



## DESCRIPTION

Tug Boat is designed for crew transfer, towing/handling of barges and pontoons in river and enclosed waters.

## CLASS NOTATION

BV I Hull, Machinery, TUG, Coastal Area Navigation.

## MAIN PARTICULARS

Length Overall	:	17.40 m
LBP	:	16.45 m
Breadth	:	6.15 m
Depth	:	2.80 m
Draught	:	2.20 m
Air Draught	:	2.95 m

## MAIN PROPULSION

Main Engine	:	2 x 600HP@1800rpm
Reduction Gear	:	2 x abt. 4.5:1
Propeller	:	2 x Kaplan type propeller
Nozzle	:	2 x abt. Ø1400mm

## SPEED & CONSUMPTION /PERFORMANCE

<b>Speed</b>		
Free Running	:	10.0 knots@ 90%MCR
Towing	:	5.0 knots
Consumption	:	abt. 4,6t /day@90%MCR
Bollard Pull	:	12.0 tonnes

## DECK EQUIPMENT & FENDERS

Anchor	:	1 x 80kg +1 x 25kg
Anchor Winch	:	1 x manual operated
Chain	:	1 set 100mt – Ø13mm
Towing Hook	:	1 x 15t SWL quick release
Side Fenders	:	Aircraft Tires
Bow Fender	:	M Type
Stern Fender	:	D Section Extruded

## TANK & CARGO CAPACITIES

Diesel Oil	:	abt.14.0 m <sup>3</sup>
Fresh Water	:	2.0 m <sup>3</sup>
Sewage	:	0.6 m <sup>3</sup>
Dirty Oil	:	0.5 m <sup>3</sup>
Spare	:	2 x 2.5 m <sup>3</sup>

## ACCOMMODATION & STORES

Fully air conditioned wheelhouse and accommodation for four (4) persons.

- 2 x Crew cabins with double tiers bunk bed
- Galley & Mess Room
- WC & Shower
- Wheelhouse including console, pilot chair, large seating group with table

## SAFETY EQUIPMENTS

Life Raft : 1 x 6 persons

- Fixed CO<sub>2</sub> system for Engine Room
- 1 x Diesel driven (portable) emg. fire pump

## AUX MACHINES

Diesel Generator	:	1 x 15 kw
Bilge/Fire/Ballast	:	2 x 11 m <sup>3</sup> /h @2.5bar
Fuel Transfer P.	:	2 x 3 m <sup>3</sup> /h @1.5bar
FW Hydrophore	:	2 x 1 m <sup>3</sup> /h @1.5bar
E/R Ventilator	:	2 x 8000 m <sup>3</sup> /h

## UNLIMITED OPERATION

The tug boat with collapsible mast and low silhouette is specially designed to provide minimum air draught. Also this tugboat has a very low draught to operate in shallow waters.

Keel cooled engines provide large operational areas even in muddy and dirty waters.

So this tug boat is ideal choice for all kind of tug operations at river, canals and coastal regions.

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