



SEA THE FUTURE



RAstar 3200-W

**32m 80/85/90 TBP
ASD Tugboat**



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RAstar 3200-W



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.	31,80 m
BEAM	13,20 m
DEPTH	5,57 m
DRAFT _{max}	6,05 m
GROSS TONNAGE	< 500

PERFORMANCES

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

TANK CAPACITIES

FUEL OIL	186,5 m ³
FRESH WATER	43,8 m ³
POTABLE WATER	23,4 m ³
SEWAGE	8,3 m ³
OILY WATER	5,7 m ³
FOAM	6,2 m ³

ACCOMMODATION

Crew Capacity	10 (MLC Compliant)
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

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
TOW PINS	SWL 100 tons
STERN ROLLER	
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

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.