



ASD 24/45 Class Tug

GENERAL

HULL NAME	EREGLI 43-44
YARD NAME	Eregli Shipyard
DELIVERY DATE	June 2015
DESIGN	Robert Allan Ltd. ASD 24/45 Class Tug
BASIC FUNCTIONS	Towing, pushing, mooring and fire-fighting operations
CLASSIFICATION	BUREAU VERITAS I ✕ HULL ✕ MACH; TUG ✕ AUT-UMS; UNRESTRICTED NAVIGATION; FIRE FIGHTING SHIP E

DIMENSIONS

LENGTH O.A.	24,39 m
BEAM O.A.	9,15 m
DEPTH (MOULDED)	3,96 m
DRAUGHT (LOADED)	3,002 m (Above Baseline)
GROSS TONNAGE	195 ton

TANK CAPACITIES

FUEL OIL	72,069 m ³
FRESH WATER	19,092 m ³
SLUDGE TANK	2,69 m ³
BLACK WATER	3,48 m ³
FOAM	14,66 m ³

PERFORMANCES

MAX. BOLLARD PULL	49,5 ton
STATIC BOLLARD PULL	48,5 ton
SPEED	12 knots

PROPULSION SYSTEM

MAIN ENGINES	2 x CAT 3512C C-RATING
TOTAL POWER	2 x 1230 BKW (1650 BHP) / 1800 RPM
AZIMUTHING STERN DRIVE	2 x Schottel SRP 1012
PROPELLERS	2100mm dia, CU3 material

DECK EQUIPMENT

ANCHORS & CHAIN	2 x 262,5 kg (High Holding Power) Total 192,5 m short link chain 17,5 mm Gr 2
ANCHOR& TOWING WINCH	1 pc Gurdesan GD.TW –250 with one rope drum, two cable lifters and two warping heads. Spooling gear fitted on drum. drum (Drum Capacity: 40mm dia 1x200 meter) and One chain lifter for chain size 17,5 K2
TOWING HOOK	Mampaey Quick Release Disc Type Towing Hook, type DCX. 30/45
AFT TOWING WINCH	1 pc Electrical aft winch One(1) piece GD.ATW –250 with one towing drum (Drum Capacity: 40mm dia 600 meter) and one warping head.
FENDERS	Protected the vessel forward and aft mounted by vertically W type 480x300x1016 (40")keyhole type rubber fenders. Protected vessel sides full mounted by D-300 type rubber fenders.
LIFE RAFT	2 x on top deck, 8 persons

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CAT C4.4 86 ekW 1500rpm
BILGE PUMP	1 pcs 40,00 m ³ /h
COOLING WATER SYSTEM	ALFA LAVAL Plate Heat exchanger
FRESH WATER SYSTEM	Electrical hydrophore and sewage pump
AIR-CONDITIONING	HEINEN HOPMAN: Serving Accommodation and Wheelhouse: Cap. 1.920m ³ /hr.
VENTILATION	Serving Sanitary Main Deck: 2 x 60 m3 centrifugal direct driven fan Exhaust system serving galley: 1 x 400 m3/hr. centrifugal direct driven fan MECHANICAL VENTILATION SUPPLY: 2 x SALOR 26.500 m ³ /hr.
EXTERNAL FIRE FIGHTING	MARSIS SUPPLY 1 off integrated control system, for two monitors, including clutch for 1 x FiFi pump connecting to port main engine's PTO PLC based interlock function for engine ready to start fi-fi and valve position. Capacity: 1 x 1400 m ³ /h at 125 mwc

ACCOMMODATION

Accommodation for 6 persons, high-quality and great-comfort accommodation is climate-controlled and includes a captain's cabin, an officer cabin and two double crew cabins.

NAUTICAL AND COMMUNICATION EQUIPMENT

JRC - COMPLYING GMDSS A2 AREA	
SEARCHLIGHT	Seematz, 24 V, 1000 W
RADAR	JRC JMA-3334
GPS COMPASS	JRC JLR-21
GPS NAVIGATOR	JRC – JLR - 7500
VHF RADIO	2x JRC – JSS -2150
WIND SYSTEM	NASA CLIPPER
AIS	I Marine
ECHOSOUNDER	JRC-600
MAGNETIC COMPASS	CASSEN TYPE 21
AUTOPILOT	Navitron – NT921 MKII
NAVTEX	JRC NCR-333
EPRIB	Jotron Tron 60S
SART	Jotron Tron Ais Sart