



SEA THE FUTURE



Ramparts 2300-MM

**23m 50/55 TBP
ASD Tugboat**



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Ramparts 2300-MM



DESIGN / BASIC FUNCTIONS

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

CLASSIFICATION

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

DIMENSIONS

| | |
|----------------------|---------|
| LENGTH O.A. | 23,00 m |
| BEAM | 10,90 m |
| DEPTH | 4,40 m |
| DRAFT _{max} | 5,05 m |

PERFORMANCES

| | |
|--------------------|-------------|
| BOLLARD PULL RANGE | 50 – 55 TBP |
| SPEED | 12 knots |

TANK CAPACITIES

| | |
|---------------|---------------------|
| FUEL OIL | 61,9 m ³ |
| FRESH WATER | 21,8 m ³ |
| POTABLE WATER | 11,4 m ³ |
| SEWAGE | 10,3 m ³ |
| OILY WATER | 3,2 m ³ |
| SLUDGE | 1,5 m ³ |
| FOAM | 3,2 m ³ |

ACCOMMODATION

| | |
|---|--|
| Crew Capacity | 6 8 (Optional) |
| HVAC (Accommodation) HVAC (Wheelhouse) | Central AC unit with ducting to cabins Top-mounted split type A/C units |
| ARRANGEMENT | 1 x master cabin 1 x officer cabin 2 x double crew cabin |

PROPULSION SYSTEM

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|------------------------------|---|
| TOTAL POWER (50 & 55 TBP) | 4224 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 86 ekW 1500 rpm 50 Hz |
| MACHINERY COOLING SYSTEM | Plate 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 | 1 x M/E driven 1400 m ³ /h FiFi pump 1 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

| | |
|-----------------------------|--|
| DECK CRANE | 840 kg at 8,1 m reach |
| SERVICE BOAT & MANUAL DAVIT | 1 x 6 persons service boat with one (1) 9,8 HP outboard engine and 1x manual davit |

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, 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, GMDSS and Maritime Hand Held VHF, BNWAS, Autopilot, Magnetic Compass, Weather Station, Intercom System, Batteryless Telephone System.