AMSBACH MARINE (S) PTE LTD

[AMS REF: T/3458]



36M / 3200BHP OCEAN GOING TOWING TUG

OUTLINE SPECIFICATION

TECHNICAL SPECIFICATIONS

GENERAL

Keel laid	2007
Year Built/Delivered	2008
GRT / NRT	472/141
Class Notation	1 + HULL + MACH TUG, Unrestricted Navigation
Class	B.V.
Flag	Singapore

DIMENSION

Length Overall	36.10 m
Length BP	29.50 m
Breadth Moulded	10.60 m
Depth Moulded	4.90 m
Draught Designed	4.00 m

PERFORMANCE

Maximum Speed	12.0 knots (Approx)
Type of Fuel	Marine Gas Oil
Bollard Pull (Static)	38.66T

CAPACITIES

Fuel Oil	397.9 m³ (Approx at 100% cap)
Fresh Water	70 m³ (Approx)
Ballast Water	59.8 m³ (Approx)
Dirty Oil	9.2 m³ (Approx)

DISCHARGE RATES

Fuel Oil Pump	1 x 25 m³/hr @ 0.6 Mpa
Fresh Water Pump	1 x 21 m³/hr @ 21m Head

MACHINERY

Main Engines	Cummins KTA50-M2
Rating	2 x 1600 BHP @ 1800 rpm
Gear Box	TWINDISC MG5506 (Ratio 6:1)
Diesel Gen. Set	Cummins 6CT.8.3GM115 x 2 units
Rating	2 x 100kw @ 1500 rpm
Bow Thruster	HRP 2001 TT (2.8T Thrust)
Bow Thruster Engine	Cummins NT855-M270
Rating	202kw @ 1800 rpm
Propellers	FPP x 2 (with Kort Nozzle)
Rudders	Conventional x 2

ACCOMMODATION

Crew	2 x 1 man cabin = 2 men 2 x 2 men cabin = 4 men 2 x 4 men cabin = 8 men
Total	14 men bunk All cabins fully air-conditioned

DECK AREA

Deck Cargo Bay	13m x 9.80m (Approx)
Deck Strength	5 tonnes/m^2
Clear Deck Area	160m^2

RADIO & NAVIGATION EQUIPMENT

Radar no.1	1 x Furuno (FR-1510 MK3)
Radar no.2	1 x Furuno (FR-1942 MK2)
Projection Magnetic Compass	1 x Furuno
GPS	1 x Furuno (GP-150)
Anemometer	1 x Navman (W3150)
Echo Sounder	1 x Furuno (FE-700)
Speed Log	1 x Furuno (DS-80)
Gyro Compass	1 x ANSCHUTZ (Standard 22)
AIS	1 x Furuno (FA-150)
Autopilot	1 x ANSCHUTZ (NP60)
GMDSS Radio	2 x Furuno (FM-8800S/DSC)
EPIRB	1 x McMURDO (E3)
SART	2 x McMURDO (S4)
Navtext Receiver	1 x Furuno (NX-700B)
Weather Fax	1 x Furuno (FAX-408)

DECK & AUX. EQUIPMENT

Electric Hydraulic Anchor Windlass	3.5 Tonnes @ 10m/min
Stockless Bow Anchor	2 x 660kg
Anchor Chain/Cable	302.5m total length @ 26mm Dia. Grade 2 Stud link chains
Towing Winch	Electric Hydraulic Driven, 40 Tonnes @ 5m/min Break Holding 100 Tonnes
Capacity of Drum	900m length of 44mm Dia. Wirerope
Towing Hook	50 Tonnes SWL c/w quick release control

FIRE FIGHTING EQUIPMENT

Fire Main	1 x 36m^3/hr @ 41m Head
Fire Main Hydrants	As per SOLAS and Class requirement
Fireman's Outfit	As per SOLAS and Class requirement
Portable Fire Extinguisher	As per SOLAS and Class requirement
Emergency Fire Pump	25m^3/hr @ 40m Head, Engine Driven
Fire Detection and Alarm	As per SOLAS and Class requirement
Fixed CO2 System	Protected Zone: Engine Room

