



**51M Anchor Handling Tug  
2 x 2610PS Yanmar**

**PRINCIPAL PARTICULARS**

Length Overall : 51.00M  
Length BP : 47.79M  
Breadth Moulded : 12.60M  
Depth Moulded : 5.30M  
Draft Moulded : 4.50M  
Class : NK  
Notation : NS\* (T & AHP) MNS\* Tug  
Deadweight : TBA  
Gross Tonnage : 927 tons  
Net Tonnage : 279 tons  
Deck loading : 5 tons/M<sup>2</sup>  
Bollard pull : 62 tons (approx)  
Speed : 12.0 knots (approx)

**TANKAGE**

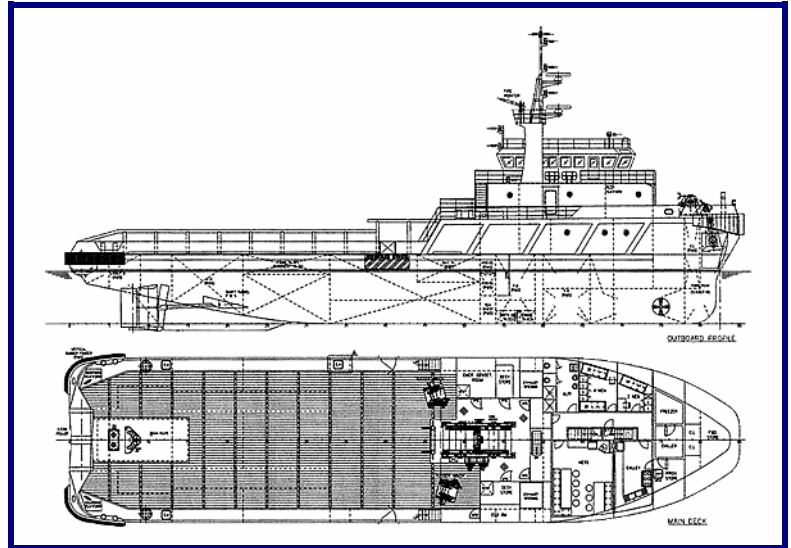
F.W. tank : 364m<sup>3</sup> approx  
F.O. tank : 500m<sup>3</sup> approx  
Lub oil storage : 4m<sup>3</sup> approx  
Foam : 10m<sup>3</sup> approx  
Dispersant : 10m<sup>3</sup> approx  
L.O. circulating tank : 8m<sup>3</sup> approx  
Sewage holding tank : 6m<sup>3</sup> approx  
Dirty oil tank : 9m<sup>3</sup> approx  
Hydraulic oil tank : 7m<sup>3</sup> approx

**MACHINERY**

Main engine : 2 x 2610Ps @ 750rpm Yanmar  
Engine 6EY26  
Reduction gear : Yanmar YXH-2500C, 3.03:1  
Propeller : 2 x manganese bronze FPP  
Bow thruster : 1 x 5 tons driven by a diesel  
engine of approx 480HP @ 2100RPM  
Main generator : 2 x 280Kw Cummins KTA19-  
M1, 415v/3ph/50Hz  
Emergency genset : 1 x 35kw Cummins or  
Perkins or equivalent

**ACCOMMODATION**

- Total Complement : 30 men  
Captain and Chief Engineer : 2 x 1 man  
Crew : 4 x 2 men  
5 x 4 men
- Cool & freezer room :  
freezer room temperature range : -18°C  
cool room temperature range : +4°C



Picture Last Updated: 30.12.2008.

Contents herein are believed correct but not guaranteed.



#### PUMPS

- Bilge & Ballast pump : 1 x horizontal self-priming centrifugal SW pump of 50m<sup>3</sup>/hr at 60m total head, 415/3/50
- GS & Fire/Dispersant Pump : 1 x horizontal self-priming centrifugal SW pump of 50m<sup>3</sup>/hr at 60m total head, 415/3/50
- Fuel transfer pump : 1 x 20m<sup>3</sup>/hr at 18m head horizontal gear pump
- FW Pressure Set : 1 x pressure set of 3.2m<sup>3</sup>/hr @ 28m c/w 0.55KW motor, 2850 rpm, 220V/1/50
- SW Pressure Set : 1 x pressure set of 3.2m<sup>3</sup>/hr @ 28m c/w 0.55KW motor, 2850 rpm, 220V/1/50
- Oily Bilge Water Separator : 1 x oily bilge water separator of 1.0m<sup>3</sup>/hr
- Dirty Oil Pump : 1 x horizontal gear pump of about 8m<sup>3</sup>/hr @ 15M head, 415/3/50
- Compressor : 2 x electric driven air compressor of at least 14.3m<sup>3</sup>/hr each at a working pressure of 30 kg/cm<sup>2</sup> c/w air/water separator
- Fuel Oil Cargo Pump : 1 x 100m<sup>3</sup>/hr at 75m head horizontal gear head pump
- Fresh Water Cargo Pump : 1 x horizontal self-priming centrifugal FW pump of 100m<sup>3</sup>/hr at 75m head
- Sewage Treatment Plant : for 30 men
- Main Engine standby lub oil pump : 1 x 35m<sup>3</sup>/hr @ 50M head
- Emergency Fire Pump : 1 x horizontal self priming centrifugal pump of 30m<sup>3</sup>/hr at 60m head driven by hand start diesel engine

#### FIRE FIGHTING SYSTEM

- 1 x fire pump of 1500m<sup>3</sup>/hr @ 11 bars
- Fire monitor :
  - water - 600m<sup>3</sup>/hr @ 11 bars
  - foam - 60m<sup>3</sup>/hr @ 10 bars
- 2 x independent sea chest for external fire fighting is to be fitted (one (1) for standby)

#### LIFE SAVING EQUIPMENT

- 4 x life raft for 30 men
- 10 sets Life buoy
- 40 sets lifejackets
- 2 sets first aid kit
- 1 set rescue boat for 6 persons

#### DECK MACHINERY

- Windlass : 1 x electro hydraulic anchor windlass of 4.4 tons @ 10m/min for 32mm dia. chain
- Capstan : 2 x electro hydraulic capstan of 5 tons @ 15M/Min
- Anchor : 2 x stockless bower anchors each of 1290kg
- Towing and anchor handling winch : 1 x hydraulic towing winch of waterfall type (Wire rope to be supplied by buyer)  
Drum capacity : 1000m x 52mm diameter (SWR)  
Drum pull : 100.0T x 0~6.0m/min  
(1<sup>st</sup> Layer) : 80.0T x 0~7.5m/min  
                  : 40.0T x 0~15.0m/min  
                  : 18.0T x 0~30.0m/min  
Brake holding : 150 tons on 1<sup>st</sup> layer for each drum
- Towing pin : 1 x Electro hydraulic Towing pin
- Tugger winch : 2 x variable speed electro hydraulic winch of 5 tons @ 15m/min
- Shark jaw : 1 x 200 tonnes
- Deck crane : 1 x marine crane of 3t @ 9m
- Stern roller : 1.6m to 1.8m dia. 4.2m length with SWL 150 tons

#### NAVIGATION EQUIPMENT

- 1 set MF/HF Radio Telephone
- 2 sets VHF- FM Transceiver c/w Watch Receiver
- 1 set EPIRB
- 1 set Echo sounder
- 1 set radar of 48NM
- 1 set radar of 96NM
- 1 set magnetic compass
- 1 set GPS/Satellite Navigator
- 2 sets SART
- 1 set Navtex receiver
- 1 set Inmarsat STD 'C' with EGC
- 1 set Gyro compass c/w autopilot