



SEA THE FUTURE

Ramparts 2300-W



23m 60/65/70 TBP  
ASD Tugboat



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# Ramparts 2300-W



## DESIGN / BASIC FUNCTIONS

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

## CLASSIFICATION

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

## DIMENSIONS

LENGTH O.A.	23,40 m
BEAM	11,90 m
DEPTH	4,60 m
DRAFT <sub>max</sub>	5,75 m
GROSS TONNAGE	< 400

## PERFORMANCES

BOLLARD PULL RANGE	60 - 70 TBP
SPEED	12 knots

## TANK CAPACITIES

FUEL OIL	80,8 m <sup>3</sup>
FRESH WATER	55,9 m <sup>3</sup>
POTABLE WATER	12,0 m <sup>3</sup>
SEWAGE	4,1 m <sup>3</sup>
OILY WATER	3,7 m <sup>3</sup>
SLUDGE	3,7 m <sup>3</sup>
FOAM	7,4 m <sup>3</sup>

## ACCOMMODATION

Crew Capacity	7
HVAC (Accommodation)	Central AC unit with ducting to cabins
HVAC (Wheelhouse)	Top-mounted split type A/C units
ARRANGEMENT	1 x master cabin 2 x officer cabin 2 x double crew cabin

## PROPULSION SYSTEM

TOTAL POWER (60 TBP)	4750 BHP high speed diesel marine engines
TOTAL POWER (70 TBP)	5100 BHP high speed diesel marine engines
EMISSION STANDARD	IMO Tier II / IMO Tier III
ASD UNITS	2 x Fixed Pitch propeller
SHAFTING	Carbon fiber shafting

## AUXILIARY EQUIPMENT

GENERATOR SET	2 x 86/99 kW 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 1400 m <sup>3</sup> /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 70 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	840 kg at 8,1 m reach
RESCUE BOAT & CRANE	1 x SOLAS rescue boat with one 15 HP outboard engine and 1 x rescue crane

## NAVIGATION AND COM. 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, Satellite Compass, Doppler Speed Log, Navigational Echosounder, Navtex Receiver, AIS, MF/HF Radio Telephone, VHF Radio Telephone, Inmarsat Mini-C Mobile Earth Station, Float Free EPIRB, AIS-SART, GMDSSCompass, Weather Station, Intercom System, Batteryless Telephone SystemS and Maritime Hand Held VHF, BNWAS, Autopilot, Magnetic.