



SEA THE FUTURE



25m 70/75/80 TBP
ASD Tugboat



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Ramparts 2500-W



DESIGN / BASIC FUNCTIONS

Robert Allan Ltd. / Towing, pushing, mooring, firefighting

CLASSIFICATION

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

DIMENSIONS

LENGTH O.A.	25,40 m
BEAM	12,40 m
DEPTH	4,60 m
DRAFT _{max}	5,72 m
GROSS TONNAGE	< 400

PERFORMANCES

BOLLARD PULL RANGE	70 - 80 TBP
SPEED	12 knots

TANK CAPACITIES

FUEL OIL	92,8 m ³
FRESH WATER	20,4 m ³
F.O. OVERFLOW	2,3 m ³
OILY WATER	2,3 m ³
USED OIL	3,7 m ³
SLUDGE	5,5 m ³
LUBE OIL	2,0 m ³
HYDRAULIC OIL	0,8 m ³
FOAM	8,3 m ³
SEWAGE	10,3 m ³
VOID (Reserved rec oil)	38,2 m ³

ACCOMMODATION

Crew Capacity	8
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 chief cabin 3 x double crew cabin

PROPULSION SYSTEM

TOTAL POWER (70 TBP)	5100 BHP high speed diesel marine engines
TOTAL POWER (75 TBP)	5900 BHP high speed diesel marine engines
TOTAL POWER (80 TBP)	6300 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 70% 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	Electric frequency controlled double drum towing 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	Electric frequency controlled single drum towing winch
DECK CRANE	730 kg at 9,6 m reach
RESCUE BOAT & CRANE	1 x 6 persons SOLAS rescue boat with one 25 HP outboard engine and 1 x crane

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, GPS Receiver, GPS Compass, Doppler Speed Log, Echo Sounder, Navtex Receiver, AIS, MF/HF Radiotelephone, VHF Radiotelephone, Mini-C SSA System, AIS-SART, GMDSS VHF, BNWAS, Magnetic Compass, Talkback System, Batteryless Telephone, Autopilot.