



Tug 19 m

General Yard no. Delivery date **Basic functions** Towing, pushing and mooring Classification ΒV Bureau Veritas I Belull . MACH Tug Un restricted Navigation Dimensions Length o.a. 19,00 m Beam o.a. 6.00 m Depth at sides 2.85 m Draught aft 2.20 m

Tank capacities

: 30.00m3
: 9.67 m3
: 1.7 m3
: 1.3 m3

Performances (trials)

Speed

Propulsion System

Main engines	: 2 x Cummins KTA19-M
Total power	: 700 BHP at 1800 RPM
Gearboxes	: 2 x Twin Disc MG516
Propulsion	bronze ,480 N/S, 4 blades

:10.5 knots

Auxiliary equipment

Generator sets Battery Sets Alram system Bilge pump Ventilation Fire system

Deck lay-out

Anchors Cables Fendering Life raft

Accommodation

Wheel house Main deck Below MAIN DECK

2 officer rooms , 2 rooms x 6 crew and gally 2 rooms x 6 crew

Nautical and communication equipment

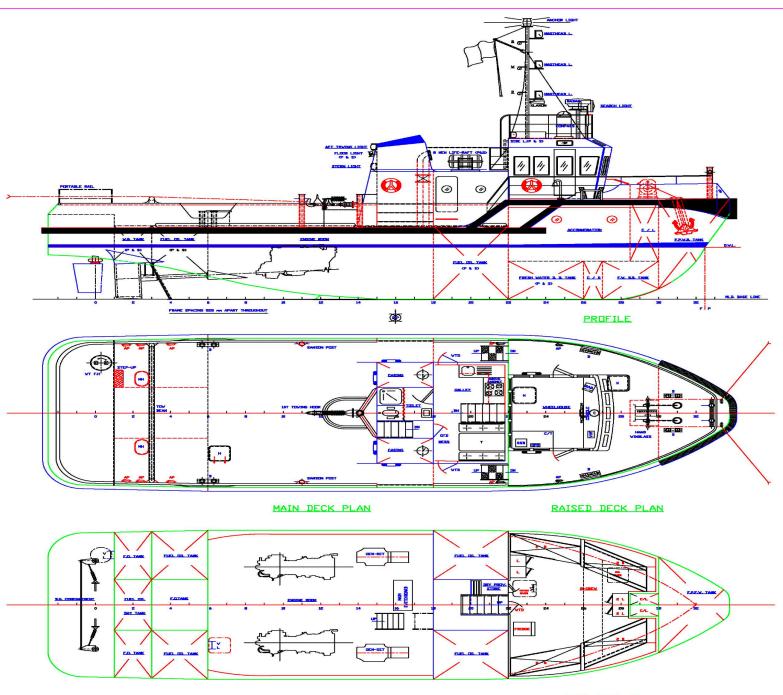
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Radar Search Lights Echo sounder One "low band" VHF multichannel radio telephone Emergency watch receiver 2182 MHz Twin balanced r udders 2units1000W Searchlights. for 360 degree search Digital/recorder type q

2 x 12V 200 Ah with change over Engines ,gearboxes ,bilge alarm ,fire detection 1Desmi SA50-180/4self-priming centrifugal pump Myson 19G.4P electrically driven of 60 m^3/min 1Desmi SA50-180/4 self-priming centrifugal pump to be provided for 3 m head. Two fire hydrants are to be provided on the main deck, automatic cut in/cut out of the pump at approximately 1.4/2.8 kg/cm pressure.

2 x 20 Kva owner specified type

2 x 140 Kg stockless anchor 2 x 110 m Rubber block fender with tyre fendering around hull 2 on top deck ,6 person each



UNDER DECK PLAN