



# UNIWISE RAYONG

## Azimuth Stern Drive Tug

### PRINCIPAL PARTICULARS

Year Built	2005
Place Built	ASL Shipyard, Singapore
Design	WorldWide Marine BV
Flag	Thailand
Length Overall	40.20m
Length BP	37.92 m
Breadth Moulded	13.20m
Depth Moulded	6.00m
Draft (max)	5.00m
Freeboard (SLL)	1.02m
Class	BV
Notation	1 x Hull x Mach, Tug, Fire Fighting Ship 1 - Water Spraying, Unrestricted Navigation, Inwatersurvey
GRT/ NRT	696.00 T / 209.00 T
Deadweight	733.44 T
Bollard Pull	58.9 T (Ahead), 55.5 T (Astern)

### DECK PARTICULARS

Clear Deck Area	200.00 m <sup>2</sup>
Deck Carrying Load	300.00 T
Deck Strength	5.00 T/m <sup>2</sup>

### PERFORMANCE

Maximum Speed	12 Knots @ 8 T/24hrs
Economic Speed	10 Knots @ 6 T/24hrs

### PROPULSION SYSTEM

Main Engines	2 x Niigata 6L28H, 1654 kW @ 750 RPM
Auxiliary Engines	2 x Caterpillar 3406C, 260 kW @ 1500 RPM
Emergency Generator	1 x Caterpillar 3406C, 260 kW @ 1500 RPM
Air Compressor	2 x Tanabe LHC-33
Bow Thruster	Kawasaki KT-32B
Propellers	2 x CPP ZP-31CP
Steering Gear System	2 x Niigata Z Peller ZP-31CP

### TANK CAPACITIES

Fuel Oil	354.28 m <sup>3</sup>
Fresh Water	115.69 m <sup>3</sup>
Bilge	3.75 m <sup>3</sup>
Ballast Water	187.54 m <sup>3</sup>

### CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	Nil
Fresh Water Pump	Nil
Drill Water Pump	Nil
Bilge Pump	1 m <sup>3</sup> /hr



### DECK EQUIPMENT

Anchors & Chain	2 x AC-14 HHP Anchor, Chain 28 mm (Dia)
Tugger Winch	2 x Marine Equipment 5THTGW18
Capstan	2 x Marine Equipment 5THVC
Anchor Windlass c/w Bow	Nil
Crane 1	SWL 5 T @ 13 m Radius (max Radius)
Crane 2	SWL 2.3 T @ 6.2 m Radius, Provision Crane

### ANCHOR HANDLING & TOWING EQUIPMENT

Anchor Handling/ Towing Winch	40 T, 1st Layer Electro Hydraulic Brake Holding 80 T, Waterfall Double Drum
AH Drum Capacity	Nil
Tow Drum Capacity	Nil
Spare Reel Drum Cap	Nil
Line Pull @ First Layer	Nil
Brake Holding	Nil
Towing Pin	SWL 200 T, Marine Equipment
Shark Jaw	SWL 200 T, Marine Equipment
Stern Roller	SWL 110 T @ 1.5 m (Dia)
Fairlead	Nil
Bow Winch	Nil
Fwd Tow Winch	Pull 30 T x 10 m/min (1st Layer Low Speed), Pull 5 T x 30 m/min (1st Layer High Speed), Brake Holding 140 T
Aft Tow Winch	Pull 75 T x 5 m/min (1st Layer Low Speed), Pull 15 T x 25 m/min (1st Layer High Speed), Brake Holding 140 T

### ACCOMMODATION

Berths	2 x 1, 4 x 2, 1 x 4, 1 x 6 Berths
Total Pax	20

### EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	Fi-Fi 1, 2400 m <sup>3</sup> /hr
Fi-Fi Monitors	2 x 600 m <sup>3</sup> /hr, 120 m Throw Length
Fi-Fi Pump	2 x 1400 m <sup>3</sup> /hr

### LIFE-SAVING EQUIPMENT

Life Rafts	2 x 20 Men, SOLAS Compliant
Rescue Boat c/w Davit	1 x 6 Men, 25 HP of Outboard Eng, 10 L, SOLAS Compliant

Particulars are believed to be correct but not guaranteed. Owners reserve the rights to amend the specifications without notifications. Particulars are entirely without warranty as to correctness and interested parties must inspect vessel's certificates, drawings or physical inspection of vessel.

