

## MED-A2150

RAscal 2100



ROBERT ALLAN LTD.  
 MARINE EQUIPMENT AND SHIP DESIGN



## DECK EQUIPMENT

### FORE TOWING WINCH

THR MARINE (SEC) EFTW 200kN electric frequency controlled towing winch one towing drum.

Force and speed ranges : 250 kN at 0-9 m/min  
 80 kN at 0-27 m/min

Brake holding force in 1st layer : 1000 / 1250 kN

DATA quick release disc type towing hook

Type: DTH 45-90 / DTH 70-130

### TOWING HOOK

### CAPSTAN

THR MARINE (SEC) electric capstan SWL 30kN

### ANCHORS & CHAIN

1 x 225 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 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

## NAUTICAL AND COMMUNICATION EQUIPMENT

### SEARCHLIGHT

2 x 230 V - 2000 W (Remote Controlled)

### RADAR SYSTEM

Furuno FAR 2117

### MAGNETIC COMPASS

Cassens & Plath Kotter

### AUTOPILOT

Simrad AP-50

### GPS

Furuno GP-150

### ECHOSOUNDER

Furuno LS-6100

### VHF

2x Sailor Compact 6222 (one with DSC)

### VHF hand-held

2x Jotron TR-20, GMDSS approved

### SSB

Furuno FS-1575

### NAVTEX

Furuno NX-700

### AIS

Furuno FA-150

### EPIRB

Jotron Tron-40S

### SART

Jotron Tron Sart

## OPTIONAL

### FIFE 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

### RESCUE BOAT CRANE

Manual Operated Crane SWL: 0.5 tonnes

### RESCUE BOAT

REDSEAS-A-380 foldable rescue boat

### MACHINERY COOLING SYSTEM\*

Box cooler

## GENERAL

DESIGN	Robert Allan Ltd. RAscal 2100
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA
	C ✕HULL, ✕MACH, TUG
	UNRESTRICTED NAVIGATION, ✕ AUT-UMS
	INWATERSURVEY
OPTIONAL	FIREFIGHTING SHIP E, WITH WATER SPRAY

## DIMENSIONS

LENGTH O.A.	21.40 m
BEAM	10.60 m
DEPTH	4.10 m
DRAFT <sub>BASELINE</sub>	2.80 m
DRAFT <sub>EXTREME</sub>	4.30 m
GROSS TONNAGE	< 300

## TANK CAPACITIES

FUEL OIL	40,00 m <sup>3</sup>
FRESH WATER	10,00 m <sup>3</sup>

## PERFORMANCES

BOLLARD PULL	40 / 50 tons
SPEED	12 knots (approx.)

## PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3512C
TOTAL POWER	2 x 1230/1500 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 340/360 FP
PROPELLERS	2100 / 2200 mm diameters
SHAFTING	Carbon Shaft

## ACCOMMODATION

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

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



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NAVAL ARCHITECTS AND MARINE ENGINEERS