



GENERAL

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

DIMENSIONS

LENGTH O.A.	21.40 m
BEAM	11.30 m
DEPTH	5.10 m
DRAFT ^{EXTREME}	4.00 m
GROSS TONNAGE	< 300

TANK CAPACITIES

FUEL OIL	47,20 m ³
FRESH WATER	10,80 m ³

PERFORMANCES

BOLLARD PULL	35 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C32
TOTAL POWER	2 x 1080kW @ 2000 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	STEERPROP SP 175T
PROPELLERS	1800 mm diameters
SHAFTING	Carbon Shaft

ACCOMMODATION

Accommodation for 5 people (Opt. 8 people but max. 5 people for MLC compliance), high-quality and great comfort.

DECK EQUIPMENT

FORE TOWING WINCH	200 kN electric frequency controlled towing winch one towing drum Force and speed ranges : 200 kN at 0-10 m/min 70 kN at 0-27 m/min Brake holding force in 1st layer : 1000
TOWING HOOK	DATA quick release disc type towing hook Type: DTH 45-90P, SWL: 45 tons
CAPSTAN	Electric capstan SWL 30kN
ANCHORS & CHAIN	1 x 180 kg (HHP) short link chain 19mm Gr3
ANCHOR CAPSTAN	Electric anchor capstan, max. 3000 kg
FENDERS	Rubber, cylinder and W type bow fender, D type around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	2 x JOHN DEERE 6068TFM50, 80 ekW
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
FIFI E SYSTEM	1 x M/E driven fi-fi pump Capacity; 600 m ³ /hour 1 x Monitor : Foam/water monitor with remote operated, electric controls

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

RESCUE BOAT CRANE	Manual Operated Crane SWL: 0.5 tonnes
RESCUE BOAT	REDSEA RS-A-380 foldable rescue boat