

65M ANCHOR HANDLING / OFFSHORE SUPPORT VESSEL



GENERAL SPECIFICATION

		ACCOMMODATION	PROPULSION SYSTEM
		2 x 1 Man Cabin : 2	Main Engine (Bergen) : 2 x 4023 BHP, Diesel engine @ 750 RPM c/w reduction gearbox
		4 x 2 Men Cabin : 8	Propulsion : 2 x CPP, 3.5 m Dia. @ 4-bladed
Port of Registry : Port Kelang		7 x 4 Men Cabin : 28	Bow Thruster : 1 x 10 Tons CPP, 440V/3Ph/60Hz
Flag : Malaysian		Total Person On Board : 38 Men	Stern Thruster : 1 x 10 Tons CPP, 440V/3Ph/60Hz
Year Delivered : 2010		Hospital Room : 1 x 1-Man Bunk	Retractable Thruster : 1 x 1.6 m Dia. FPP (1000 BHP Diesel engine @ 1800 RPM)
Builder : Drydocks World-Pertama, Batam, Indonesia		1 x Treatment Table	Steering Gear : 2 x Independent Electro Hyd. System
Designer : Wartsila Ship Design Pte. Ltd. (formerly CWA)		[FULLY AIR-CONDITIONED]	
Classification : American Bureau of Shipping (ABS)			
Notation : ABS+A1, Towing Vessel, AH/Offshore Support Vessel, ©, +AMS, DPS-1, FFV-1			

PRINCIPAL PARTICULARS		DECK EQUIPMENT	PROPULSION PERFORMANCE
Length Overall	: 65.60 m	Anchor Handling/Towing Winch : 1 unit x Double Drum Waterfall type c/w Guide Rope Electro Hyd. System)	Maximum Speed : 14.0 knots (approx.) @ 100% MCR
Breadth Moulded	: 16.00 m	- Winch Load Capacity : 250 t x 8.5m/ min Drum Pull (1st layer)	Bollard Pull : 115.3 Tons (approx.) @ 100% MCR
Depth Moulded	: 6.50 m	- Brake Holding Load : 300 t (1st layer)	
Summer Draft	: 5.60 m	- Tow Drum Capacity : 2 x 1350mm x 70mm dia. (Wire Ropes)	
Gross Tonnage	: 2183	Tugger Winch : 2 x 10 t x 22m/min @ 250m x 22 mm Dia. (S.W. Rope)(Electro Hyd. System)	
Net Tonnage	: 655	Storage Reel Winch : 1 x 7 t x 29m/ min @ 1800 m x 64mm dia. (Wire Rope)	
Deadweight (Summer Draft)	: 1952.02 Tons (approx.)	Capstan : 2 x 9 t x 22m/ min @ Fixed Warping Head (Electro Hyd. System)	
Free Deck Space	: 415 m ² (approx.)	Anchor Windlass/Towing Winch : 1 unit @ Electro Hyd. System	
Deck Strength	: 5.5 Tons/m ²	- Anchor Windlass : 10 t x 13m/ min @ 15 nos. x length 42mm Dia. U2 steel stud links	

SAFETY EQUIPMENT		ANCHOR MOORING SYSTEM	ELECTRIC POWER GENERATION
Liferafts	: 6 x 20 men	Anchor Type : Stockless Bower Anchors	Main Generators : 2 x 460 kW @ 440V/3Ph/60Hz
Rescue Boat	: 1 x 6 men semi rigid type c/w pivoting davit	Anchor Capacity : 2 x 2280kg	Emergency/ Harbor Generators : 1 x 99 kW @ 440V/3Ph/60Hz
Rem arks: Vessel's Life Saving Equipment are in accordance with SOLAS/LSA Code & Flag State requirements.		Anchor Chains : 825m (TOTAL)	Shaft Alternators : 2 x 1450 kW @ 440V/3Ph/60Hz

