



IMT 966 AHTS

Vessel Characteristics

Length, Overall:	216.5 ft	66 m
Beam:	52.5 ft	16 m
Depth:	24 ft	7.3 m
Maximum Draft:	20.3 ft	6.2 m
Freeboard:	3.6 ft	1.1 m
Displacement:	4,530 lt	4,600 mt
Deadweight:	2,460 lt	2,500 mt
Clear Deck Space:	107 x 42 ft	33 x 13 m
Clear Deck Area:	4,480 ft ²	420 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	DNV: +1A, Fire fighter(I), Offshore service vessel(Anchor handling, Towing), DYNPOS(AUTR), EO	

Capacities

Deck Cargo:	860 lt	870 t
Fuel Oil:	299,000 gal	1,130 m ³
Potable Water:	120,000 gal	460 m ³
Drill/Ballast Water:	246,000 gal	930 m ³
Bulk Tanks (4 tanks):	6,530 ft ³	180 m ³
Liquid Mud (2.5 SG*):	2,920 bbl	460 m ³
*Max Structural Specific Gravity		
Brine:	780 bbl	120 m ³
Oil Dispersant:	2,550 gal	9.6 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.4 General Arrangement

Pg.5 Capacity Table
Pg.6 DP Capability Plot



Machinery

Main Engines (2):	MAN 9L27/38		
Total HP:	8,810		
Propellers (2):	MAN CPP		
Gears (2):	MAN		
Kort Nozzles:	2		
Rudders (2):	HI-LIFT FLAP RUDDERS		
Primary Generators (1):	270 kw	440 v	60 hz
Driven by:	CAT 3406		
Secondary Generators (2):	1,280 kw	440 v	60 hz
Driven by:	MAIN ENGINES		
Emergency Generators (1):	270 kw	440 v	60 hz
Driven by:	CAT 3406		
Bow Thruster (2):	BRUNVOLL FU-63-LTC-1550		
Driven by:	600KW ELECTRIC MOTORS		
Total Thrust:	20.1 st	18.2 mt	
Stern Thruster (2):	BRUNVOLL FU-63-LTC-1550		
Driven by:	600KW ELECTRIC MOTORS		
Total Thrust:	20.1 st	18.2 mt	

Performance*

Fuel Consumption Vs Speed		
<i>Maximum:</i>	271 m³/day (300 gph) @ 13 knots	
<i>Cruising:</i>	20.7 m³/day (230 gph) @ 11 knots	
<i>Economical:</i>	15 m³/day (170 gph) @ 10 knots	
<i>Standby:</i>	1.3 m³/day (14.3 gph) @ 0 knots	
Bollard Pull	140 st	130 mt
Transfer Rates		
<i>Fuel Oil:</i>	440 gpm @ 230 ft	100 m³/h @ 71 m
<i>Potable Water:</i>	660 gpm @ 230 ft	150 m³/h @ 71 m
<i>Drill/Ballast Water:</i>	660 gpm @ 230 ft	150 m³/h @ 71 m
<i>Bulk:</i>	27.3 cfm @ 190 ft	46.3 m³/h @ 57 m
<i>Liquid Mud:</i>	330 gpm @ 600 ft	75 m³/h @ 180 m
<i>Brine:</i>	330 gpm @ 600 ft	75 m³/h @ 180 m

Tow/Anchor Handling

Winch:	Double Drum Winch (320T Brake)
<i>Model:</i>	Hydrakraft/Odim 250T Waterfall
<i>Line Pull:</i>	250 mt
<i>Tow/AH Wire:</i>	1,500 m / 1,500 m of 71 mm
Pennant Reels (2):	1,500 m of 71 mm
Shark Jaw:	2 X 300 T SWL
Tow Pins:	2 X 160 T SWL
Chain Lockers (1):	2,400 m of 76mm chain
Chain Handler:	1X76MM + 1X84MM
Stern Roller:	RRM SINGLE DRUM (2 X 5.5 M); 400 mt SWL
Misc. Tow Equipment:	1xSpare Store Reel 1000m x 76mm; 1x200 t Smit Towing Bracket

Nav/Comms Equipment

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

Accommodations

No. of Berths:	30
Cabins:	8x1-man, 3x2-man & 4x4-man
Certified to Carry:	30
Galley seating:	14
Hospital:	Yes