LIFE SAVING EQUIPMENT

Inflatable Liferaft	2 units x 15 person
Life Jacket	As per SOLAS and Class requirement
Life Buoy	As per SOLAS and Class requirement
Line Throwing Apparatus	1 unit x 4 projectiles and lines
Parachute Distress Rocket	As per SOLAS and Class requirement
Orange Smoke Signals	As per SOLAS and Class requirement

OTHERS

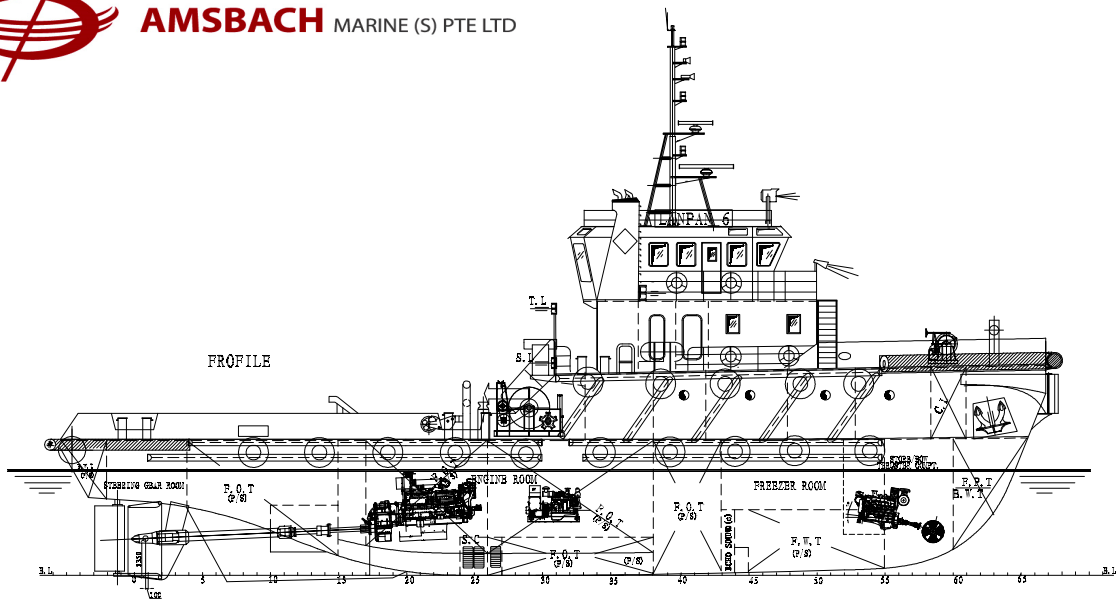
Sewage Treatment Plant	1 unit (cap: 1 Tonnes)
Oily Bilge Water Separator	1 unit (cap: 0.5m^3/hr) @ 15 ppm

Particulars are believed to be correct but not guaranteed. Owners reserve the right to amend the specifications without notification

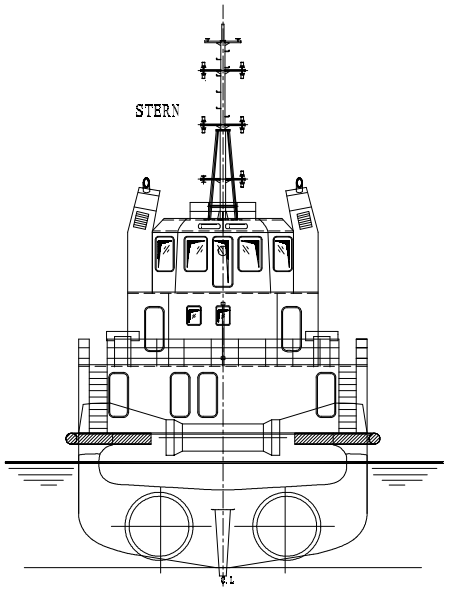
For any enquiry, please drop us a email at marketing@amsbach.com.sg.

