



PACIFIC DEFIANCE as shown, PACIFIC DOVE similar

HAVYARD 844-XL AHTS

Vessel Characteristics

Length, Overall:	301.8 ft	92 m
Beam:	72.2 ft	22 m
Depth:	29.5 ft	9 m
Maximum Draft:	24.6 ft	7.5 m
Freeboard:	4.9 ft	1.5 m
Displacement:	9,950 lt	10,110 mt
Deadweight:	4,470 lt	4,550 mt
Clear Deck Space:	118 x 59 ft	36 x 18 m
Clear Deck Area:	6,980 ft ²	650 m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A, Fire fighter(I), Offshore service vessel(Anchor handling, Towing), Clean, DYNPOS(AUTR), E0, Ice(C), SPS	

Capacities

Deck Cargo:	1,480 lt	1,500 t
Fuel Oil:	482,000 gal	1,820 m ³
Potable Water:	51,800 gal	200 m ³
Fresh Water:	306,000 gal	1,160 m ³
Drill/Ballast Water:	783,000 gal	2,970 m ³
Bulk Tanks (4 tanks):	8,340 ft ³	240 m ³
Liquid Mud (2.5 SG*):	5,410 bbl	860 m ³
*Max Structural Specific Gravity		
Base Oil:	2,860 bbl	450 m ³
Oil Dispersant:	4,580 gal	17.3 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 (4):	MAN 9L27/38		
Total HP:	17,600		
Propellers (2):	MAN CPP		
Gears (2):	RRM SV650-FCF		
Kort Nozzles:	2		
Rudders (2):	RRM HIGH LIFT		
Primary Generators (1):	1,360 kw	440 v	60 hz
Driven by:	CAT 3512B		
Secondary Generators (2):	2,800 kw	440 v	60 hz
Driven by:	MAIN ENGINES		
Emergency Generators (1):	350 kw	440 v	60 hz
Driven by:	CAT C18		
Bow Thruster (3):	2XBRUNVOLL FU-80-LTC-2000 CP TT, 1XBRUNVOLL AR-63-LNC-1650 DD		
Driven by:	880KW ELECTRIC MOTORS		
Total Thrust:	44.2 st		40.1 mt
Stern Thruster (2):	BRUNVOLL FU-80-LTC-2000 CP TT		
Driven by:	880KW ELECTRIC MOTORS		
Total Thrust:	29.5 st		26.8 mt

Performance*

Fuel Consumption Vs Speed		
Maximum:	45 m³/day (500 gph) @ 14 knots	
Cruising:	32 m³/day (350 gph) @ 13 knots	
Economical:	24 m³/day (260 gph) @ 10 knots	
Standby:	1.8 m³/day (19.8 gph) @ 0 knots	
Bollard Pull	250 st	230 mt
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:	34.7 cfm @ 190 ft	59 m³/h @ 57 m
Liquid Mud:	330 gpm @ 660 ft	75 m³/h @ 180 m
Base Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m

Tow/Anchor Handling

Winch:	Double Drum Winch with Special Handling Drum (500T) (600T Brake)
Model:	RRM Brattvagg
Line Pull:	400 mt
Tow/AH Wire:	3,200 m / 4,100 m of 76 mm
Work Wire:	13,600 m of 76 mm
Secondary Winch (2):	RRM Brattvagg (210T Brake)
Line Pull:	170 mt
Tow Wire:	2,500 m of 160 mm
Pennant Reels (1):	1,500 m of 76 mm
Shark Jaw:	2 X RRM 600 T SWL
Tow Pins:	4 X RRM 400 T MWL
Chain Lockers (4):	8,000 m of 76mm chain
Chain Handler:	2X76 MM + 2X84 MM + 2X105 MM +
Stern Roller:	2 X RRM (3 X 4.5 M); 750 mt SWL
Misc. Tow Equipment:	Stop Pins: 2xRRM 100 t SWL, 1x300 t Smit Towing Bracket; Centering Device: 2xRRM 45 t SWL

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Seed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF
Sat Com:	VSAT/FBB

