

SWISSCO RUBY

AHTS | 50T BP | 56m | 2100 BHP

TOWING & ANCHOR HANDLING

Anchor Handling / Towing Winch	150 tonnes line pull @ 1st layer
Tugger Winch	1 x 5 tonnes @15m/min electro hydraulic
Winch Type	Electric Powered Hydraulic Operated Winch
Anchors	2 x 1080kg
Anchors Windlass	5 Tons @ 12m/min
Anchor Chain	2 X 36mm
Chains	8 shackles Port & Starboard
Stern Roller	1.6 m x 5m (SWL 200tonnes)
Capstans	2 x 5 tonnes @15m/min 5m long x 1.6m dia (SWL 200t)
Wire Rope	Tow wire: 50mm x 1000m
Sharkjaw / Tow Pin	200 Tons Hydraulic
Tow Wire	1000 m x 50mm
Rated Pull	75 t x 0-5m/min (1 st layer, 1 st speed
Brake Holding Load	150 t (Static 1 st layer)
Drum Capacity	1000 m x 52 mm
Brake Capacity	150 t (Static 1 st layer)
Winch Wire Capacity	1000 m x 52 mm

PERFORMANCE & FUEL CONSUMPTION

Max Speed	12 knots	13 MT/day
Service Speed	10 knots	11 MT/day
Economic Speed	8 knots	9 MT/day
Standby	NA	3 MT/day

DOCUMENTATION

Classification	BV - Bureau Veritas
Year Built	2013
Keel Laid Year	2012
Place of Build	Guangzhou, China
Notation/Vessel Type	Tug Supply vessel Special service / Anchor Handling Vessel
Port of Registry	Singapore
Flag	Singapore
Official No.	398600
Call Sign	9V2084
IMO No.	9690119

MAIN PARTICULARS

Length Overall (LOA)	56.20 m
Length BP	49.10 m
Breadth Moulded	13.8 m
Depth Moulded	5.50 m
Draft (max)	4.75 m
Draft (operational)	3.3 – 4.75 m
Displacement	2340 t
Bollard Pull	50 Ton
Brake Horsepower	2100 BHP X 2 ENGINE
GRT / NT	1182 / 354
Lightship Weight	1188.5 t
Deadweight	1000 Ton (approx.)
Summer Freeboard	0.75 m

Specifications are provided in good faith, subject to change, and without liability for errors or omissions.

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Stanford Marine Asia Pte Ltd: 3 International Business Park, #03-18 Nordic European Centre | +65 65066100 | +65 65066101

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56M ANCHOR HANDLING SUPPLY TUG



CARGO DECK

Deck Strength	5T/m ²
Deck Cargo Tonnage	as per loading condition
Clear Deck Area	290.52 m ²
Deck Length	26.9m
Deck Width	10.8m

CAPACITY

Fuel Oil	600.0 m ³
Fresh Water	420.0 m ³
Ballast Water	135.0 m ³
Lube Oil	4.4 m ³
Dirty Oil	6.6 m ³
Hydraulic Oil	10.5 m ³
Bilge Holding Sewage Tank	10.5 m ³
Foam	7.6 m ³
Dry Bulk Cement	113 m ³
Mud Tank	150.0 m ³

DELIVERY RATES

Fuel Oil	1 x 100m ³ /hr @ 75m Head
Fresh Water	1 x 100m ³ /hr @ 75m Head
Ballast Water	60 m ³ /hr @ 50m Head
Dirty Oil	2 m ³ /hr @ 29m Head
Bilge Holding Sewage Tank	60 m ³ /hr@50m Head
Dry Bulk Cement	88 m ³
Mud Tank	2 x 48 m ³ /hr @ 55m Head

MACHINERY

Type / Model of Main Engine	2 x Caterpillar 3516C, 2100 BHP @ 1600 RPM
Auxiliary Engines	3 X 275 kW - Caterpillar – C18
Engines Max RPM	1600 RPM
Total Horsepower (BHP)	4200 (BHP)
Types of Generators	3 x Caterpillar C18 415 V/50 Hz/275 kW
Capacity of Generator	3 x 415 V/50 Hz/275 kW
No. of Generator required for normal operation	1 Nos.
Emergency Generator Capacity	Cummins 50kW
Model of Bow Thruster	Fixed Pitch Type
Type / Capacity of Bow Thruster	1 forward thruster, 390 kW
Main Propulsion Type	2 x Solid Blades Manganese Bronze Fixed Pitch Propeller 1
Gearbox	2 x Reinjes / 790780 WAF 763
Main Alternator	415V / 477 AMPS
Rudders	2 x Floating Rudder
Steering Gear	2 x 2 Ram – Electro Hydraulic

ACCOMMODATIONS

Total Accommodation	40 men
Single Men Berth	2 units
2 Men Berth	3 units
4 Men Berth	8 units

OTHER FACILITIES

Hospital	1 Nos.
Washroom	14 Nos.
Laundry	1 Nos.
Galley	1 Nos.
Mess Room	1 Nos.

