



48M Diving Support Vessel  
2 x 1600BHP Cummins

#### PRINCIPAL PARTICULARS

Length Overall : 48.00M  
Length BP : 42.40M  
Breadth Moulded : 11.80M  
Depth Moulded : 4.60M  
Draft Moulded : 3.80M  
Class : BV  
Notation : Class 1 + HULL + MACH "TUG"  
for UNRESTRICTED NAVIGATION  
Gross Tonnage : TBA  
Net Tonnage :  
Clean Aft deck area : 110M<sup>2</sup>  
Bollard pull : 38 tons (approx)  
Speed : 12.0 knots (approx)

#### TANKAGE

Fresh water : 180M<sup>3</sup> (approx)  
Fuel oil : 300M<sup>3</sup> (approx)  
Lub oil : 8M<sup>3</sup>  
Hyd oil : 5M<sup>3</sup>

#### MACHINERY

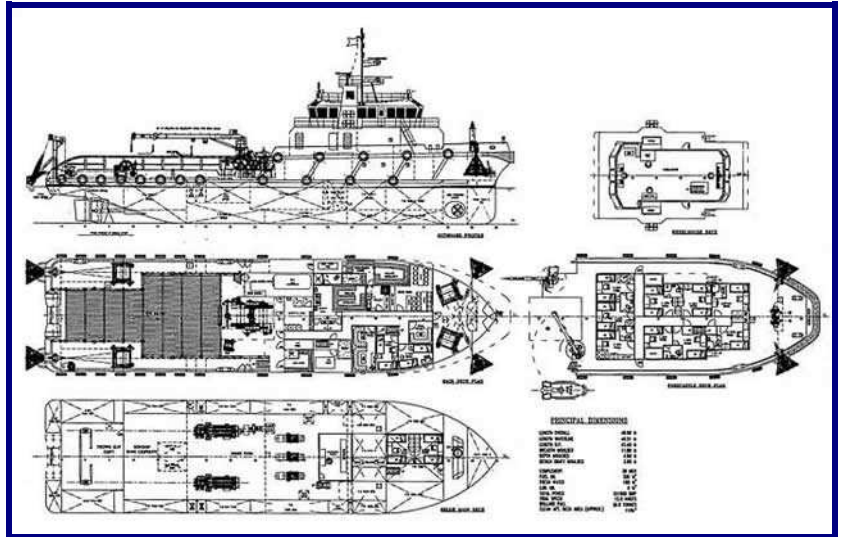
Main engine : 2 x 1600bhp @ 1800RPM  
Cummins KTA50M2  
Reduction gear : 2 x Reintjes WAF664L,  
5.95:1  
Propeller : 2 x four bladed manganese  
bronze fixed pitch propeller  
Bow thruster : 1 x 5 tons driven by electric  
motor about 300kw  
Main generator : 3 x 215kw Cummins,  
415V/3pH/50Hz  
Emergency genset : 1 x Perkins 50kw,  
415/3/50

#### ACCOMMODATION

- For 38 men with 2 cabins for Captain and Chief Engineer, 4 x one-man cabin, and 8 x four-man cabins
- Cold & freezer room : -18°C for freezer room and +4°C for cool room
- Provision store : for thirty days

#### LIFE SAVING EQUIPMENT

- 2 x Life raft for 20 persons
- 23 sets lifejackets
- 8 sets life buoy-ring
- 1 set first aid kit
- 1 set x 6 men rescue boat



Pictures provided herein are of sistership.

Contents herein are believed correct but not guaranteed.



