



DECK EQUIPMENT

FORE TOWING WINCH

THR MARINE (SEC) electric driven anchor combined escort towing winch with two chain wheels, two towing drums and two warping heads
Force and speed ranges : 700 kN at 0-5 m/min
200 kN at 0-15 m/min

AFT TOWING WINCH

THR MARINE (SEC) electric frequency controlled towing winch with one towing drum and a warping head.
Force and speed ranges : 700 kN at 0-5 m/min
200 kN at 0-15 m/min

TOWING HOOK

Brake holding force in 1st layer : 1750 kN
Mampaey quick release disc type towing hook
Type: DCX 70/100

TOWING PIN

DATA DTP 12 SH

ANCHORS & CHAIN

1 x 495 kg (HHP) short link chain 22mm Gr 3

FENDERS

Rubber, cylinder and W type bow fender, D type at sides and W type aft fender

DECK CRANE

Toimil T-10500M SWL10t.m reach 8 m or equal

RESCUE BOAT & CRANE

PALFINGER RSQ 450 G / SWL: 12kN@3.5m

AUXILIARY EQUIPMENT

GENERATOR SET

2 x CATERPILLAR C9 175kW@1500rpm 50hz

HARBOUR GEN SET

1 x CATERPILLAR C4.4 69kW@1500rpm

FRESH WATER SYSTEM

Hydrophore and UV filter combined heater

MACHINERY COOLING SYSTEM

SPERRE Plate cooler type

AIR-CONDITIONING

HEINEN HOPMAN:
Secondary AC unit in wheelhouse
Hot & Cold climate package

FIFI 1 SYSTEM

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

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA

2 x 230 V, 1000 W

SEARCHLIGHT

JRC JMA-5212-6

RADAR

JRC JLR 7500

GPS NAVIGATOR

JRC JHS-183

AIS CLASS-A

I-MARINE

AIS CLASS-B

JRC: JLR 21

GPS COMPASS

REFLECTA/1

MAGNETIC COMPASS

JRC NCR-333

NAVTEX

JOTRON TRON 60S / 85037

EPIRB / SART

NAVITRON NT-921 MKII

AUTOPILOT

NAVITRON: NT991

BNWAS

PHONTECH: CIS-3100

INTERCOM

JRC: JHHS-770S

VHF

JRC: JUE-87

INMARSAT-C & SSAS

JRC: JFE-380-22

ECHO SOUNDER

JRC: JLN-205 MK2

SPEED LOG

GENERAL

DESIGN	Robert Allan Ltd. RAmports 3200
BASIC FUNCTIONS	Escorting, towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA C ✕ HULL, ✕ MACH. ESCORT TUG, FIREFIGHTING SHIP 1, WITH WATER SPRAY UNRESTRICTED NAVIGATION ✕ AUT-UMS, MLC DESIGN, INWATERSURVEY
OPTIONAL	OIL RECOVERY SHIP-FLASH POINT > 60°C SALVAGE TUG, GREENSTAR3

DIMENSIONS

LENGTH O.A.	32.00 m
BEAM	11.60 m
DEPTH	5.36 m
DRAFT _{BASELINE}	4.19 m
DRAFT _{EXTREME}	5.54 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	155.70 m ³
FRESH WATER	40.80 m ³
SEWAGE WATER	3.80 m ³
OILY WATER	4.00 m ³
LUBRICATION OIL	3.30 m ³
FOAM	15.80 m ³

PERFORMANCES

BOLLARD PULL	70 tons
SPEED	12 knots

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3516C
TOTAL POWER	2 x 2100 kW @ 1600 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 1515 CP
PROPELLERS	2600 mm diameters
SHAFTING	Carbon Fiber Shaft

ACCOMMODATION

Accommodation for 8/10 people, MLC-compliant high-quality and great comfort. Accommodation is climate-controlled and includes a captain's cabin, an officer cabin, and three / four double crew cabins.