



GO
MARINE GROUP

GO SIRIUS DP2 AHTS

Key Features

- DP2
- 500 SQM Deck Space
- 190 T Bollard Pull



GO SIRIUS

DP2 AHTS

Class Notation	ABS ABS + A1, Towing, AH/Offshore Support Vessel Fire Fighting Vessel Class 1, +AMS, + ACCU
Place of Build	Japan
Year of Build	2012
Flag	Singapore

Main Particulars

Design	MX-A180DH
LOA	75.30m
Breadth	18.00m
Depth	8.16m
Max Loaded Draft	6.60m

Performance

Max Speed	15.5kts
Economical Speed	11kts
Bollard Pull	190 Ton

Capacities

Deadweight	2835 mt
Gross Tonnage	3260
Deck Cargo	1000mt
Cargo Deck Dim.	33.5 x 15mtr
Deck Area	500m ²
Deck Strength	5 ton / m ² (forward 1/3 rd) 10 ton / m ² (aft 2/3 rd)
Dry Bulk Capacities	250m ³ (4x 62.5m ³)
Drill / Ballast Water	1245m ³
Potable Water	543m ³
Oil Based Mud	425m ³
Brine	155m ³
Base Oil	155m ³
Fuel Oil	945m ³
ORO	20m ³
Freezer Room	8m ³
Cooler Room	8m ³

Deck Equipment

Capstans	2x 10 ton @16 m/min
Tugger Winch	2x 16.9 ton x 13 m/min
Deck Crane Port	5mt @ 14 m radius
FRC	15 person FRC

Anchoring Equipment

Windlass	Electro-Hydraulic 12 ton x 14 m/min
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Discharge

Fresh Water	1x 200 m ³ /hr @ 90m head
Ballast / Drill Water	1x 200 m ³ /hr @ 90m head
Dry Bulk	2x 18.5 m ³ x 5.6 bar
Liquid Mud / Brine	1x 75 m ³ /hr @ 180m head
Base Oil	1x 75 m ³ /hr @ 180m head
Fuel Oil	1x 150 m ³ /hr @ 90m head

Propulsion and Machinery

BHP	16,315 BHP
Main Engines	2
Main Engines: Make / Type	Wartsila 12V32
Propellers	2x CPP in Kort Nozzles

Thruster

Bow	2x 800kw
Stern	2x 500kw

Auxiliary Engines

Shaft Generators	2x 1800kw
Diesel Generator	2x 380kw
Emergency Generators	1x 70kw
Supply System - Voltage	450V / 3 / 60Hz

Accommodation

Single Berth Cabins	14 x 1 Berth
Double Berth Cabins	6 x 2 Berth
Four Berth Cabins	1 x 4 Berth
Total Accommodation	30
Mess	18

Towing and Anchor Handling Winch Capacities

AHT Winch	Electro-hydraulic
Line Pull	350 mt
Break Capacity	450mt
Towing Drum	2500 mtrs x 76mm
Anchor Handling Drum	2500 mtrs x 76mm
Speed	16 m/min
Shark Jaws	2x 450 mt
Towing Pin	2x 300mt
Spare Wire Reel	2x 1500mtrs x 76mm
Stern Roller	3.0 x 5.0 m (450 mt SWL)

Dynamic Positioning System

DP System	Converteam DP2
References	2x DGPS Fanbeam Cyscan

Head Office
Suite 1, Level 4 South Shore Centre
85 The Esplanade, SOUTH PERTH WA 6151

