

GREATSHIP SHANTI

CONAN-WU AHTS - 150 T BP, DP II, FIFI-1



Artist's Impression

Class Notation	ABS: Maltese Cross A1, Circle E, AH/ Offshore Support Vessel, Towing, Maltese Cross AMS, FFV Class I, DPS - 2, ACCU, IWS
Place of build	Drydocks World Singapore Pte.Ltd. (Batam, Indonesia)
Year of Build	2011
Flag	Indian
IMO	TBA

Main Particulars

Design	Wartsila Ship Designs/ Conan Wu
LOA	78.2 m
Length PP	69.0 m
Breadth Moulded	18.5 m
Depth Moulded	8.0 m
Max. Loaded Draft	TBA
GRT	TBA
NRT	TBA

Performance

Trial Speed	14.5 Knots
Economical Speed	12 Knots
Bollard Pull	Min. continuous 150 tons

Capacities

Deadweight	Approx. 2950 tons
Deck Cargo	Approx. 1000 tons
Cargo Deck Dimensions	39.3 m x 15.3 m
Deck Area	600 m ²
Deck Strength	5 t/ m ²
Dry Bulk Capacities	310 m ³
Potable/Fresh Water	720 m ³
Drill Water / Ballast Water	1700 m ³
Oil based Mud / Liquid Mud	750 m ³
Brine	320 m ³ (with rig chain locker)
Base Oil	150 m ³
Fuel Oil	1050 m ³
Freezer Room	14 m ³
Cooler Room	16 m ³

Discharge

Dry Bulk	1 x 25.4 m ³ / min @ 5.6 bar
Fresh Water	2 x 150 m ³ / hr @ 9.0 bar
Ballast / Drill water	1 x 150 m ³ / hr @ 9.0 bar
Liquid Mud / Brine	3 x 75 m ³ / hr @ 16 bar
Base Oil	1 x 150 m ³ / hr @ 9.0 bar
Fuel Oil	2 x 150 m ³ / hr @ 9.0 bar
Ballast pump	2 x 75 m ³ / hr @ 6.0 bar

FiFi Equipment

Class I	2400 m ³ / hr
Dispersant System	Anti pollution dispersant system

Deck Equipment

Capstans	2 x 10 tons @ 25 m / min.
Tugger Winches	2 x 10 tons @ 30 m / min .
Deck Crane	1 x 3 tons

Towing / Anchoring Equipment

Winch Type	Fukushima Ltd., Japan, Double Drum Waterfall type
AHT Winch Pull	300 Tons @ 7 m / min (1st layer)
AHT Winch Brake	400 Tons @ 1st layer
AH Drum Capacity	2000 m x 72 mm wire
Tow Drum Capacity	2000 m x 72 mm wire
Spooling Gear	Provided for Tow Drum
AH Tongs	2 sets, 500 Tons
Towing Pins	2 sets, suitable for 150 Tons BP
Rig Chain Locker	320 m ³
Stern Roller	5.5 m x 2.5 m dia., 450 Tons SWL

Propulsion and Machinery

Main Engines : KW	2 x 4500 KW (6120 BHP) Total 9000 KW (12240 BHP)
Main Engines : Type	Wartsila 9L32
Main Gearbox & Propellers	Wartsila CPP
Rudders	Flap type rudders

Thruster

Type	Kawasakhi Heavy Ind
Bow 1	950 KW, 12.5 tons
Bow 2	950 KW, 12.5 tons
Stern 1	650 KW, 8.5 tons
Stern 2	650 KW, 8.5 tons

Aux Engines

Aux. Engine : KW	2 x 650 KW
Aux. Engine : Type	Caterpillar
Shaft Generators	2 x 2200 KW
Emergency Generators	1 x 125 KW
Supply System - Voltage	440 V, 60 Hz

