



SEA THE FUTURE



RAsTar 3600

**36m 95 TBP
ASD Tugboat**



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RAstar 3600



DESIGN / BASIC FUNCTIONS

Robert Allan Ltd. / Towing, pushing, escorting, mooring, fire-fighting

CLASSIFICATION

I / C ✕ HULL ✕ MACH, AUT-UMS, ESCORT TUG, UNRESTRICTED NAVIGATION, FIREFIGHTING SHIP 1 WITH WATER SPRAYING, INWATERSURVEY

DIMENSIONS

LENGTH O.A.	35,80 m ³
BEAM	14,50 m ³
DEPTH	6,03 m ³
DRAFT _{max}	6,60 m ³
GROSS TONNAGE	> 500

PERFORMANCES

BOLLARD PULL	95 TBP
SPEED	13,5 knots

TANK CAPACITIES

FUEL OIL	235,7 m ³
FRESH WATER	148,2 m ³
SEWAGE	9,0 m ³
OILY WATER	4,6 m ³
FOAM	36,3 m ³

ACCOMMODATION

Crew Capacity 10 persons

HVAC (Accommodation)	Central AC unit with ducting to cabins
HVAC (Wheelhouse)	Top-mounted split type A/C units
HVAC (SWB room)	Separate split type A/C unit

ARRANGEMENT	1 x master cabin 1 x officer cabin 4 x double crew cabin
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PROPULSION SYSTEM

TOTAL POWER (95 TBP)	8210 BHP high speed diesel marine engines
EMISSION STANDARD	IMO Tier II / IMO Tier III
ASD UNITS	2 x Fixed Pitch propellers
SHAFTING	Composite shaft
BOW THRUSTER	1 x electrical driven bow thruster, 200 kW

AUXILIARY EQUIPMENT

GENERATOR SET	2 x 315 ekW 1500 rpm 50 Hz
MACHINERY COOLING SYSTEM	Box cooler
AIR-CONDITIONING	A refrigerating plant capable for 100% of the total capacity comprising the following main parts: 2x compressor & 2x condenser
FIFI 1 SYSTEM	2 x M/E driven 1350 m ³ /h FiFi pump 2 x water monitor, remote operated
FIFI 1 SYSTEM (OPT)	1 x M/E driven 2735 m ³ /h FiFi pump 2 x water monitor, remote operated

DECK EQUIPMENT

FORE TOWING WINCH	Hydraulically driven double drum escort winch
AFT TOWING WINCH	Hydraulically driven single drum towing winch
AFT TOWING HOOK	SWL 100 tons, quick release type
FENDERS	Rubber, Cylinder, W and D type fendering
DECK CRANE	840 kg at 8,1 m reach
RESCUE BOAT CRANE	12 kN at 5 m
RESCUE BOAT	One (1) rescue boat with heavy duty sea water resistant hull with Solas Engine 25HP

OPTIONAL EQUIPMENT

TOW PINS	SWL 100 tons
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NAVIGATION AND COMMUNICATION EQUIPMENT

Navigation and communication equipment will be provided by FURUNO or JRC, in accordance with GMDSS area 3, including but not limited to:

Searchlight, Radar, DGPS Navigator, AIS Class A, Satellite Compass, Magnetic Compass, Navtex, Sounder, Weather Station, MF/HF Radio Telephone, Inmarsat Mini-C, Sart / EPIRB, Autopilot, BNWAS, Intercom, VHF, Handheld VHF, Batteryless Telephone, Speed Log/Echosounder.