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SAFETY EQUIPMENT

Life Rafts	6 x 20 men
Rescue Boat	1 x 6 men, 25 HP
RB Davit	Zhenjian Hengxin / SA 23-1 / 14 kN
Life Buoys	8 Pcs
Life Jackets	48 units
Scrambling Nets	2 Pcs
Overside Rescue Zones	2 Pcs
Fire Pump	1 x 1500 m ³ /hr fire pump (1/2 FiFi)
Fire Monitors	2 x 600 m ³ /hr monitors
Firemen Outfit	2 units
Fire Monitors	1 x 1500 m ³ /hr fire pump(1/2 FiFi) with 2 x 600 m ³ /hr monitors
Portable Fire Extinguishers	62 Pcs
Fire Station	2 Pcs
Searchlights	2 Pcs
Line Throwing Apparatus	4 Pcs
Parachute Distress	12 Pcs
Rocket	6 Pcs
Orange Smoke Signals	2 Pcs

ELECTRONICS & CONTROLS

Radar	2 x JRC / Furuno
Gyro Compass	1 No / Yokagawa
Projection Magnetic	SAURA KEIKI / MR-150
Compass	1 x JRC / Furuno Gyro Compass / 1 x SAURA MR - 150A Magnetic Compass
GPS	1 x JRC / FURUNO
AIS	1 x JRC / FURUNO - FA150
Echo Sounder	1 x JRC / FURUNO - 200 kHz
Sat Phone/Fax/Email	Fixed
Doppler Current Meter	JRC JLN 205MK2
Auto Pilot	1 x Robertson / Anschutz
SSB	Fitted
VHF	JRC X 2 Nos
NAVTEX Receiver	1 x JRC / Furuno - 518 kHz
GMDSS	Fitted
INMARSAT C	1 x FURUNO
EPIRB	1 x E3 McMurdo
SART	2 x McMurdo - 9 Ghz
Speed Log	1 x JRC / Furuno
Public Address System	1 Nos HUAYAN
ECDIS	1 No - SIMRAD
Anemometer	1 No SIMRAD
Weather Fax	1 Nos JRC JAX 9B

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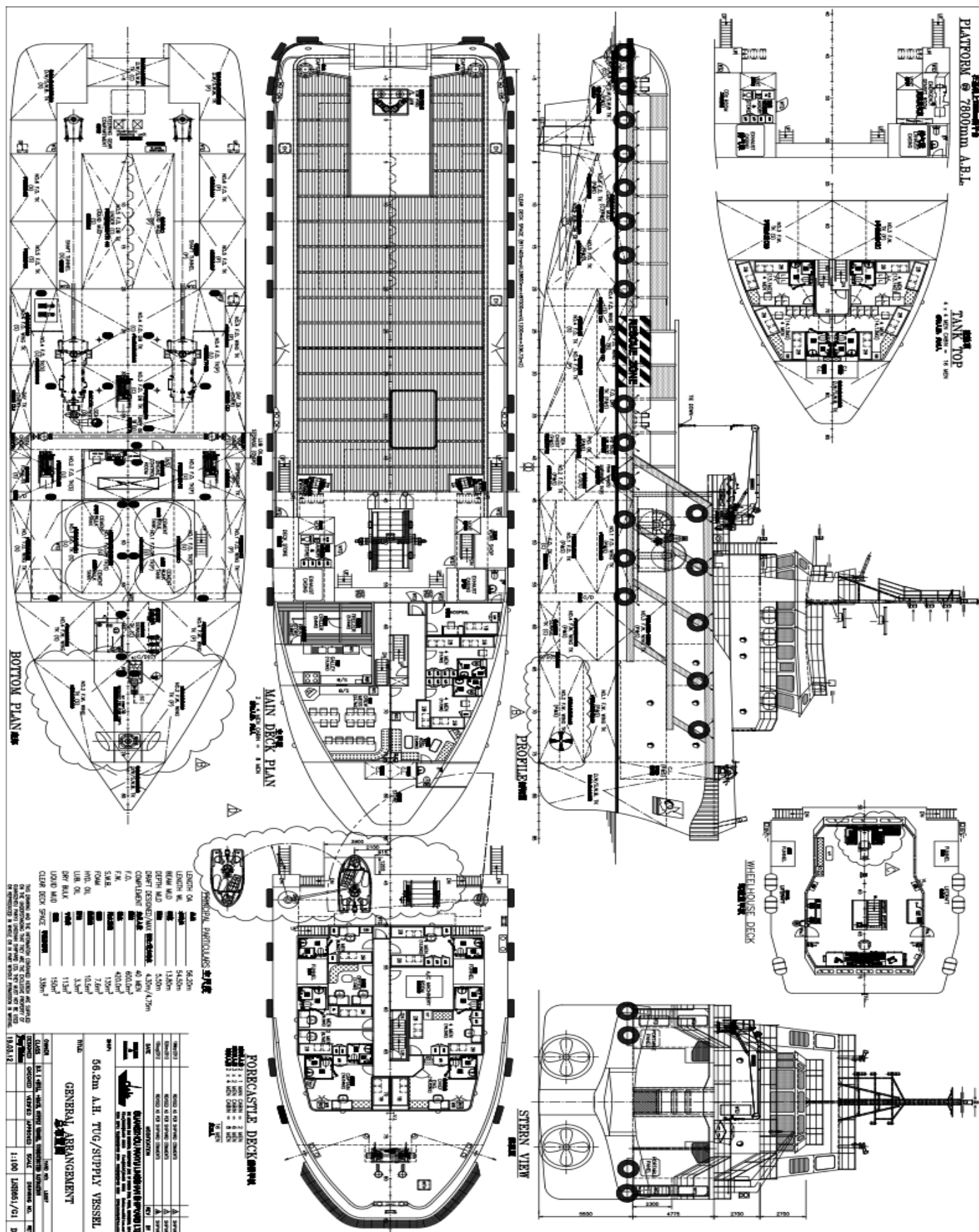
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STANFORD MARINE



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