Deck Equipment

Anchors (2):	2100 KG
Anchor Chain:	440 m of 36 mm chain per side
Windlass:	10T Hydrakraft
Crane (1):	5 t @ 13 m
Capstans (2):	10 t HYDRAKRAFT
Tugger (2):	10 t HYDRAKRAFT

*Approximate values assuming Ideal Conditions



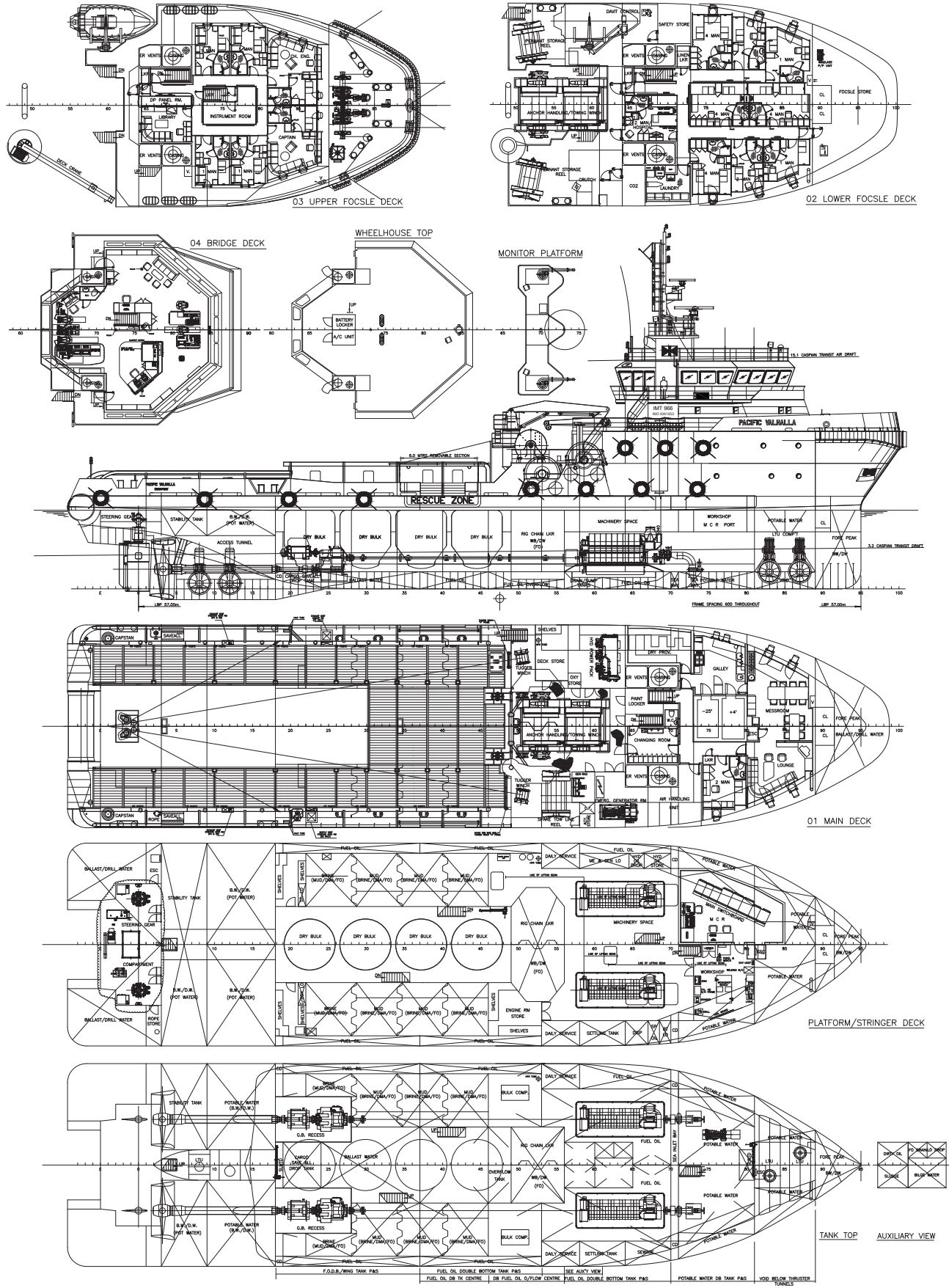
Registration

Flag: SINGAPORE	Home Port: SINGAPORE	
Hull Number: 167	IMO N ^o : 9361691	
Year Built: 2009	Call Sign: 9V2034	
Builder:	P.T. Nanindah Mutiara Shipyard	
Tonnage (ITC):	2147 GT	644 NT

