

**MED-C1835**

RASCAL 1800-TS



## DECK EQUIPMENT

### FORE TOWING WINCH

THR MARINE (SEC) 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

Brake holding force in 1st layer : 750 / 875 kN  
DATA Quick Release Disc Type Towing Hook  
Type: DTH 45-90

### CAPSTAN

THR MARINE (SEC) electric capstan

### ANCHORS & CHAIN

1 x 180 kg (HHP) Short link chain 19mm Gr2

### ANCHOR CAPSTAN

1 x THR MARINE (SEC) electric anchor capstan  
Rubber, cylinder and W type bow fender, D type at sides and aft

### FENDERS

## AUXILIARY EQUIPMENT

### GENERATOR SET

2 x CATERPILLAR C4.4 86kW @ 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

### FIRE SYSTEM

1 x M/E driven pump Capacity: 1314 m³/hour  
1 x Monitor : Foam/water monitor with remote operated, electric controls

## NAUTICAL AND COMMUNICATION EQUIPMENT

### GMDSS A2 AREA

2 x 230 V, 2000 W (Remote Controlled)

### SEARCHLIGHT

JRC: JMR-541006XA BB

### RADAR

JRC: JLR-7500

### GPS

JHS-183

### AIS CLASS A

I-MARINE

### AIS CLASS B

JRC: JLR-21

### GPS COMPASS

REFLECTA 3

### MAGNETIC COMPASS

JRC: NCR 333

### NAVTEX

JOTRON 83310

### EPIRB

JOTRON 85037

### SART

NAVITRON NT-888G

### AUTOPILOT

NAVITRON NT991

### BNWAS

PHONTECH: CIS-3100

### INTERCOM

ICOM: IC M323

### VHF

JRC:JUE-87

### INMARSAT-C & LRIT&SSAS

JRC: 7050

### ECHO SOUNDER

## Optional equipment

### AFT TOWING WINCH

THR MARINE (SEC) electric frequency controlled towing winch with one towing drum.  
Force and speed ranges : 200 kN at 0-9 m/min  
65 kN at 0-27 m/min  
Brake holding force in 1st layer : 750 / 875 kN

## 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 BASELINE	2.30 m
DRAFT EXTREME	3.50 m
GROSS TONNAGE	< 200

## TANK CAPACITIES

FUEL OIL	24,40 m³
FRESH WATER	4,20 m³
SEWAGE	4,40 m³
OILY WATER	2,30 m³
LUBRICATION OIL	0,60 m³
FOAM	1,30 m³

## 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
PROPELLER	TEINBRIDGE 1780 / 1800 mm DIA
GEARBOX	ZF 5355
REDUCTION RATIO	5.500:1
SHAFTING	Steel/Carbon Shaft

## ACCOMMODATION

Accommodation for 4 people, high-quality and great comfort.  
Accommodation is climate-controlled and includes two double crew cabins.