FIRE FIGHTING & ANTI POLLUTION EQUIPMENT		OTHER EQUIPMENT CAPACITIES	DYNAMIC POSITIONING SYSTEM
FFI Classification	: FFV 1	Bulk Tank Compressor : 2 x 1368m ³ / hr @ 5.6bar	DP-1 System : 1 set
Fire Pumps Capacity	: 2 x 1600m ³ /hr	Bulk Tank Dryer : 1 x 1800m ³ / hr @ 5.6bar	Maker : GE Power Conversion
Fire Monitor Capacity	: 1 x 1200m ³ /hr water c/w 300m ³ /hr foam; 1 x 1200m ³ /hr water	Oily Water Separator : 1 x 1m ³ /hr	
Oil Dispersant System	: 2 x 6m Dispersant Boom	Sewage Treatment Plant : 1 x 4.66m ³ / day (38 men)	
Rem arks: 1 x Fixed Fire-extinguishing System (CO2) to Machinery Space Cat.A, 1 x Fire Detection & Alarm System, and 1 x Deck Foam in accordance with IMO SOLAS/ FFS Code & Flag State requirements.		Liquid Mud Agitator : 2 x 2.5m dia. impeller; 16.5kW/35rpm EAQH	
		Hydraulic Power-Pack : 1 x 100%/ min c/w 55.0 kW Motor, 440V/ 3Ph/60Hz @ 1770 rpm	
		1 x 300ℓ (Reservoir Tank)	

DISCHARGE PUMPS CAPACITIES		FUEL OIL TANKS (m ³)	
Fuel Oil (Cargo)	: 1 x 150m ³ / hr @ 90m head	1 No.1 FO TK (P)	112.10
Fresh Water (Cargo)	: 1 x 150m ³ / hr @ 90m head	2 No.1 FO TK (S)	112.10
Drill Water (Cargo)	: 1 x 150m ³ / hr @ 90m head	3 No.1 FO TK (C)	109.80
Liquid Mud (Cargo)	: 2 x 100m ³ / hr @ 90m head	4 No.2FO TK (P)	123.70
Brine (Cargo)	: 1 x 100m ³ / hr @ 90m head	5 No.2 FO TK (S)	131.60
		6 No.2 FO TK (C)	70.90
		7 FO Day TK (P)	16.60
		8 FO Day TK (S)	16.60
		TOTAL:	693.40

Drill Water Tanks (m ³)		
1	No.1 FW & DW & WB (C)	102.90
2	No.1 FW & DW & WB (C)	82.60
3	No.3 FW & DW & WB (P)	33.30
4	No.3 FW & DW & WB (S)	33.30
5	No.3 FW & DW & WB (C)	21.30
6	FW & DW TK (P)	66.80
7	FW & DW TK (S)	66.80
	TOTAL:	407.00

Fresh Water (m ³)		
1	No.1 FW TK (P)	95.90
2	No.1 FW TK (S)	95.90
3	No.2 FW TK (P)	113.80
4	No.2 FW TK (S)	113.80
	TOTAL:	419.40

Fuel Oil Tanks (m ³)		
1	No.1 FO TK (P)	112.10
2	No.1 FO TK (S)	112.10
3	No.1 FO TK (C)	109.80
4	No.2FO TK (P)	123.70
5	No.2 FO TK (S)	131.60
6	No.2 FO TK (C)	70.90
7	FO Day TK (P)	16.60
8	FO Day TK (S)	16.60
	TOTAL:	693.40

