



SEA THE FUTURE



Rastar 4200

42m 120 TBP
ASD Tugboat



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RAsTar 4200



DESIGN / BASIC FUNCTIONS

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

CLASSIFICATION

C ⚡ SALVAGE TUG, UNRESTRICTED NAVIGATION,
FIREFIGHTING SHIP 1; WATER SPRAYING, INWATERSURVEY,
⚡AUT-UMS

DIMENSIONS

LENGTH O.A.	42,00 m
BEAM	16,00 m
DEPTH	6,40 m
DRAFT _{max}	7,20 m
GROSS TONNAGE	> 500

PERFORMANCES

BOLLARD PULL	120 TBP
SPEED	13,5 knots

TANK CAPACITIES

FUEL OIL	508,4 m ³
FRESH WATER	180,5 m ³
POTABLE WATER	96,6 m ³
BLACK WATER	10,2 m ³
GREY WATER	10,2 m ³
SLUDGE	5,9 m ³
OILY WATER	5,9 m ³
FOAM	9,6 m ³

ACCOMMODATION

Crew Capacity	18 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	2 x master cabin 2 x officer cabin 7 x double crew cabin

PROPULSION SYSTEM

TOTAL POWER (120 TBP)	9925 BHP high speed diesel marine engines
EMISSION STANDARD	IMO Tier II
ASD UNITS	2 x Fixed Pitch propellers
SHAFTING	Composite shaft

AUXILIARY EQUIPMENT

GENERATOR SET	3 x 200 ekW @1800 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 waterfall double drum towing winch
AFT TOWING HOOK	SWL 150 tons
CAPSTAN	SWL 8 tons, electric driven
DECK CRANE	PALFINGER / PK41002M
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
FENDERS	Rubber, Cylinder, W and D type fendering

OPTIONAL EQUIPMENT

TOW PINS	SWL 300MT
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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.