w: www.gomarinegroup.com.au
e: info@gomarinegroup.com.au
p: +61 8 9474 3600



Tank Plan									
GO SIRIUS									
TANK NO.	VOLUME M3	FUEL	DRILL WATER	POTABLE WATER	BALLAST WATER	LIQUID MUD	BRINE	BASE OIL	Dry Bulk
		SG 0.85	SG 1	SG 1	SG 1.025	SG 2.5	SG 2.5	0.87	2.36
No. 1 FO SERV TK (P)	26.47	26.47							
No. 2 FO SERV TK (P)	38.57	38.57							
No. 1 DB FOT (P)	28.74	28.74							
No. 1 DB FOT (S)	28.74	28.74							
No. 2 DB FOT (P)	25.74	25.74							
No. 2 DB FOT (S)	25.74	25.74							
No. 3 DB FOT (P)	29.01	29.01							
No. 3 DB FOT (S)	29.01	29.01							
No. 1 FOT (P)	183.19	183.19							
No. 1 FOT (S)	183.19	183.19							
No. 2 FOT (P)	171.45	171.45							
No. 2 FOT (S)	171.45	171.45							
No. 1 FO DRAIN TK (S)	2.08	2.08							
No. 2 FO DRAIN TK (P)	8.2	8.2							
M/E.L.O STOR TK (S)	17.72								
G/E.L.O STOR TK(S)	1.87								
LO SUMP. TK (P)	12.28								
LO SUMP. TK (S)	12.28								
FP DW/BWT (Ctr)	82.18		82.18						
No. 1 DW/BW TK (P)	80.32		80.32						
No. 1 DW/BW TK (Ctr)	79.25		79.25						
No. 2 DW/BW TK (Ctr)	117.94		117.94						
No. 3 DW/BW TK (Ctr)	72.06		72.06						
No. 4 DW/BW TK (P)	41.16		41.16						
No. 4 DW/BW TK (S)	41.16		41.16						
No. 5 DW/BW TK (P)	89.24		89.24						
No. 5 DW/BW TK (S)	86.42		86.42						
No. 1 FW TK (P)	87.19			87.19					
No. 1 FW TK (S)	86.89			86.89					
No. 2 FW TK (P)	92.7			92.7					
No. 2 FW TK (S)	92.7			92.7					
No. 3 FW TK (P)	50.57			50.57					
No. 3 FW TK (S)	50.57			50.57					
No. 3 FW TK (Ctr)	44.6			44.6					
No. 4 FW TK (P)	44.8			44.8					
No. 4 FW TK (S)	44.8			44.8					
No. 1 MUD TK (P)	115.72					115.72			
No. 1 MUD TK (S)	115.72					115.72			
No. 2 MUD TK (P)	101.66					101.66			
No. 2 MUD TK (S)	101.66					101.66			
C.L / DW / BW TK (P)	102.03		102.03		102.03				
C.L / DW / BW TK (S)	102.03		102.03		102.03				
BRINE / BASE OIL / DW / BW TK (P)	76.39						76.39	76.39	
BRINE / BASE OIL / DW / BW TK (S)	80.58						80.58	80.58	
No. 1 BULK TK	62.5								62.5
No. 2 BULK TK	62.5								62.5
No. 3 BULK TK	62.5								62.5
No. 4 BULK TK	62.5								62.5
STAB. TK / DW / BW TK (Ctr)	202.29		202.29		202.29				
DISP TK (S)	12.19								
SEWAGE TK (S)	8.68								
FOAM TK (S)	23.53								
BILGE TK (P)	13.69								
SLUDGE TK (S)	18.25								
TECH W TK (P)	24.51								
SLOP TK (S)	24.86								
TOTAL VOLUME INCUBIC METRES	3654.07	951.58	1096.08	594.82	406.35	434.76	156.97	156.97	250
TOTAL WEIGHT IN TONS		808.85	1096.08	594.82	507.94	1086.9	392.42	136.56	590
TOTAL VOLUME IN BARRELS/Cu ft		5985.26	6894.13	3741.31	2555.86	2734.56	987.31	987.31	8827

