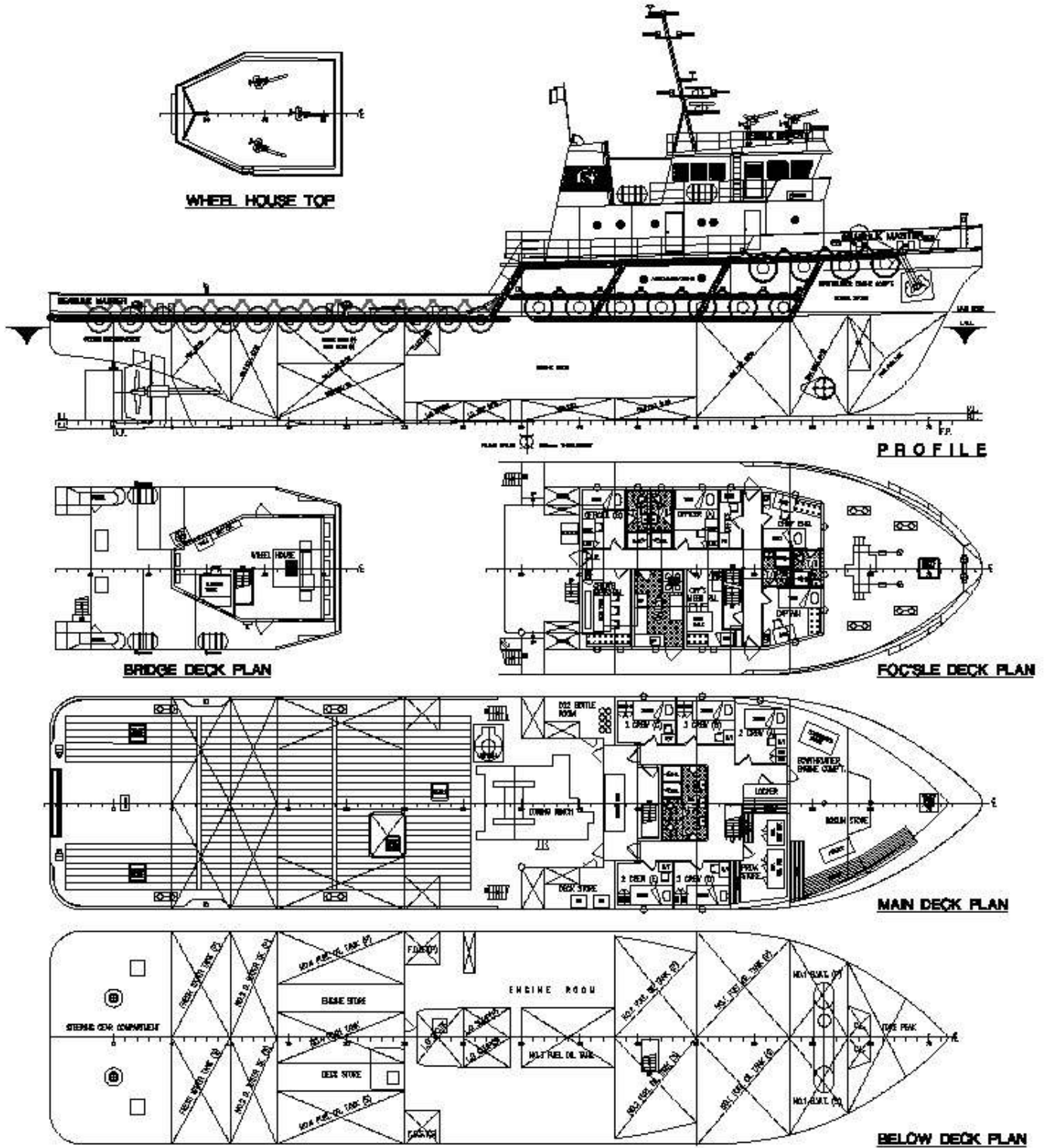


3,500 Bhp Tug Boat





BUILT :
 Year : 1977
 Builder : Mitsui Ocean Development & Engineering Co.
 Class : BV - E I 3/3 E Tug Deep Sea, E MC
 Flag : PANAMA
 Port of Registry : PANAMA

BOLLARD PULL : 42.00 MT
DECK CARGO : 200.00 MT

DEADWEIGHT : 698.91 MT

ACCOMMODATION
 Total No. of Berths : Fourteen (14) fully air conditioned berths.
 Minimum No. of Crew : Ten (10)
 Max. No. of Passenger : Four (4)

DIMENSIONS :
 Length Overall : 44.60 m 146.33 ft
 Breadth Molded : 10.00 m 32.81 ft
 Depth Molded : 4.90 m 16.08 ft
 Draft @ Summer LWL : 4.47 m 14.67 ft
 Clear Deck Area : 190.00 m² 2044.10 ft²
 Gross Tonnage : 571 (479) ITC (Regulatory)
 Net Tonnage : 171.00

DECK EQUIPMENT :
 Towing Winch : Single drum reversible towing winch 67 metric tons line pull driven by GM 4-71 engine
 Towing Wire : One (1) x 85 m long tow rope
 : One (1) coil of spare Tow Wire
 : One (1) electric capstan 5 metric tons capacity
 Capstan : One (1) 6 metric tons capacity tow hook with manual quick release
 Tow Hook

MACHINERY :
 Main Engines : Two (2) Niigata model 6MG 28 BX diesel engines each rated 1,750 BHP at 750 rpm
 Generators : Two (2) 112 kW, 385 V, 50 Hz, 3 Phase alternators driven by GM Detroit Diesel engines
 : One (1) 32 kW, 385 V, 50 Hz, 3 Phase alternator driven by Yanmar model 4 EDSL engine
 Emergency Generator : One (1) tunnel thruster 3.5 metric tons thrust
 Bow Thruster : Two (2) fixed pitch propellers in kort nozzles
 Propellers

NAVIGATION AND COMMUNICATIONS EQUIPMENT :
 Steering Controls: One (1) station on forward side of wheelhouse
 Position : One (1) station on aft side of wheelhouse
 Radar: Two (2)
 SSB Radio: One (1)
 VHF Radio: Two (2)
 Gyro Compass: One (1)
 Auto Pilot: One (1)
 GPS: One (1)
 Magnetic Compass: One (1)
 Echo Sounder: One (1)
 Navtex Receiver: One (1)
 Portable VHF: Two (2)
 Watch Receiver: One (1)
 GMDSS Area Coverage : A1, A2, A3

FUEL CONSUMPTION PER DAY
 Top Speed: 10.60 m³ 2'800 USG
 Service Speed: 8.48 m³ 2'240 USG

LIQUID CAPACITIES :
 Fuel Oil : 315.83 m³ 83'433 USG
 Potable Water : 70.64 m³ 18'661 USG
 Ballast : 171.24 m³ 45'236 USG
 Foam : 38.03 m³ 10'046 USG

FIRE FIGHTING, SAFETY, RESCUE & OIL POLLUTION EQUIPMENT
 Fire Pump: One (1) Allen Gwynnes Nimbus model 125-100-250 fire monitor pump, 250 m³/hr at 30 m head
 Fire Monitors: Three (3) water monitors

Safety equipment as per SOLAS flag and classification society requirement

Specifications not contractual and subject to change without notice.