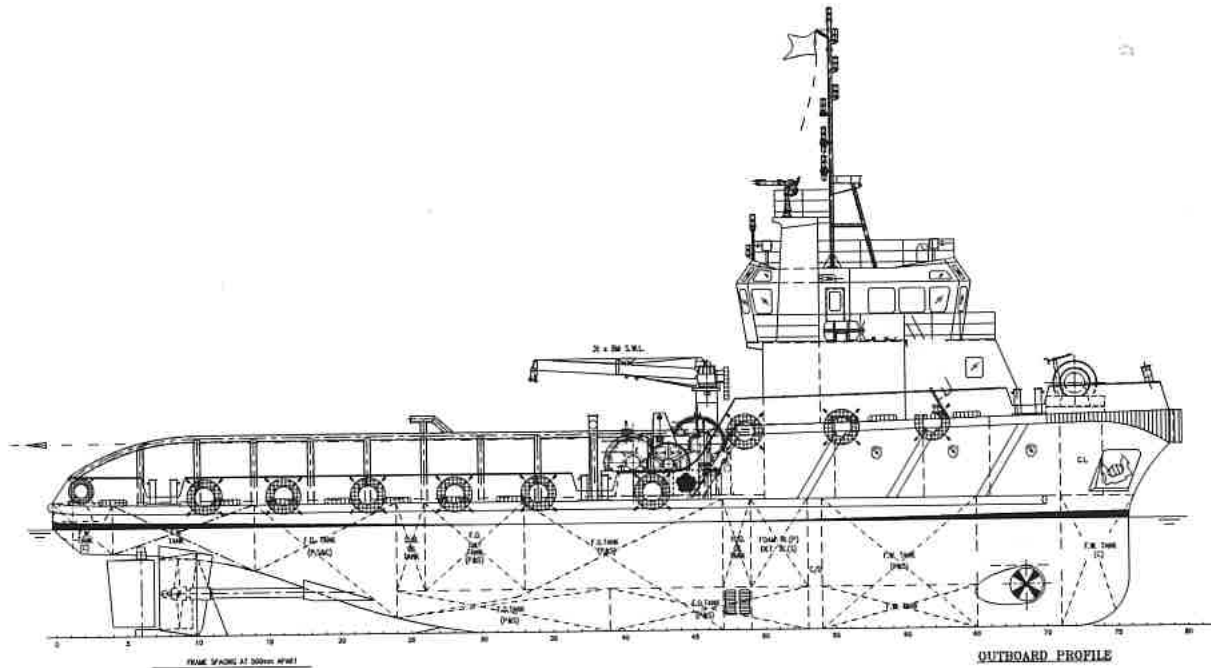


40M Anchor Handling Tug - (45 ton Bollard Pull)



PRINCIPAL PARTICULARS

Designed By	
Builder	
Class	Bureau Veritas (BV)

DIMENSIONS

Length Overall	40.000M
Length B.P	34.900M
Breadth Moulded	11.800M
Depth Moulded	4.600M
Draft Moulded	3.800M

PERFORMANCE

Deadweight	280 tonnes (Approx)
Gross tonnage	485 GRT (Approx.)
Deck loading	5 tonnes/m ² (Approx.)
Clear deck area	150 m ² (Approx.)
Trial speed	11knots (Approx.)

TANKAGE

Fuel oil	300.00m ³ (Approx.)
Fresh water	80.00m ³ (Approx.)
Lube Oil	3.0m ³ (Approx.)

ACCOMMODATION

2 x one-man cabin	2 men
1 x two-man cabins	2 men
4 x four-man cabins	16 men
Total	20 men

NAVIGATION & COMMUNICATION EQUIPMENT

GMDSS A1-2-3 Area	1 x Furuno Felcom -18 (SSAS)
GMDSS VHF	2 x MCMurdo R5 or equivalent
Autopilot	1 x TMQ AP9C
Satellite EPIRB	1 x NSR NEB-2000 406MHZ
Navtex receiver	1 x Furuno NX-700B
Echo sounder	1 x Furuno FE-800
AIS	1 x Furuno FA-170
GPS / Navigator	1 x Furuno GP170
Magnetic Compass	1 x Daiko Relector Compass
Satellite Compass	1 x Furuno SC-70
Doppler Speed Log	1 x Furuno DS-85
Wind Speed	1 x Davis Anemometer
Radars	1 x Furuno FAR 1518
Weather Fax	1 x Furuno FX408
Batteryless Telephone System	1 x VINGTOR Batteryless Telephone System



