



SEA THE FUTURE



Rastar 3000-W

**30m 80/85/90 TBP
ASD Tugboat**



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RAsTar 3000-W



DESIGN / BASIC FUNCTIONS

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

CLASSIFICATION

I / C ✕ HULL ✕ MACH, ESCORT TUG, FIRE FIGHTING SHIP 1, WATER SPRAYING, UNRESTRICTED NAVIGATION, AUT-UMS, AUT-PORT, INWATERSURVEY

DIMENSIONS

LENGTH O.A.	29,70 m
BEAM	13,30 m
DEPTH	5,45 m
DRAFT _{max}	6,00 m
GROSS TONNAGE	< 500

PERFORMANCES

BOLLARD PULL RANGE	80 - 90 TBP
SPEED	12,5 knots

TANK CAPACITIES

FUEL OIL	203,4 m ³
FRESH WATER	36,2 m ³
POTABLE WATER	18,4 m ³
BLACK WATER	5,2 m ³
GREY WATER	5,2 m ³
OILY WATER	3,9 m ³
SLUDGE	2,4 m ³
FOAM	10,6 m ³

ACCOMMODATION

Crew Capacity	8
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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 3 x double crew cabin
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PROPULSION SYSTEM

TOTAL POWER (80 TBP)	6300 BHP high speed diesel marine engines
TOTAL POWER (85 & 90 TBP)	6770 BHP high speed diesel marine engines
EMISSION STANDARD	IMO Tier II / IMO Tier III
ASD UNITS	2 x Fixed Pitch propellers
SHAFTING	Carbon fiber shafting

AUXILIARY EQUIPMENT

GENERATOR SET	2 x 99 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 HOOK	SWL 100 tons, quick release type
CAPSTAN	SWL 5 tons, electric driven
FENDERS	Rubber, Cylinder, W and D type fendering

OPTIONAL EQUIPMENT

AFT TOWING WINCH	Hydraulically driven single drum towing winch
DECK CRANE	840 kg at 8,1 m reach

NAVIGATION AND COMMUNICATION EQUIPMENT

Navigation and communication equipment will be provided by FURUNO or JRC, in accordance with GMDSS area 2, 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.