



GENERAL

DESIGN	Robert Allan Ltd. RAStar 4200
BASIC FUNCTIONS	Salvage, harbour operations, ship-handling, towing, pushing, mooring, fire-fighting
CLASSIFICATION	BV C ⚡, SALVAGE TUG, UNRESTRICTED NAVIGATION, FIREFIGHTING SHIP 1; WATER SPRAYING, INWATERSURVEY, ⚡AUT-UMS

DIMENSIONS

LENGTH O.A.	42,00 m
BEAM	16,00 m
DEPTH	6,40 m
DRAFT EXTREME	7,20 m
GROSS TONNAGE	> 500

TANK CAPACITIES

FUEL OIL	509,0 m ³
FRESH WATER BALLAST	96,4 m ³

PERFORMANCES

BOLLARD PULL	120 tons
SPEED	13,5 knots

PROPULSION SYSTEM (120 TBP)

MAIN ENGINES	CATERPILLAR C280-12
TOTAL POWER	2 x 3700 kW @ 1000 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 710 FP
PROPELLERS	3400 mm diameters
SHAFTING	Composite Shaft

ACCOMMODATION

Accommodation for 18 people, high-quality and great comfort. Accommodation is climate-controlled and includes 2 master's cabins, 2 chief's cabins and 7 crew cabins.

DECK EQUIPMENT

FORE TOWING WINCH

MacGregor Hydraulic Anchor Windlass/ Towing Winch

Model: MG-HAT/GDG-30-1230U02272x2

CL - CL Distance : 4,082 mm (TBC)

Gypsy Rated Pull : 3.9 T x 0~10.0 m/min

Gypsy Overload : 5.8 T

Gypsy Brake Holding : 23.6 T (static)

Brake : Manual operated band brake

Drum Brake holding : 230.0T (Static, Mid Layer)
: 150.0T (Static, Top Layer)

Clutch : Hydraulic operated jaw clutch

Brake : Spring loaded, hydraulic release band brake

Power Required : 225 kW (approx.)

Control : Local & remote control

AFT TOWING WINCH

MacGregor Hydraulic Towing Winch

(Model: MG-HTWW-1232D10064)

Drum Capacity : 1000m x 64mm dia. (SWR)

Stall Pull (1st layer) : 120.0 T

Drum Pull (1st layer) : 50.0 T x 0~15.0 m/min

: 20.0 T x 0~32.0 m/min

Brake Holding Load : 230.0 T (Static, Mid layer)

: 150.0 T (Static, Top layer)

Clutch : Hydraulic operated jaw clutch

Brake : Spring loaded, hydraulic released band brake

Power required : 225 kW (Approx.)

Control : Local & remote control

TOWING HOOK

DATA - DTH 150-200H Hydraulic Towing Hook

CAPSTAN

MacGregor Electric Vertical Capstan

(Model: MG-EVC-0845)

TOW PIN

DATA DTP 10 H

DECK CRANE

MARSIS PK41002(M)C

RESCUE BOAT CRANE

GURDESAN GD.RRS-64.A

RESCUE BOAT

SURVITEC DSB SR 5.1

ANCHORS & CHAIN

1 x 855 kg (HHP) short link chain 30 mm Gr 2

FENDERS

Cylindrical, W type Fender, Hollow DD type fender (horizontal & longitudinal & diagonal)

AUXILIARY EQUIPMENT

GENERATOR SET	3 x CAT C9.3 200 ekW@1500 rpm IMO Tier II
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 1 SYSTEM	2 x 1350 m ³ /hour fi-fi pumps Monitor: 2 x 1200 m ³ /h water / 300 m ³ /h foam

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 1000 W
RADAR	FURUNO FAR-3210
GPS	FURUNO GP-170
AIS CLASS-A	FURUNO FA-170
GPS COMPASS	TOKYO-KEIKI TG-8000
MAGNETIC COMPASS	SH-165A2-1
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 JOTRON TRON TR30
INMARSAT-C & SSAS	FELCOM-18 / SSAS
ECHO SOUNDER	FURUNO FE-800
SPEED LOG	DS-80