

## 3,600 BHP Towing & Anchor Handling Twin Screw Tug

General Information		PRINCIPAL DIMENSION	
Vessel Name		Length Overall	37.00 Meters
Port of Registry	Singapore	Breadth Moulded	11.40 Meters
Year Built	2007 / 2008	Depth Moulded	4.95 Meters
Class	Germanischer Lloyd	Draft Design	4.40 Meters
		GRT / NRT	464/ 140

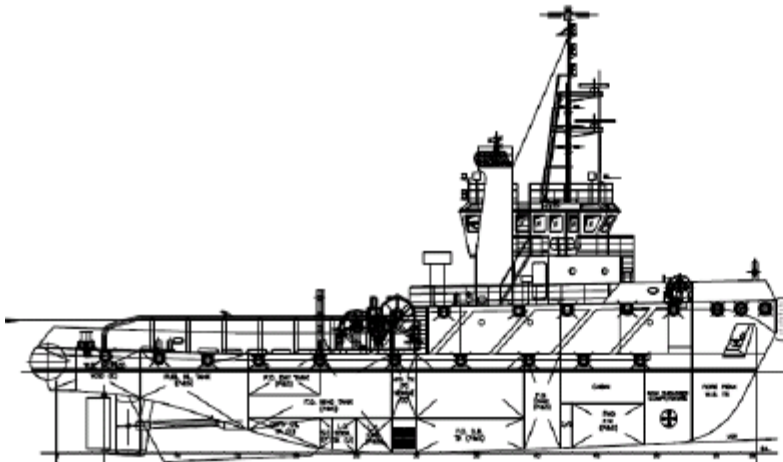
CAPACITY	
Fresh Water	37 Cubic Meters
Fuel Oil Capacity	350 Cubic Meters
Endurance	Approx. 27 Days
Main Engine & Gearbox	2 x Yanmar 8N21A-EN Diesel Engines Producing 1,800 HP each @ 900 Rpm complete with 2 x Yanmar YXH 2000C Reverse Reduction Gearboxes of 3.03 : 1 Ratio
Bollard Pull	Approx. 44.0 Tons
Speed	Approx. 10 Knots
Clear Deck Space	9.5 Meters x 8.4 Meters

AUXILIARIES & DECK EQUIPMENTS	
Generators	3 x Cummins Diesel Engines Model: NTA855-G2 coupled with 250 KW Stamford Alternator Model: HCM434F -415V/3Ph/50Hz
Propulsion	Twin Kaplan Propeller With Fixed KortNozzle
Bow Thruster	HRP 3001TT/220KW –3 TonnesThrust, 415 V/ 3PH / 50 Hz, 1,470 RPM
Towing/Anchor Winch	Waterfall Double Drum Hydraulic Winch with Local Control & Remote Control in Wheelhouse 130 TonnesBrake Holding Capacity 60 Metric TonnesLine Pull @ 15 M per minute 2x Drum Capacity Main Tow Wire 610 M x 44 mm Spare Drum 800 M x 44mm
Tugger Winch	2 x 10 Tonnes Single Drum Hydraulic Winch Line Pull @ 12 M per minute with Local Control
Towing Winch	1 unit electro-hydraulic ME 30 THTW, pull 300 kN @ 5 m/min pull 80 kN @ 20 m/min. Brake Strength 100 ton
Capstan	1 x 10 Tonnes Hydraulic Capstan Line Pull @ 10 M per minute with Local Control
Towing Pins & Sharkjaws	Combined 100 Tonnes Hydraulic Tow Pins / Sharkjaws
Firefighting	Fire Pump Coupled To Independent Diesel Engine of capacity 1,200 m3/hr Two Fixed Fire Monitors 2 x 600 m3. Head 100 m @ 1,750 RPM
Communication Equipment	GMDSS / Radar / GPS / Echo Sounder / Speed Log / Navtax/ Weather Fax / SART / EPIRB
Accommodation	Fully Air-Conditioned With Total Of 14 Berths 1 x 2 Berths Cabins / 2 x 2 Berths Cabins / 4 x 2 Berths Cabins

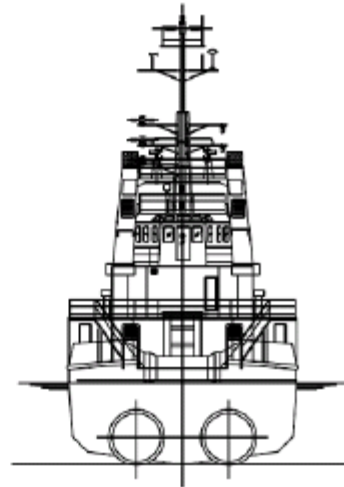
*Particulars given herein are entirely without warranty as to correctness and interested parties must satisfy themselves by inspection or other means of the details of the vessel or vessel referred to.*

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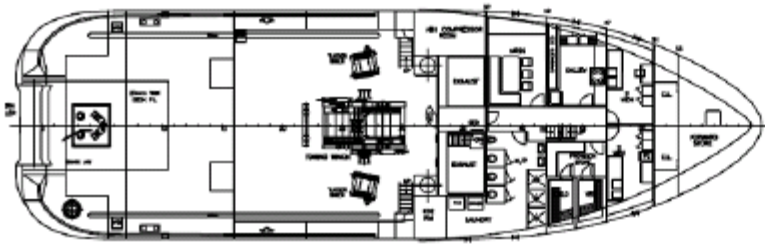
## General Arrangements



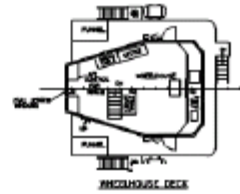
Outboard Profile



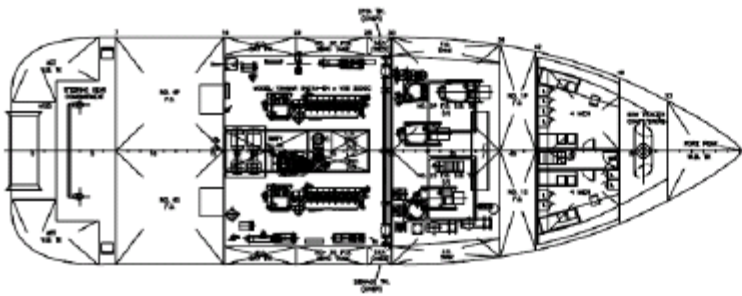
Stem View



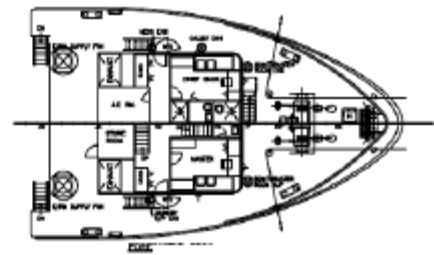
Main Deck



Wheelhouse Deck



Below Main Deck



Forecastle Deck

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