

Maritime Ratu / Maritime Raja



3,200 BHP / 45 TBP / TWIN SCREW TUG

PRINCIPAL PARTICULARS

Year Built	2004 / 2005
Classification	BV 1 * Hull * Mach Tug Unrestricted Navigation
Flag	Singapore
Official Number	390823 / 391222
Call Sign	9V6561 / 9V6668
GRT	476
NRT	142

DIMENSIONS

Length Overall	36.1 m
Length BP	32.75 m
Breadth Moulded	10.6 m
Depth Moulded	4.9 m
Draft Max	4.0 m
Clear Deck Space	14 x 9 m

PERFORMANCE DATA

Bollard Pull	45 tons
Speed Free Running	Approx. 12 knots

TANK CAPACITIES

Fuel Capacity	400 m ³
Fresh Water	70 m ³

MACHINERY & EQUIPMENT

Main Engines	2 x Caterpillar 3512B producing 1597 mhp each @ 1600 rpm c/w 2 x Twin Disc 5600 reverse reduction gearboxes of 6.06 : 1 ratio
Generator	Prime movers 2 x Cummins 6CT8.3-D (M) Alternators 2 x Stamford UCM274F output powers 2 x 100 kw. Diesel driven 380/3/50 90 mt. Drum wire capacity 700 m x 44 mm
Towing Gear	Shipneeds hydraulic towing winch SMS-HTW/SD-30/70 remote control in W/H 30t line pulls @ 0 - 5 m/min. brake holding

MACHINERY & EQUIPMENT (cont'd)

Anchor Windlass	Ship needs hydraulic anchor windlass SMS-HAW/GG-26 4.4 mt @ 10 m per minute
Anchors & Anchor Chain	2 x 750 kg stockless anchors, 2 x 220 m 26 mm U2, steel stud link chain
Anxilliary Equipment	GS pump, bilge pump, FW/SW pressure sets, sewage plant etc.
Propulsion	2 solid bronze manganese propellers each 2200mm dia. 4 bladed Kaplan type in kort nozzles
Steering gears	Scandia electric hydraulic independent steering system, 2 x 3 tm torque, 35/35 degree coupled with autopilot system
Stern Roller	2.8 m x 1 m dia, approx 150 mt S.W.L
Towing Hook	50t SWL local & remote release
Navigation System	As per latest Solas rules. Full GMDSS, main & secondary radars, gyro compass, autopilot, magnetic compass, speed log, GPS, radar transponder etc.
Air Compressors	2 x 20 m3/hr 3Mpa power 5.5 kw
Communication	As per latest Solas rules for Area 3 SSB, VHF, 2-way radio, weather fax, EPIRB, public address, intercom, sound power telephone, AIS, SART, etc.
EXTERNAL FIRE FIGHTING & OIL SPILL EQUIPMENT	
Oily Water Separator	0.5 m3/hr @ 2 kg/cm ²
Life Saving/Fire Fighting Equipment	2 x 15 men as per latest Solas rules