



### GENERAL

DESIGN	Robert Allan Ltd. RAmports 2300 MM
BASIC FUNCTIONS	Towing, pushing, mooring, firefighting
CLASSIFICATION	RINA C TUG, AUT-UMS, FIREFIGHTING SHIP E WITH WATER SPRAY UNRESTRICTED NAVIGATION MLC DESIGN, IN WATER SURVEY
OPTIONAL	FIREFIGHTING SHIP 1 WITH WATER SPRAY

### DIMENSIONS

LENGTH O.A.	23,00 m
BEAM	10,90 m
DEPTH	4,40 m
DRAFT EXTREME	5,05 m
GROSS TONNAGE	290

### TANK CAPACITIES

FUEL OIL	61,9 m <sup>3</sup>
FRESH WATER BALLAST	21,8 m <sup>3</sup>

### PERFORMANCES

BOLLARD PULL	60 tons
SPEED	13 knots (approx.)

### PROPULSION SYSTEM (80 TBP)

MAIN ENGINES	CATERPILLAR 3512C
TOTAL POWER	2 x 1765 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	KONGSBERG US 2055 P20 FP
PROPELLERS	2400 mm diameters
SHAFTING	Carbon Fiber Shaft

### ACCOMMODATION

Accommodation for 7 people, MLC-compliant, high-quality and great comfort. Accommodation is climate-controlled and includes a captain's cabin an officer cabin and two double crew cabins.

### DECK EQUIPMENT

FORE TOWING WINCH	THR MARINE electrically driven towing winch with split drum combined with one warping head. Force and speed ranges 300 kN at 0-9 m/min 100 kN at 0-27 m/min Brake holding force in 1st layer : 1500 kN
TOWING HOOK	DATA HIDROLIK quick release disc type Type: DTH 70-130
CAPSTAN	DATA HIDROLIK 5 MT Electrically driven capstan
DECK CRANE	TOIMIL MARINE TI2505M/3 SWL 1,03 tons @10,1 m
ANCHORS & CHAIN	1 x 240 kg (HHP) short link chain 19 mm Gr 3
FENDERS	Rubber, cylinder and W type bow fender, D type at sides and W type aft fender

### AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 86 ekW @ 1500 rpm
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Box cooler type
AIR-CONDITIONING	HEINEN HOPMAN: Secondary AC unit in wheelhouse Cold climate package & Hot climate package
FIFI E SYSTEM	1 x fi-fi pump Capacity: 1400 m <sup>3</sup> /hour 1 x Monitor: 1200 m <sup>3</sup> /hour Foam/water monitor with remote operated, electric controls

### NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W
RADAR	FURUNO FAR-1518-BB
GPS	FURUNO GP-170
AIS CLASS-A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA 3
NAVTEX	FURUNO NX-700B
EPIRB / SART	JOTRON TRON 60S / JOTRON TRON SART 20
AUTOPILOT	SIMRAD AP70 Mk2
BNWAS	FURUNO BR-500
VHF	FURUNO FM-8900S
ECHO SOUNDER / SPEED LOG	FURUNO FE-800 / DS-80