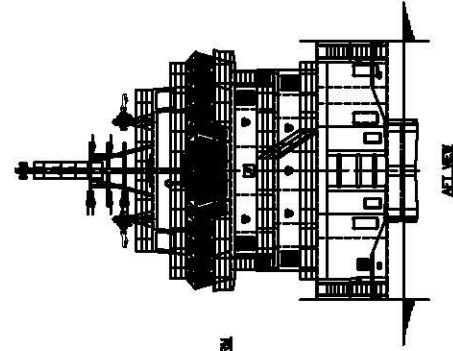
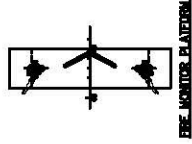
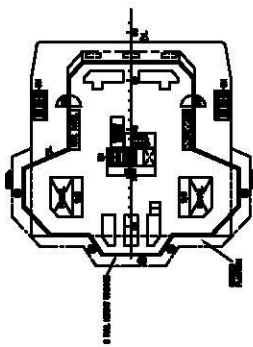
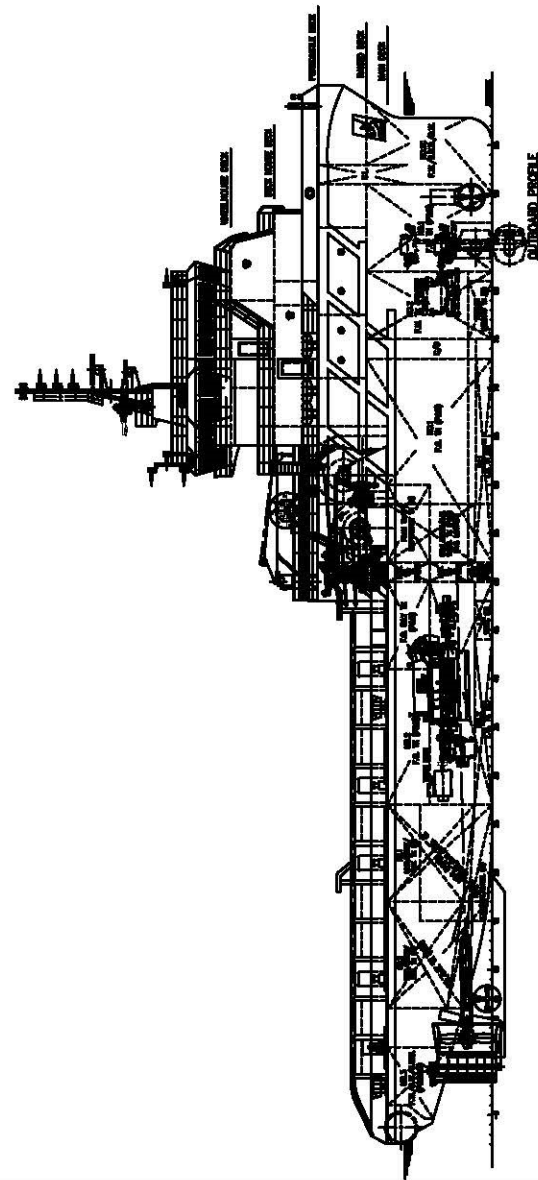
Dry Bulk Tanks (m ³)		
1	No.1 Cement TK (P)	58.30
2	No.2 Cement TK (S)	58.30
3	No.1 Cement TK(P)	58.30
4	No.2 Cement TK (S)	58.30
	TOTAL:	233.20

Misc Tanks (m ³)		
1	Hyd. Oil (P)	2.70
2	Hyd. Oil (S)	2.70
3	Lube Oil (P)	3.70
4	Lube Oil (S)	3.70
5	Lube Oil Storage TK	7.40
6	Bilge TK (S)	7.40
7	Dirty Oil TK (C)	7.80
8	Sewage Holding TK (C)	15.90
9	Foam TK (P)	14.70
10	Dispersant TK (S)	14.70
11	No.1 BR & Slop & RIG CL (P)	74.70
12	No.1 BR & RIG CL (S)	74.70
13	No.2 DW & SWB (P)	98.90
14	No.2 DW & SWB (S)	98.90
15	No.1 Mud & BR TK	181.70
16	No.2 Mud & BR TK	142.60
	TOTAL:	752.20

[ALL INFORMATION ARE BELIEVED TO BE ACCURATE AT THE TIME OF PRINTING]