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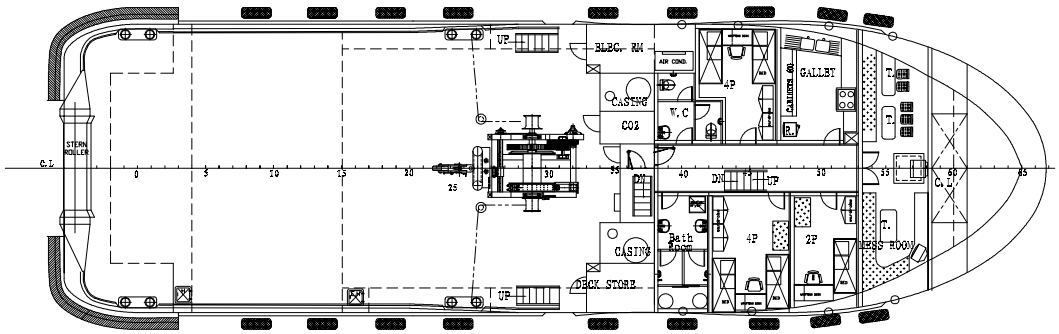
PROFILE



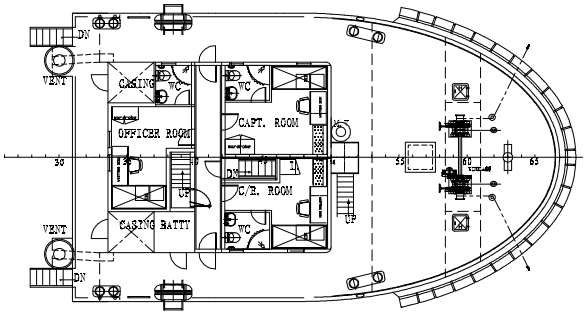
STERN



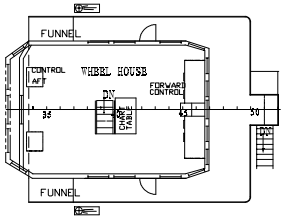
MAIN DECK



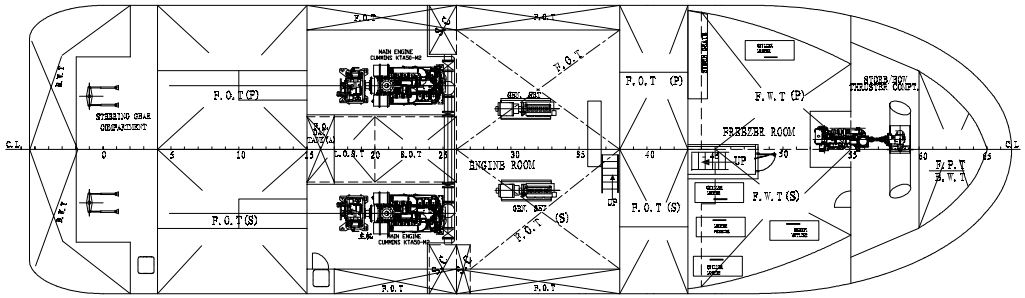
FORECASTLE DECK



NAVIGATION DECK



BELOW MAIN DECK



PRINCIPAL PARTICULARS

LENGTH O.A	36.10 m
LENGTH B.P	32.75 m
BEAM MLD.	10.60 m
DEPTH MLD.	4.90 m
MAX. DRAFT	4.00 m
FRAME SPACE	500 mm
F.O. TANK	abt. 400 m^3
F.W. TANK	70 m^3
MAIN ENGINE	2× MCR 1600MHP
SPEED	12.0 Kn
BOLLARD PULL	＊ 40.0t
COMPLEMENT	14P
CLASS AS BV	
I ●HULL ●MACH, TUG, Unrestricted navigation	

NOTE:
PARTICULARS GIVEN ARE BELIEVED TO BE CORRECT BUT NOT GUARENTED. ALL FIGURES GIVEN ARE APPROXIMATE ONLY.
OWNERS RESERVED THE RIGHT TO AMMEND THE DRAWING/SPECIFICATIONS WITHOUT NOTIFICATION.

PROJECT: 32M / 3200 BHP OCEAN TUG

CLASS: BV

APPROVED ON:

TITLE: General Arrangement