

**MED-A1835**  
 RAscal 1800-2



## GENERAL

DESIGN	Robert Allan Ltd. RAscal 1800
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA C ✕HULL, ✕MACH, TUG FIREFIGHTING SHIP E, WITH WATER SPRAY UNRESTRICTED NAVIGATION, ✕AUT-UMS INWATERSURVEY

## DIMENSIONS

LENGTH O.A.	18.00 m
BEAM	9.60 m
DEPTH	3.30 m
DRAFT <sub>BASELINE</sub>	2.30 m
DRAFT <sub>EXTREME</sub>	3.50 m
GROSS TONNAGE	< 200

## TANK CAPACITIES

FUEL OIL	24,40 m <sup>3</sup>
FRESH WATER	4,20 m <sup>3</sup>
SEWAGE	4,40 m <sup>3</sup>
OILY WATER	2,30 m <sup>3</sup>
LUBRICATION OIL	0,60 m <sup>3</sup>
FOAM	1,30 m <sup>3</sup>

## PERFORMANCES

BOLLARD PULL	30 / 35 tons
SPEED	12 knots (approx.)

## PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C32
TOTAL POWER	2 x 895 / 970 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 260 FP
PROPELLERS	1750 / 1800 mm diameters
SHAFTING	Steel/Carbon Shaft

## DECK EQUIPMENT

FORE TOWING WINCH	THR MARINE (SEC) EFTW200kN electric frequency controlled towing winch one towing drum. Force and speed ranges : 200 kN at 0-9 m/min 65 kN at 0-27 m/min
TOWING HOOK	DATA quick release disc type towing hook Type: DTH 45-90
CAPSTAN	THR MARINE (SEC) electric capstan SWL 30kN
RESCUE BOAT CRANE	Manual Operated Crane SWL: 0.5 tonnes
RESCUE BOAT	REDSEAS-A-380 foldable rescue boat
ANCHORS & CHAIN	1 x 180 kg (HHP) short link chain 19mm Gr2
ANCHOR CAPSTAN	THR MARINE (SEC) electric anchor capstan,
FENDERS	Rubber, cylinder and W type bow fender, D type around the hull

## AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 86ekW @ 1500 rpm 50hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Plate cooler type
AIR-CONDITIONING	HEINEN HOPMAN: Secondary AC unit in wheelhouse Cold climate package Hot climate package
FIFIE SYSTEM	1 x M/E driven fi-fi pump Capacity: 1314 m <sup>3</sup> /hour 1 x Monitor : Foam/water monitor with remote operated, electric controls

## NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	JRC: JMR-541006XA BB
GPS	JRC: JLR-7500
AIS CLASS A	JHS-183
AIS CLASS B	I-MARINE
GPS COMPASS	JRC: JLR-21
MAGNETIC COMPASS	REFLECTA 3
NAVTEX	JRC: NCR 333
EPIRB	JOTRON 83310
SART	JOTRON 85037
AUTOPILOT	NAVITRON NT-888G
BNWAS	NAVITRON NT991
INTERCOM	PHONTECH: CIS-3100
VHF	ICOM: IC M323
INMARSAT-C & LRIT&SSAS	JRC: JUE-87
ECHO SOUNDER	JRC: 7050

## ACCOMMODATION

Accommodation for 4 people, high-quality and great comfort.

Accommodation is climate-controlled and includes two double crew cabins.