MACHINERY

Main engine - Tier 1	Mitsubishi S16R-MPTK Marine Diesel 2 x 1,850 BHP/ 1650 rpm
Gear box	Reintjes WAF773 Ratio 6.440 :1
Propellers & Shafts	2 x FPP propellers, 4 blades c/w nozzle, Forged Steel Shaft with Oil Lubricating System.
Main generator	3 x Caterpillar C6.6 @143KW with Auto Synchronize
Bow thruster (Schottel brand)	1 x Model STT1 - 5-ton FPP thruster driven by CAT 3406 @480hp Engine
Steering Gear (RIQ/Kobelt Brand)	2 x 2.0-ton Independent Hydraulic Steering Gear System
Engine Control (Kobelt brand)	Two (2) Station Twin Engine Electronic Control System

DECK MACHINERY

Anchor & chain	2 x AC-14 @900kg + 385m (L) x 30mmDia. Grade U2 stud link chain
Anchor windlass	1 x 4.4 tonnes @10M/Min Electro-hydraulic Anchor Windlass (Marine Equipment, Singapore)
Towing Winch Water-fall Double Drum	60-ton @ 6.0M/Min pulling with 120-ton Brake Holding, Capacity: 48mm Dia. with 1000M x 2 drums.
Stern Roller	150-ton SWL @ 4.0M x 1.4M Dia.
Tugger winch	2 x 5t @ 15 M/Min Electro-hydraulic Tugger Winch (Marine Equipment)
Fixed Boom Marine Service Crane	1 x 3t @ (8M max. Telescopic for 5M-8M out-reach) (Marine Equipment)
Stern capstans	2 x 5t @ 10 M/Min Electro-hydraulic Capstan (Marine Equipment)
Shark Jaw & T/Pin	1 x 200 ton Hydraulic Shack Jaw & Towing Pin (Marine Equipment)

AUXILIARY EQUIPMENT

Sludge oil pump	1 x 2m³/hr @ 20m head
F. O. transfer pump	2 x 10m³/hr @ 20m head
G.S. pump	1 x 36m³/hr @ 35m head
Bilge & ballast pump	2 x 36m³/hr @ 35m head
F.O. cargo pump	1 x 50m³/hr at 50m head
F.W cargo pump	1 x 50m³/hr at 50m head
Pressure Sets	2 x 7.8m³/hr c/w 300 ltr tank

Calorifier	1 x 150L Hot Water Calorifier
Fuel Oil Purifier	1 x Alfa Laval fuel oil purifier (Self-Cleaning Type)
Oily Water Separator	1 x 0.5m³/hr (Korea Make)
Sewage treatment plant	For 25 persons Compliance with MARPOL (Korea make)
Freezer & Chiller	Automatic refrigerating system
Central Unit Air-Cond	1 x CARRIER Marine Handling Central system
CO2 system	Installed CO2 fire extinguishing system (Fitech - Singapore)

FIRE FIGHTING SYSTEM (FFS Brand)

Fire monitors	2 x fire monitors with capacity : 600m³/hr of each water monitor. Inlet pressure : 10 bar Throw
External Fire Pump	1 x FIFI Centrifugal Pump capacity : approx 1400m³/hr 120 pump speed : 1800 rpm

Particulars believed to be correct but not guaranteed. All figures given are approximate only.

Owner reserves the right to amend specification without further notice.

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



LENGTH OVERALL	40.00 M
LENGTH MOULDED	39.50 M
LENGTH WATERLINE	37.93 M
LENGTH B.P.	34.90 M
BREADTH MOULDED	11.80 M
DEPTH MOULDED	4.60 M
DESIGN DRAFT MOULDED	3.80 M
COMPLEMENT	20 MEN
FUEL OIL	300.0 M ³
FRESH WATER	80.0 M ³
TOTAL POWER	2 X 1850HP
TRIAL SPEED	11 KNOTS
BOLLARD PULL (AHEAD)	45.0 TONNES

ITEM	DETAILS OF MODIFICATION			BY	DATE
CONSULTANT					
PROJECT					
40mm ANCHOR HANDLING TUG					
TITLE					
GENERAL ARRANGEMENT					
CLASSIFICATION			HULL NO. 53		
DRAWN	CHECKED	SCALE	DRAWING NUMBER		REV.
ImLAI		1:100	KCM/Q402(J)-G1		0