 2014 | | **Call Sign:** YDFN3 |
| **Builder:** | | Japan Marine United Corporation |
| **Tonnage (ITC):** | 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:* | 440 gpm @ 600 ft | 100 m³/h @ 183 m |

## Nav/Comms Equipment

| | |
|---|---|
| **Radar(s):** | 2 |
| **Depth Sounder:** | 1 |
| **Gyro 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<br>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 220V 63A |
| **Misc:** | 2x38P Davit Launched Lifeboats; HiPAP Ready; MSD |

*Approximate values assuming Ideal Conditions

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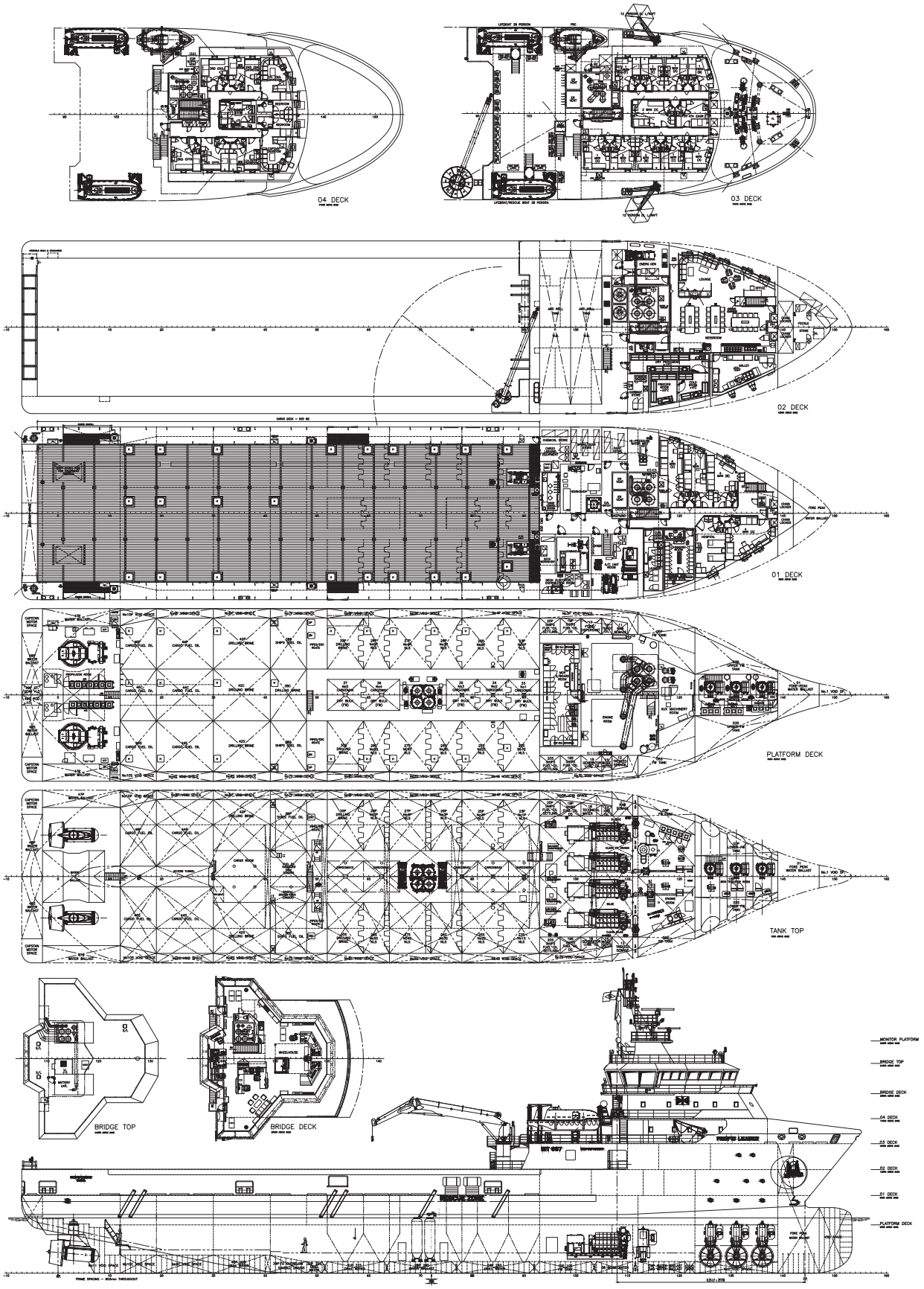
# PACIFIC LEGACY

## General Arrangement (Current configuration may vary.)

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# PACIFIC LEGACY

## Capacity Table

| Tank | Contents | Volume $m^3$ | 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 [$m^3$] | | | 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 [$m^3$] | | | 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.



