



SEA THE FUTURE



Rascal 2100-Z

21m 35/40/45/50 TBP  
ASD Tugboat



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# Rascal 2100-Z



## DESIGN / BASIC FUNCTIONS

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

## CLASSIFICATION

I / C ⚡ HULL • (⚡) MACH, AUT-UMS, TUG, UNRESTRICTED NAVIGATION, FIREFIGHTING SHIP E, INWATERSURVEY

## DIMENSIONS

|                      |         |
|----------------------|---------|
| LENGTH O.A.          | 21,40 m |
| BEAM                 | 11,30 m |
| DEPTH                | 5,10 m  |
| DRAFT <sub>max</sub> | 4,00 m  |
| GROSS TONNAGE        | < 300   |

## PERFORMANCES

|                    |             |
|--------------------|-------------|
| BOLLARD PULL RANGE | 35 - 50 TBP |
| SPEED              | 11,5 knots  |

## TANK CAPACITIES

|             |                     |
|-------------|---------------------|
| FUEL OIL    | 47,2 m <sup>3</sup> |
| FRESH WATER | 10,8 m <sup>3</sup> |
| SEWAGE      | 10,8 m <sup>3</sup> |
| OILY WATER  | 3,8 m <sup>3</sup>  |
| FOAM        | 2,3 m <sup>3</sup>  |
| LUBE OIL    | 1,4 m <sup>3</sup>  |
| SLUDGE      | 1,1 m <sup>3</sup>  |

## ACCOMMODATION

|               |   |
|---------------|---|
| Crew Capacity | 5 (MLC Compliant)<br>Up to 8 (Optional)               |
| HVAC          | Split type A/C units for accommodation and wheelhouse |
| ARRANGEMENT   | 3 x single crew cabin<br>1 x double crew cabin        |

## PROPULSION SYSTEM

|                      |   |
|----------------------|---|
| TOTAL POWER (35 TBP) | 2900 BHP high speed diesel marine engines |
| TOTAL POWER (50 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 E SYSTEM            | 1 x M/E driven 1200 m <sup>3</sup> /h FiFi pump<br>1 x water monitor, remote operated   |

## DECK EQUIPMENT

|                   |   |
|-------------------|---|
| FORE TOWING WINCH | Electric frequency controlled single drum towing winch (can be used as aft towing winch with tunnel under the wheelhouse) |
| AFT TOWING HOOK   | SWL 70 tons, quick release type   |
| CAPSTAN           | SWL 5 tons, electric driven   |
| FENDERS           | Rubber, Cylinder, W and D type fendering  |

## 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, Plotter, GPS Compass, Magnetic Compass, GPS Receiver, AIS, Weather Station, VHF Radiotelephone, Navtex Receiver, BNWAS System, Talkback System, Batteryless Telephone System, AIS-SART, GMDSS VHF, MF/HF Radiotelephone, Mini-C SSA System, Fish Finder with Transducer.