Accommodations

No. of Berths:	37
Cabins:	29x1-man & 4x2-man
Certified to Carry:	37
Galley seating:	24
Hospital:	Yes

Deck Equipment

Anchors (2):	4320 KG SPEK TYPE
Anchor Chain:	380 m of 50 mm chain per side
Windlass:	RRM Windlass/Mooring Winch LBFMX22050
Crane (2):	5 t @ 10 m
Aux Crane (1):	5 t @ 15 m
Capstans (2):	15 t RRM
Tugger (2):	24 t RRM
Aux Tugger (1):	17 t RRM (FWD)

*Approximate values assuming Ideal Conditions



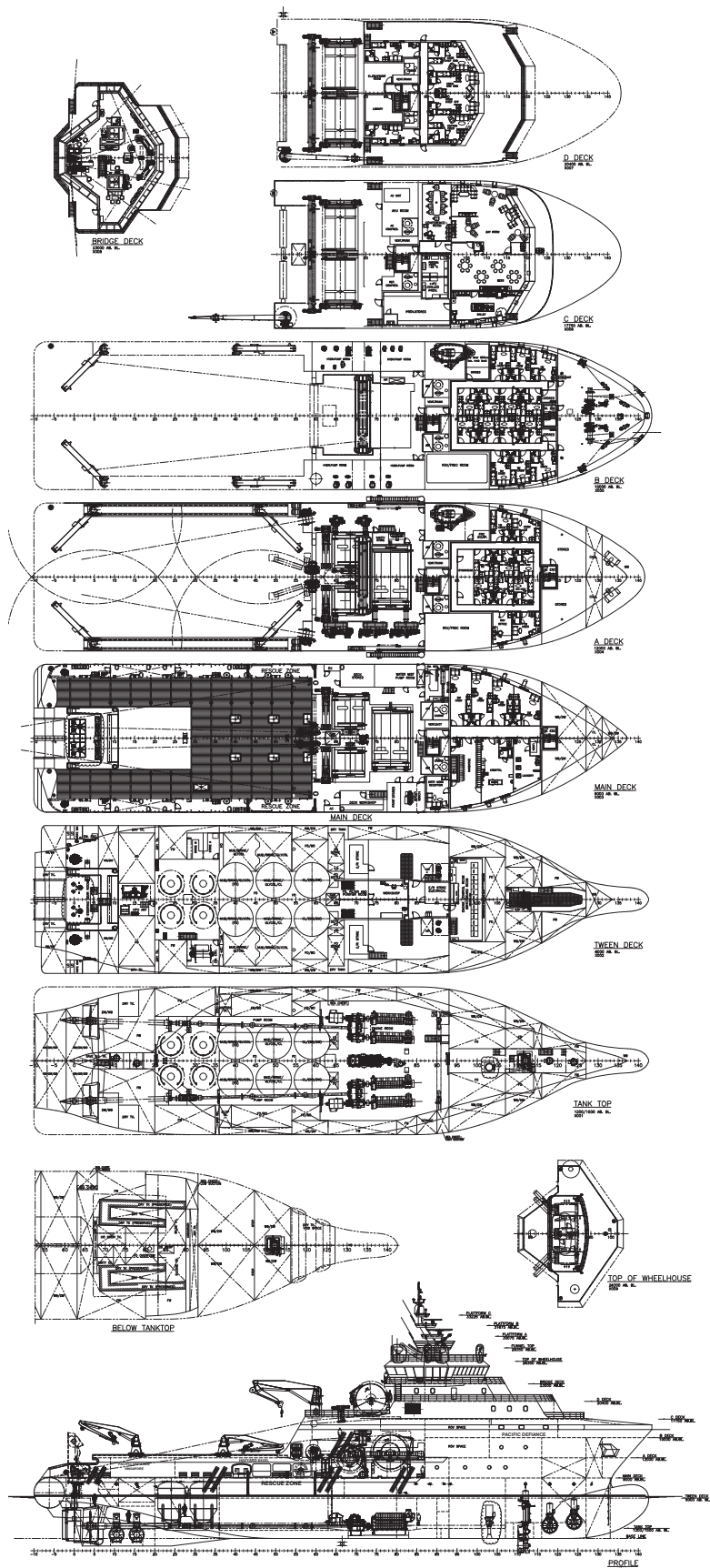
Registration

Flag: SINGAPORE	Home Port: SINGAPORE	
Hull Number: 631	IMO N ^o : 9631412	
Year Built: 2014	Call Sign: 9V9509	
Builder:	Singapore Technologies Marine Ltd.	
Tonnage (ITC):	6641 GT	1992 NT

