



SEA THE FUTURE



18m 30/35 TBP  
ASD Tugboat



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# Rascal 1800-Z



## DESIGN / BASIC FUNCTIONS

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

## CLASSIFICATION

BV; I ✕ HULL • (✕) MACH, AUT-UMS, TUG, UNRESTRICTED NAVIGATION, FIREFIGHTING SHIP E, INWATERSURVEY

## DIMENSIONS

LENGTH O.A.	18,00 m
BEAM	9,60 m
DEPTH	3,30 m
DRAFT <sub>navigational</sub>	3,50 m
GROSS TONNAGE	< 150

## PERFORMANCES

BOLLARD PULL RANGE	30 - 35 TBP
SPEED <sub>approximate</sub>	10 knots

## TANK CAPACITIES

FUEL OIL	24,4 m <sup>3</sup>
POTABLE WATER	4,2 m <sup>3</sup>
SEWAGE	4,4 m <sup>3</sup>
OILY WATER	2,3 m <sup>3</sup>
FOAM	1,3 m <sup>3</sup>
SLUDGE	1,0 m <sup>3</sup>

## ACCOMMODATION

Crew Capacity	4
HVAC	Split type A/C units for accommodation and wheelhouse
ARRANGEMENT	2 x double crew cabin

## PROPULSION SYSTEM

TOTAL POWER (30 TBP)	2600 BHP high speed diesel marine engines
TOTAL POWER (35 TBP)	2900 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	Direct sea suction from sea chests
AIR-CONDITIONING	Split type A/C units for accommodation and wheelhouse
FIFI E SYSTEM	1 x M/E driven 1200 m <sup>3</sup> /h FiFi pump 1 x water monitor, remote operated

## DECK EQUIPMENT

FORE TOWING WINCH	Electric frequency controlled single drum towing winch
AFT TOWING HOOK	SWL 45 tons, quick release type
CAPSTAN	SWL 5 tons, electric driven
FENDERS	Rubber, Cylinder, W and D type fendering

## 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, 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.