#### PUMPS

- F.O. transfer pump : 1 x horizontal gear pump of 20M<sup>3</sup>/hr @ 30M head
- Sludge oil pump : 1 x sludge oil pump of 5M<sup>3</sup>/hr @ 45M head
- Bilge & ballast pump : 1 x self-priming ballast pump of 50M<sup>3</sup>/hr @ 35M head driven by electric motor, 415V/50Hz/3ph
- GS pump : 1 x self-priming pump of 50M<sup>3</sup>/hr @ 35M head
- Emergency fire pump : 1 x portable diesel driven emergency fire pump of 25M<sup>3</sup>/hr @ 45M head
- F.O. cargo / transfer pump : 1 x self-priming fuel oil cargo / transfer pump of 75M<sup>3</sup>/hr @ 70M head, electric driven type
- F.W. cargo / transfer pump : 1 x self-priming fresh water / transfer pump of 75M<sup>3</sup>/hr @ 70M head, electric driven type
- FW hydrophore plant : 1 x fresh water hydrophore plant of 3M<sup>3</sup>/hr @ 35 PSI head complete with 1kw motor, 2800 RPM, 415/3/50 and 1 pressure tank of about 300 ltr with maximum working pressure and pressure relief valve
- SW hydrophore plant : 1 x salt water hydrophore plant of 3M<sup>3</sup>/hr @ 35 PSI head complete with 1kw motor, 2800 RPM, 415/3/50 and 1 pressure tank of about 300 ltr with maximum working pressure and pressure relief valve
- Oily bilge water separator : 1 x 0.5M<sup>3</sup>/hr with oil content less than 15 ppm
- Sewage treatment system : for 38 persons

#### NAVIGATION EQUIPMENT

- 1 set Radar range 48NM
- 1 set Radar range 36NM
- 1 set Eco sounder
- 1 set DGPS navigator
- 1 set Autopilot /Gyro compass
- 1 set Magnetic compass
- 1 set AIS
- 2 sets VHF radio
- 1 set synthesized semi-duplex SSB radiophone
- 1 set MF/HF-DSC terminal for 24VDC
- 1 set Inmarsat "C"
- 2 sets GMDSS VHF transceiver
- 3 sets GMDSS handheld VHF radio
- 1 set GMDSS Sart
- 1 set GMDSS EPIRB
- 1 set Navtex receiver

#### DECK MACHINERY

- Anchor : 2 x stockless bower anchor each of 1020kgs
- Anchor windlass : 1 x electro hydraulic anchor windlass of 5.0 tons at 12M/Min suitable for 28mm diameter chain
- Stern roller : 1 x 1.45M dia and 3.5M long with 150 tons
- Tugger winch : 1 x hydraulic tugger winch of 5 tons
  - Model : ME 5THTW
  - Type : Single drum, warping end
  - Rated pull : 5 tons x 15M/Min @ 1<sup>st</sup> layer
  - Drum capacity : 250m x 22mm dia
  - Drum brake holding : 15 tons at static
  - Warping head : 250mm dia
  - Drum brake holding : 15 tons at static
- Towing winch : 1 x 80 tons electro hydraulic towing winch (Wire rope to be supplied by buyer)
  - Model : ME80THTWDD
  - Type : Double drum, waterfall arrangement
  - High speed : 18 tons x 24m/min (1<sup>st</sup> layer)
  - Low speed : 80 tons x 6m/min (1<sup>st</sup> layer)
  - Drum capacity : 2 x 52mm dia x 800m
  - Brake holding : 150 tons at 1<sup>st</sup> layer static
- Capstan : 1 x 5 tons hydraulic vertical capstans
- Marine crane : Telescopic boom type
  - Model ME 1T-25M / 10T – 4M
  - Lifting capacity : 1 ton @ 25M / 10 t @ 4M
  - Max outreach : 25M
- Mooring winch : 4 x 15 ton single drum hydraulic mooring winch
  - Model : ME15THMW
  - Drum capacity : 900M x 32mm dia
  - Drum pull : 15 tons x 12M/Min
  - Drum brake holding : 30 tons @ 1<sup>st</sup> layer

#### FIRE FIGHTING SYSTEM

- 1 x seawater pump of 1200M<sup>3</sup>/hr @ 14 bar
- 2 x water monitors of 600M<sup>3</sup>/hr @ 12 bar
- Dispersant system : 10M<sup>3</sup>
- Foam system : 20M<sup>3</sup>
- Main engine room shall be protected by means of a "total flooding" fixed CO2 central bank fire extinguishing system

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