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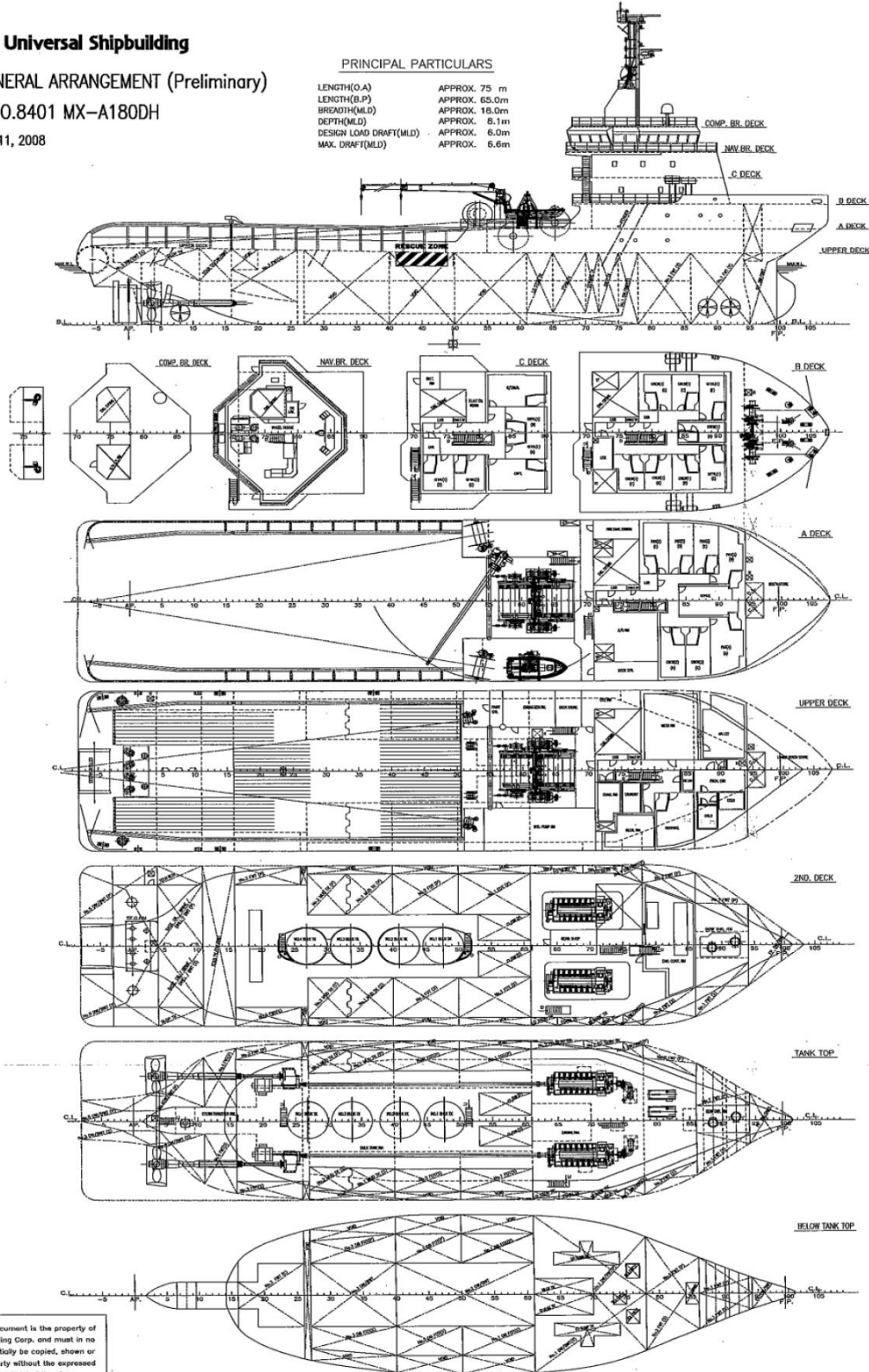
GENERAL ARRANGEMENT (Preliminary)

D.NO.8401 MX-A180DH

July 11, 2008

PRINCIPAL PARTICULARS

LENGTH(O.A)	APPROX. 75 m
LENGTH(B.P)	APPROX. 65.0m
BREADTH(MLD)	APPROX. 16.0m
DEPTH(MLD)	APPROX. 8.1m
DESIGN LOAD DRAFT(MLD)	APPROX. 6.0m
MAX. DRAFT(MLD)	APPROX. 6.6m



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