

TUG / UTILITY VESSEL

Year Built : 2008
Class : BV
Type : Tug/ Utility Vessel



DIMENSION

Length Overall : 40.00 m
Length Waterline : 37.80 m
Length Between Perpendicular : 34.90 m
Breadth Moulded : 11.80 m
Depth Moulded : 4.60 m
Draft Moulded : 3.80 m
GRT : 481 MT
NRT : 145 MT
Deadweight : 634.17 MT

PERFORMANCE

Maximum Speed : 11.0 Knots @ 9 MT / 24hr
Conomical Speed : 10.0 Knots @ 6.5 MT / 24hr
Type of fuel : Marine Gas Oil

CARGO CAPACITIES

Deck Strength : 3 MT/ m²
Clear Deck Area : 150 m²
Fuel Oil : 375 m³
Fresh Water : 175 m³
Freezer/Chiller : 3 m³ / 3 m³
Foam : 7 m³
Detergent : 7 m³

PROPULSION SYSTEM

Main Engine : 2 x Cummins @ 1200 BHP; Total 2400 BHP
Main Generator : 2 x 280 kW
Bow Thruster : 1 x 2.8 MT
Steering Gear : electro-hydraulic type with twin screw arrangement
Propulsion : 2 x FPP Type with Kort Nozzle

DECK EQUIPMENT

Windlass : 1 x electro-hyd for Ø 24 mm rated 2.4 MT @ 10 m/min 1st layer
Anchor : 2 x Stockless Bower anchor 780 kg
Anchor Chain : 165 m x 24 mm Ø each, port & stbd
Capstan : 1 x 3 MT @ 15 m/ min
Tugger Winch : 1 x 3 MT @ 15 m/ min

FIRE FIGHTING EQUIPMENT

External

FiFi : Class 1/2
Fire pump : 1 x 1200 m³/ hr at 10 bar
Fire monitor : 2 x 600 m³/ hr @ 10 bar inlet pressure

Internal

Fixed System in E/R: CO2 system in engine room
Fire Detection Sys. : All living space and Engine Room

OTHERS

Rescue Zone : Port & Stbd Side
Sewage Treatment Plant : WCB – 30 (30 persons)

TOWING EQUIPMENT

Tow Winch : 1 x Hydraulic Winch of Single Drum with capacity of Ø 42 mm x 1000 m
Remote control from aft control stand in wheelhouse
Rated Pull (1st Layer) : 40 MT @ 5 m/ min – Low Speed
8 MT @ 15 m/ min – High Speed
Braking Capacity : 100 MT
Stern Roller : 1.5 m Ø and 3.5 m long w/ SWL 150 MT

DISCHARGE RATES

Fuel Oil : 1 x 75 m³/ hr @ 60 m head
Fresh Water : 1 x 75 m³/ hr @ 60 m head

NAVIGATIONAL / COMMUNICATION

GMDSS : Area A1 + A2 + A3
SSB : 1 x Furuno
Rack Console Sys : 1 x Furuno
GPS Navigator : 1 x Furuno
Sart : 2 x Joltron
Inmarsat C : 2 x Furuno
Satellite EPRIB : 1 x Samyung
VHF Radio : 2 x Icom
Portable VHF Radio : 3 x McMurdo
SAT – OFI : 2 x McMurdo
Navtec Receiver : 1 x ICS
Echo Sounder : 1 x Furuno
GPS Plotter : 1 x Furuno
Gyrocompass : 1 x Com Nav
Autopilot : 1 x Com Nav
Weather Fax : 1 x Furuno
Speed Log : 1 x Furuno
Magnetic Compass : 1 x Saura
Joystick : Kongsberg C Joy
Automatic : 1 x Furuno
Identification System

ACCOMMODATIONS

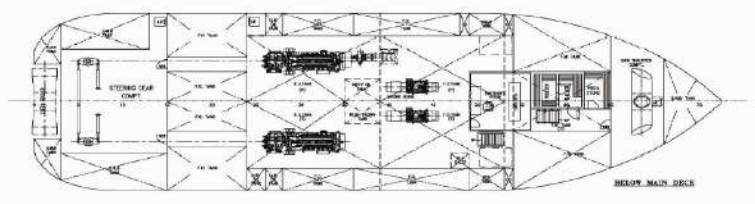
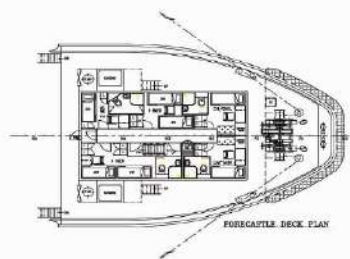
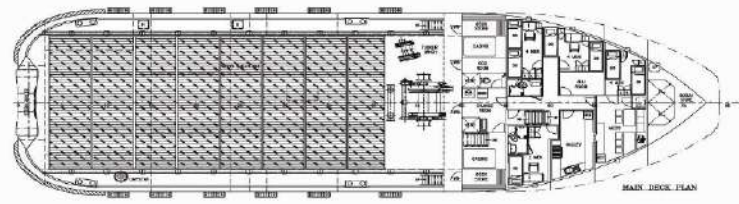
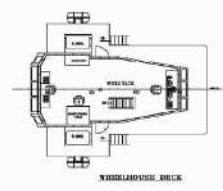
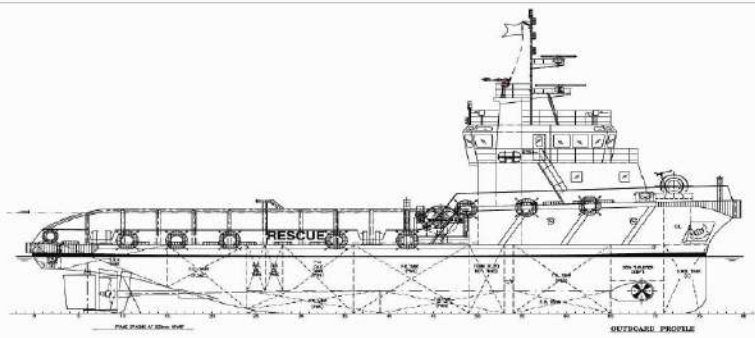
Berths : 2 x 1 berth cabin = 2
5 x 4 berth cabin = 20
2 x 2 berth cabins = 4

Total : 26

All cabins are fully air-conditioned

LIFE SAVING APPLIANCE

Search Lights : 2 x 2000 W
Floodlights : 5 x 1000 W
Liferafts : 2 x 15 men and 2 x 20 men
Lifebuoys : 8 pcs
Life jackets : 23 sets
Parachute Distress : 12 Units
Signal
MOB Light Smoke : 4 sets
Signal



PRINCIPAL DIMENSIONS

LENGTH OVERALL	40.00 M
LENGTH BULWARK	39.50 M
LENGTH WATERLINE	37.85 M
LENGTH D.P.	34.40 M
BREATH MOULDED	11.80 M
DEPTH MOULDED	4.40 M
DECKH GAULT MOULDED	3.80 M
COMPLEMENT	24 MEN
FUEL OIL	370.0 M ³
FRESH WATER	175.0 M ³
TOTAL POWER	2400 HP
TRAIL SPEED	11.8 KNOTS
BOLLARD PULL (40°C)	35.9 TONNES