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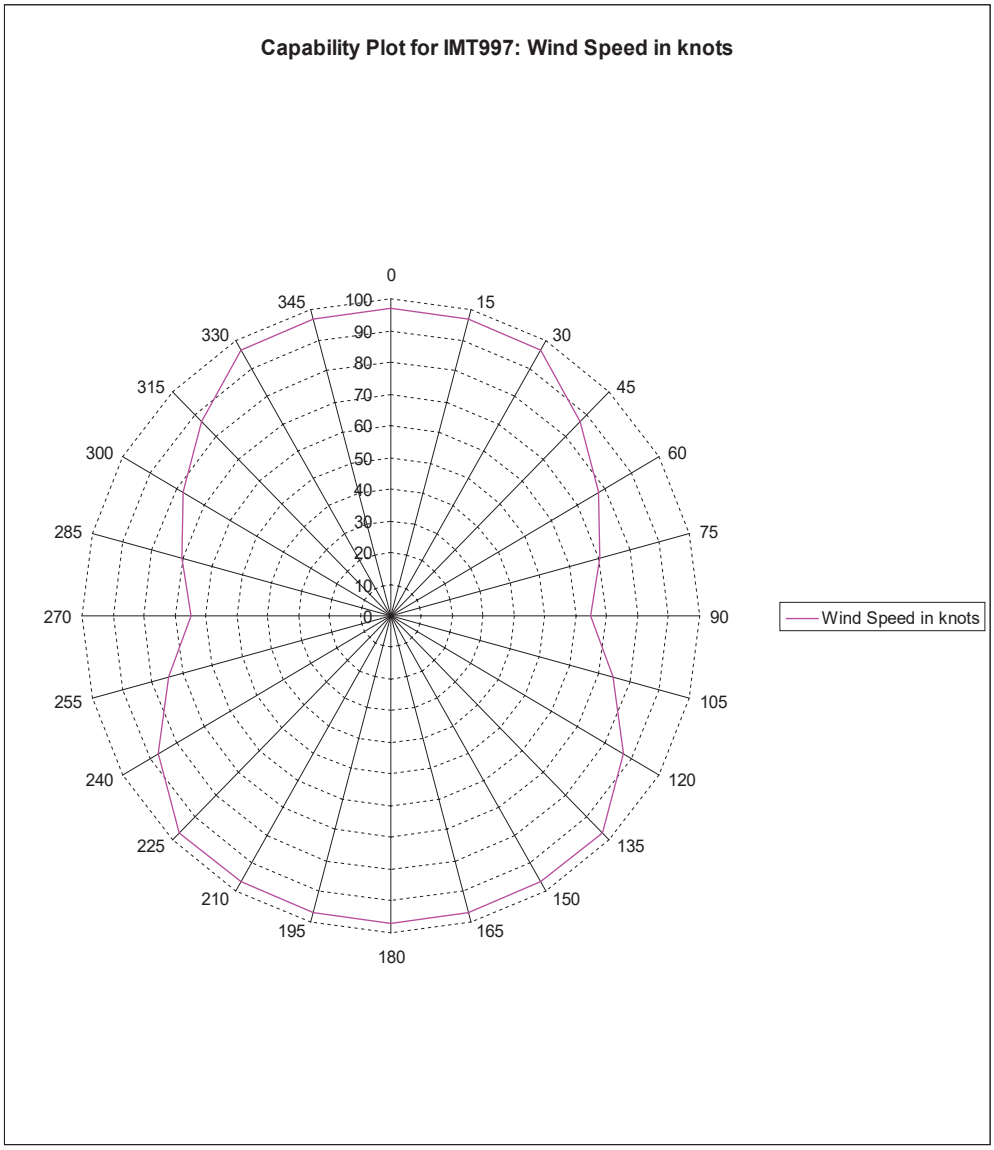
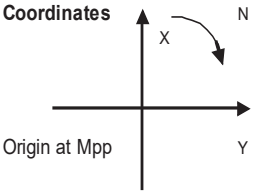
## DP Capability Plot




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.

**Coordinates**




**Weather Direction**

Wind — 0 degrees
Current — at
Waves — 90 degrees

**Ship Direction**

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