



# TUGBOATS

## 30.5 m x 41 TBP CONAN WU DESIGN

GENERAL	
DESIGNER	Conan Wu & Associates PTE LTD./ SINGAPORE
BASIC FUNCTIONS	Towage, mooring, fire-fighting
CLASS NOTATION	I HULL MACHINERY, Fi-Fi Ship 1, Unrestricted Navigation - Bureau Veritas -
ACCOMMODATION	12 men.
SHIPYARD	Torgem Shipyard. Istanbul-Tuzla
YEAR OF BUILT	2004
HULL NUMBER	073
OFFICIAL NUMBER	751
TYPE	ASD

DIMENSIONS	
LOA	30.50 m
BEAM	9.60 m
DEPTH	4.38 m
MAX. DRAFT	4.03 m
GRT	334
NRT	100
BHP	3400

PERFORMANCE	
BOLLARD PULL	41 tonnes
SPEED TRIALS	Approx. 12 knots

CAPACITIES	
FUEL OIL	119 tonnes
F.W	76 M/T

PAINT SYSTEM	JOTUN
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MACHINERY	
MAIN ENGINES	2 x 1250 kW @ 1600 rpm DEUTZ four stroke marine diesel engines type TBD 620 V12 , in Vee - configuration
PROPELLER SYSTEM	2 x Schottel SRP 1010 CP Azimuth thrusters forward and aft control Stations at whellhouse.
GENERATOR	2 x 84 Kw CUMMINS 6 BT 5,9 DM, 380 V, 50 Hz, 3 Ph main marine diesel generator set.
FI-FI 1 SYSTEM	KV RNER Fi-Fi 1 system directly drive by main engines. Remote control panel at wheelhouse. Capacity of waterspray system is 300 cub. m.
AFT TOWING WINCH	Electro – Hydraulic, single drum, 90 tonnes break capacity (on the first layer). 20 tonnes at 0-6 m/ min. Wheelhouse remote control and local control.
FWD TOWING WINCH	Electro-hydraulic, single drum, 90 tonnes brake capacity (on the first And Combined layer). 20 tonnes at 0-5,6 m/min.
And Combined anchor windlass	Two declutchable chain lifters with Anchor Windlass band brake on the same shaft with drum. Wheelhouse remote - local control and escort operation.
REEL WINDER	One rope drum with capacity of 7,5 kW 380 V AC electrical motor.
TOWING HOOK	Working load 45 tonnes, test load 90 tonnes. Pneumatic release remote and local control.

AUXILIARY EQUIPMENTS	
Bilge Water Sys.	500 cub.m / hr capacity
Bilge Water Sys.	12 pers / day.
Bilge&Ballast Pump	40 cub.m / hr capacity
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Bilge&Ballast Pump	8 cub.m / hr capacity
Fuel Trf. Pump	10 cub.m / hr capacity.
Sewage Disc. Pump	10 cub.m / hr capacity.
Compressors	2 x 22.8 cub.m / hr capacity at 12 bar.
Air Cond. Unit	Approx. 80,000 BTU Cooling / Approx. 80,000 BTU Heating capacity at all accommodation compartment.
Searlight	2 x 1000 watt 220 V
Floodlight	2 x 1000 watt 220 V and 2 x 500 watt 220 V
Eng. Room Vent.	2 x approx.30.000 cub.m / hr capacity
Life Raft	2 x 16 persons
Rescue Boat	1 x 4.5 m, 15 bhp motor

Nav. & Comm. Eqp.	GMDSS Area A2 but easy to modified to Sea area A3
	Radar - JRC - JMA 3910-6
	GMDSS - JRC - JSB 196 GM
	GPS - JRC - J-NAV 500
	GMDSS InmarsatC - JRC - JUE 75 C
	GMDSS VHF - SAILOR - RT 4822
	Echo Sounder - JRC - FF 50
	Navtex - JRC - NCR 330
	Epirb - MC MURDO - 82 001A
	Autopilot - NAVITRON - NT 921
	Sart - MC MURDO -80 D130
	VHF - ICOM - M 402
	Magnetic Compass - LILLEY&GILLIE - SCH 146
	Batteryless Ph. Sys - ZENITEL - VSP
	Talk Back - ZENITEL - ETB – 5
	Telephone Central - KAREL - MS-48 4/8
	AIS - JOTRON - PR 2500

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