Special Equipment

Fire Fighting:	FIFI-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10-Man
SPS Compliant:	Yes
Misc:	ROV Garage (L x W x H: 9 x 5 x 5.5 m); 1x200 MT RRM Anchor Recovery Frame; MSD - 55 Persons; HiPAP Ready

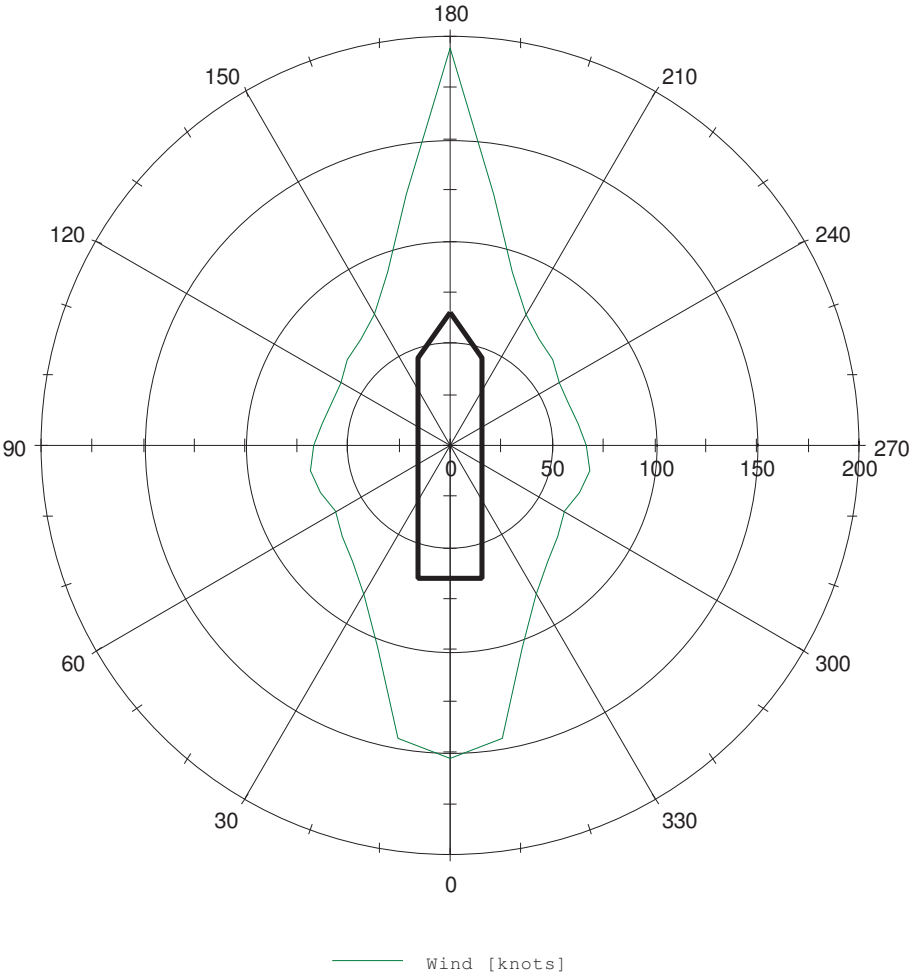
*Approximate values assuming Ideal Conditions



*Capacities shown in **GREEN** are counted for multiple Tank Capacities.



Run : 1 Knots



External:
Variable wind velocity rotating 360 deg
1.01 knots wind generated current rotating 360 deg
Variable wave height fixed at 0.0 deg