

TUGBOATS

22.5 m x 40 TBP CONVENTIONAL TUG

Dimensions	
Length Overall	22,50 m
Beam, Moulded, Extreme	8,80 m
Depth, Moulded (Hull)	3,66 m
Maximum Draft	2,64 m

General	
Basic Functions	Coastal Towing, Mooring, Oil Pollution, Fire-Fighting
Design	Robert Allan Ltd. / Canada
Class	Bureau Veritas I Hull Machinery Tug + Coastal Area Service Coastal Towing
Flag	Turkish
Port Of Registry	Istanbul
Bollard Pull	abt. 40 Tons (Ahead at %100 MCR)
Speed	abt. 12 knots free running
Accommodation	for 6 persons

Tank Capacities	
Fuel Oil	appr. 73.500 litres
Fresh Water	appr. 17.200 litres
Foam	appr. 4.000 litres
Ballast	appr. 4.000 litres

FI-FI System	Main Fire Fighting Pump
Type	Horizontal, centrifugal, main engine driven.
Capacity	1200 m ³ / h s.w at approx. 120 mlc and 1800 rpm
Quantity	1 pc
Shaft Power	450 Kw

Water Foam Monitor	
Type	F/J nozzle, remote operated
Cap. Water	600 m ³ /h
Quantity	2 pcs.
Power	400 V, 50 Hz, 3 ph.

Main Equipment List			
Main Engines	2x CATERPILLAR 3512 B diesel engines / 1575 BHP / 1800 rpm	Propeller	2 Pcs with nozzles
BHP	3150 BHP	Propeller Diameter	2050 mm.
Conventional Propulsion	C-45 shafting system with bronze liners in way of water lubricated bearings and stuffing box. Steel stern tube, water lubricated bearing at aft end, bronze stuffing box at forward end	Nozzle Diameter	2060 mm.

Towing Winches	12 x 90 Hz, hydraulic single drum aft towing winch, one warping head. Spooling gear fitted on drums. Wire capacity: 100 m and diameter of 56 mm.	Anchor	2 x 300 kg
	12 x 90 Hz hydraulic fore towing winch and combined anchor windlass with one rope drum, two cable lifters and two warping heads. Spooling gear fitted on drum. Wire capacity: 100 m of diameter 56 mm.	Chains	Two declutchable chain lifters with band brake on the same shaft with the drum 2 x Grade U2, 22 mm diameter
Towing Hook	45-90 P type safe working load: 45 tons/test load: 90 tons One rotating disc and quick-release type towing hook. Local and bridge control pneumatic type with quick release Mechanism - 180 derece swiveling	Life Raft	2x8 PA
Generator	2XCATERPILLAR 3054 Marine Diesel driven generator 60 kW / 75 kVA by 1500 rpm 50 Hz	Rescue Boat	1 Pc Diam. (4.50x1.90mt) 6 Persons
		Life Buoy	6 Pcs
		Life Jackets	8 Pcs
		Communication Equipment	GMDSS sea area A2

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