Accommodation

1 Man Cabins	6
2 Man Cabins	20
Hospital	Available
Total Accommodation	46 Berths, fully Air-conditioned

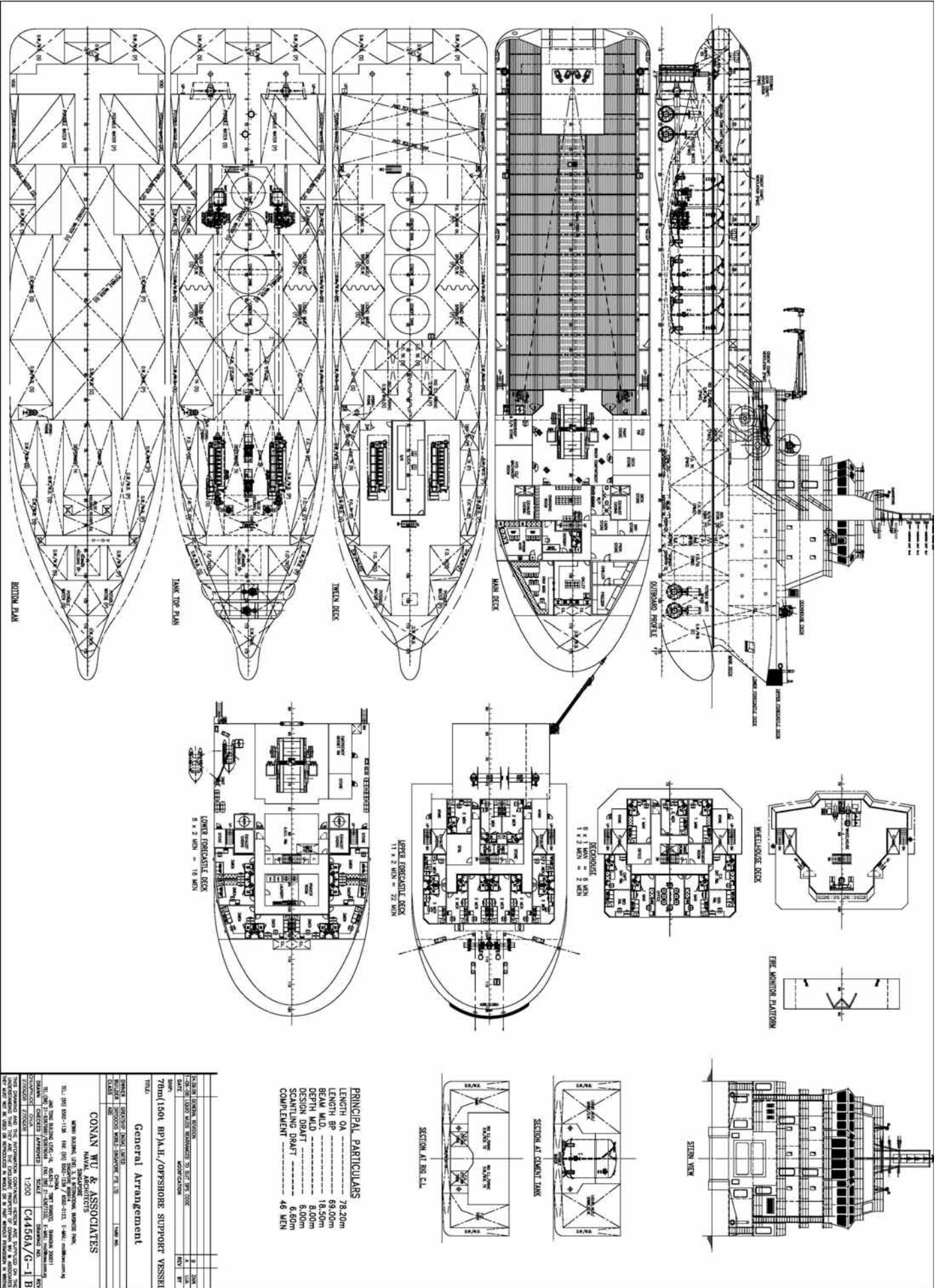
Navigation & Communication Equipment

Dynamic Positioning	DP2 (Converteam)
DP References	2 DGPS, 1 Laser reference, Provision for hydro-acoustics

The vessel specifications are subject to modifications and may change without prior notice.

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PRINCIPAL PARTICULARS

LENGTH O.A. 78.20m
 LENGTH BP 69.00m
 BEAM MLD. 18.50m
 DEPTH MLD 8.00m
 DESIGN DRAFT 6.00m
 SCANTLING DRAFT 6.60m
 COMPLEMENT 48 MEN

TITLE	General Arrangement
PROJECT	78m(160t) BP/AH/OFFSHORE SUPPORT VESSEL
DESIGN NO.	C4456A/G-1/B
SCALE	AS SHOWN
DATE	12/2007
DESIGNER	CONAN WU & ASSOCIATES
CLIENT	SHANTOU SHIPYARD CO., LTD.
OWNER	CHINA STATE SHIPBUILDING & REPAIRING CORPORATION
APPROVED	[Signature]
CHECKED	[Signature]
DATE	12/2007

CONAN WU & ASSOCIATES
 MARINE ARCHITECTS

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