



## MULTIPURPOSE TUG BOAT

Powerfull pushing and towing capacity, effective fire fighting equipments, large deck area and functional deck crane for delivering spare parts provide a multi purpose tug boat.

## COMFORTABLE & SPACIOUS ACCOMMODATION

Air conditioned large living areas provide crew comfort.

## ERGONOMIC WHEELHOUSE & GOOD VISIBILITY

### DESCRIPTION

Tug Boat is designed for towing, pushing, mooring, fire fighting, standby services.

### CLASS NOTATION

BV I +HULL + MACH TUG BOAT, UNRESTRICTED NAVIGATION

### MAIN PARTICULARS

Length Overall	:	25.23 m
LBP	:	23.40 m
Breadth	:	8.00 m
Depth	:	3.73 m
Draught	:	3.30 m

### MAIN PROPULSION

Main Engine	:	2 x 1425 kw @1600rpm
Propeller	:	2 x Kaplan Type CPP
Nozzle	:	2 x abt. Ø 2400 mm

### SPEED & CONSUMPTION /PERFORMANCE

Speed	:	11 knots @ 90%MCR
Consumption	:	abt. 16 t /day
Endurance	:	abt.770 NM
Bollard Pull	:	45 t @90% MCR

### DECK EQUIPMENT

Capstan	:	min 10t , 15m/min
Windlass	:	2 pcs 12 m/min
Towing Winch	:	hydraulic 45 ton
Towing Hook	:	SWL 65 ton quick release
Deck Crane	:	hyd. telescopic 500 kg @ 6,5m

### TANK CAPACITIES

Diesel Oil	:	abt. 45,0m <sup>3</sup>
Fresh Water	:	abt. 2,0 m <sup>3</sup>

### ACCOMMODATION & STORES

Fully air conditioned wheelhouse and accommodation for six (6) persons.

- Captain & Chief Eng. cabins
- 2 x Crew cabins with double tiers bunk bed
- Galley & Mess Room
- 2 x WC & Showers
- Store
- Wheelhouse including console, sofa, table

### SAFETY EQUIPMENTS

Life Raft : 2 x 10 persons(B pack)

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

### AUX MACHINES

Diesel Generator	:	2 x 70 kw
Harbour Gen.	:	1 x 19 kw
Bowthruster	:	150 kw
Fi-Fi Pump	:	Hyd. 300m <sup>3</sup> /h @8.5bar
Sewage Treat.	:	1800lt/day chemical

- Two (2) engine driven hydraulic pumps for deck crane, bowthruster, capstan, windlass, winch, fire pump.

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