THIS TECHNICAL BRIEF SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

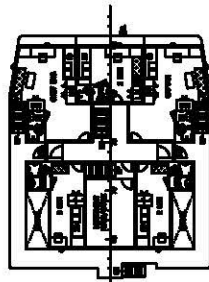
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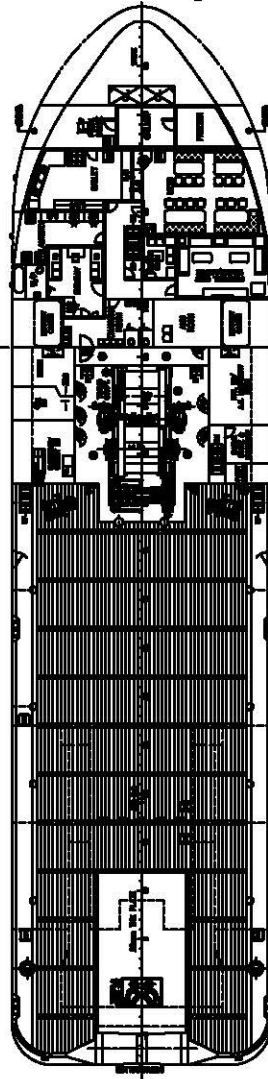
DECK HOUSE DECK

FIRE MONITOR PLATFORM

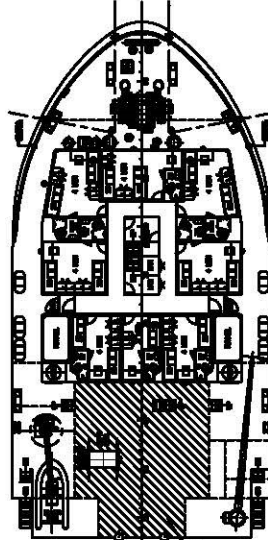
ART. MAST



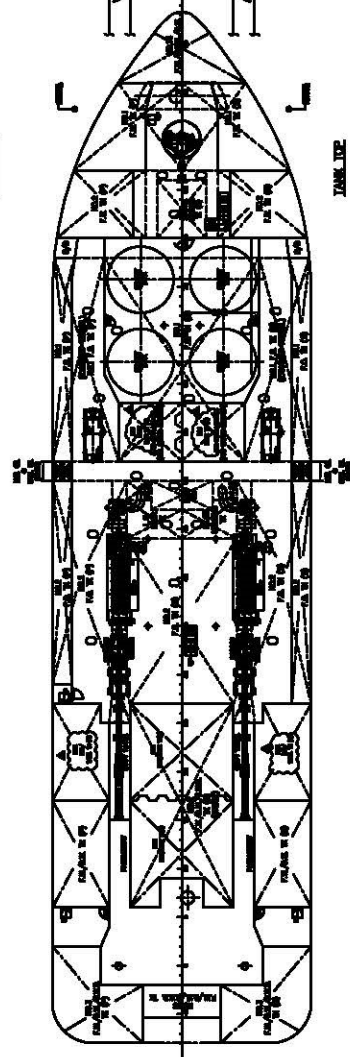
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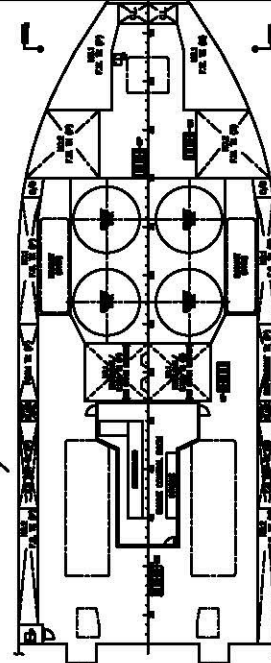
MAIN DECK



DECK HOUSE DECK



MAIN DECK



MAIN DECK

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PRINCIPAL PARTICULARS

LENGTH O.A. 83.50m
 LENGTH WL 83.50m
 BEAM M.D. 16.00m
 DEPTH M.D. 6.50m
 DRAFT DESIGNED/SCANTLING 5.50m/6.80m
 COMPLIMENT 38 MEN

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General Arrangement

CONAN YU & ASSOCIATES

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