Special Equipment

Fire Fighting:	FIFI-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10 Persons
Reefer Sockets:	4x 440V 63A 3ph; 2x 250V 32A 2ph; 2x 500V 32A 3ph
Misc:	MSD; HiPAP Ready; ROV Sockets: 2x500A, 440V, 3ph; 1x63A, 440V, 3ph; 1x32A, 440V, 3ph

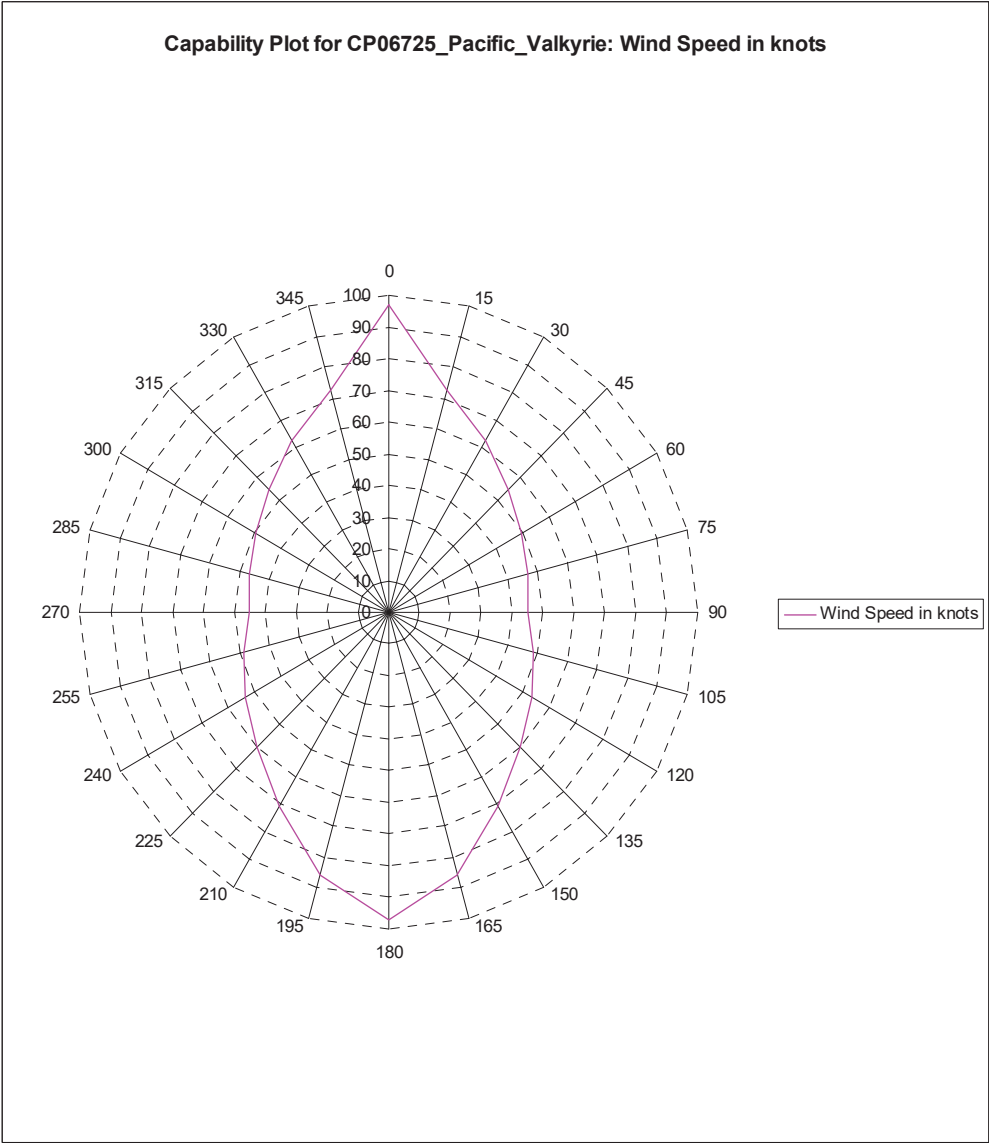
*Approximate values assuming Ideal Conditions





*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.

***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.

