

## Maritime Ratna



### 3,200 BHP / 45 TBP / OCEAN GOING TUG

#### PRINCIPAL PARTICULARS

Year Built	2006
Flag	Singapore
Call Sign	9V6669
Official No	91223
Classification	BV 1*Hull*Mach Tug Unrestricted Navigation

#### DIMENSIONS

Length Overall	32.00 m
Length BP	31.14
Breadth Moulded	9.20 m
Depth Moulded	4.50 m
Draft (Design)	3.80 m
GRT	279
NRT	83
Clear Deck Space	10m x 8m

#### PERFORMANCE DATA

Max Speed	12.5 knots
Bollard Pull	45 tons
Endurance	7200 nautical miles @ 12 knots

#### TANK CAPACITIES

Fuel Oil	255 m3
Fresh Water	30 m3

#### MACHINERY & EQUIPMENT

Main Engines & Gearboxes	2 x Cummins KTA50-M2 diesel engines producing 1600 bhp each @ 1800 rpm. c/w 2 x Reintjes WAF664L reduction gearboxes of 5.95:1 ratio
Generating sets	2 x 100 KW Cummins diesel engines prime mover 6CT8.3-GM115. 2 x 100KW UCM274E Alternator
Propulsion	2 x solid bronze manganese each 2200 mm dia 4 blade Kaplan in Kort nozzles
Steering Gears	2 x Electro hydraulic 3 tm torque, 35/35deg coupled with auto pilot system
Anchor windlass	Thor hydraulic anchor windlass TH-22U. 2HAW 21 KN @ 12 m/min

#### MACHINERY & EQUIPMENT (cont'd)

Anchor chain	2 x 480 Kg stockless anchors 302.5M. 22 mm U2 steel stud link chain
Towing winch	Thor hydraulic towing winch TH-15HTW remote control in w/H 15t line pull @ 5 m/min. Brake holding @ 90 mt. Drum capacity 700 m x 44 mm s.w.r.
Towing hook	50 mt SWL local/remote release
Life saving apparatus	As per latest SOLAS rules
Life rafts	2 x 15 men
Oily water separator	0.5 m3/hr
Air compressors	2 x 20 m3/hr 3 Mpa -- 5.5 kw

#### NAVIGATION EQUIPMENT As per latest Solas rules.

Radar (64NM)	1 x Furuno FR-7062
Wind speed direction finder	1 x Navman New Zealand W3150
Magnetic compass	1 x imported
Navtex receiver	1 x Furuno NX-700B
GPS	1 x Furuno GP-90
Radar	1 x Furuno FR-7062
Weather fax	1 x Furuno FAX-207
Echo sounder	1 x Furuno FE-700

#### COMMUNICATION EQUIPMENT As per latest Solas rules.

MF/HF radio Telephone	1 x Furuno FS-1570
VHF radio Telephone	1 x Icom M45; 1 x Furuno FM-8800S (with DSC)
Portable 2 way VHF Tel	3 x ACR SR-102
Immarsat C (with SSAS)	1 x Furuno Felcom-15
EPIRB	1 x Mucmurdo E-3
Public address	Imported
Automatic Telephone	1 x Jiaxing Science CK-1A (Automatic exchange); 1 x Jiaxing Science HAQ-1; 5 x Jiaxing Science HAT-1; 1 x Jiaxing Science HAG-1
Sound power Telephone	2 x Jiaxing Science HSG-1E-G; 2 x Jiaxing Science HS-1Q
SART	2 x Mucmurdo