

SEA
THE
FUTURE...





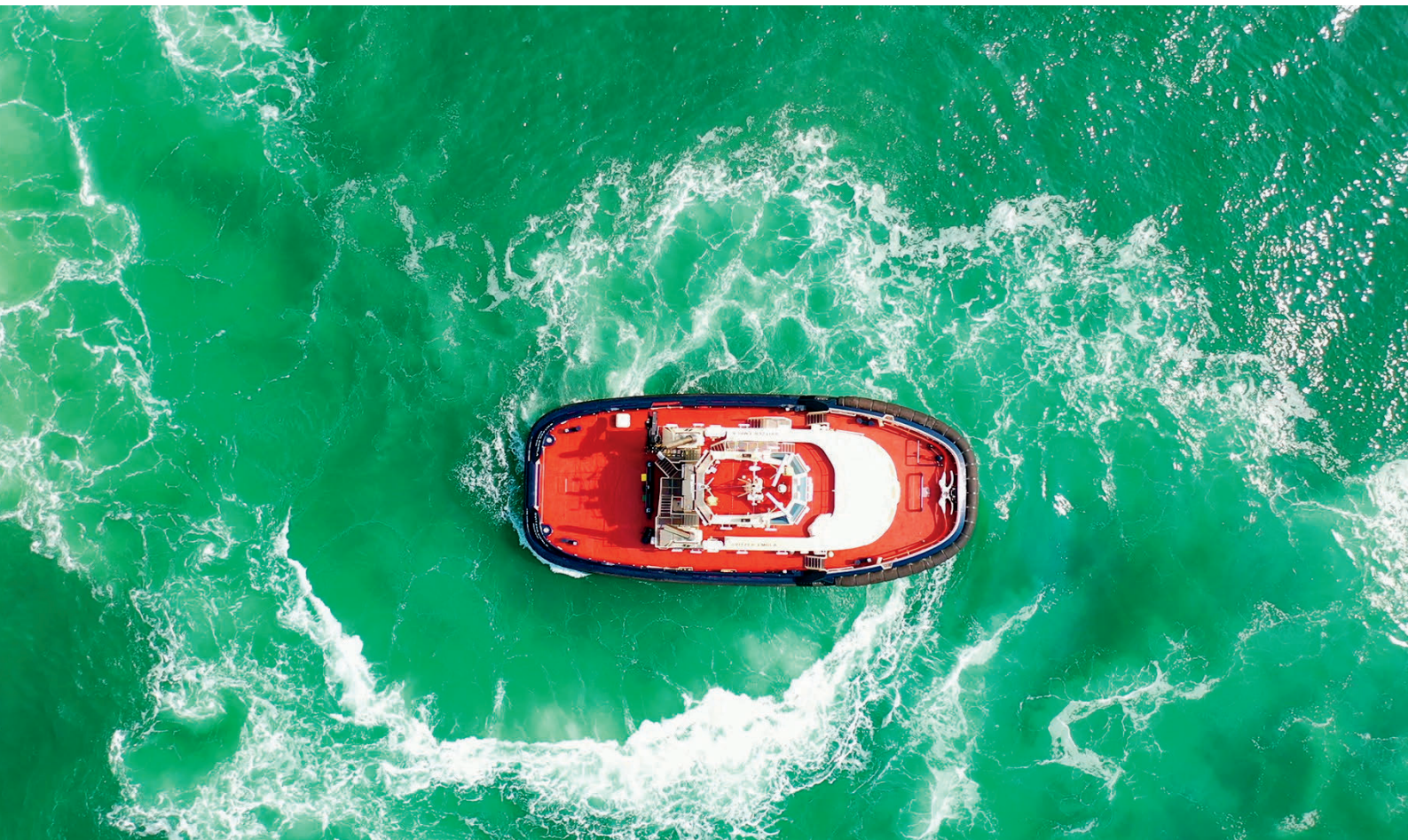
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Med Marine was incorporated in Istanbul, Turkey in 1995 as a specialized marine company in the field of towage, pilotage, emergency response, salvage and wreck removal, pollution prevention, fire fighting, ship building and civil works.

Med Marine owns Eregli Shipyard since 2004, one of the largest shipyards in Turkey, for building state-of-the-art technology tugboats, pilot boats, mooring boats, crew transfer vessels, buoy handling vessels, work boats, ferries, dredgers, fishing vessels and Stainless Steel (STST) IMO II type chemical/oil tankers either for its main operations, or global clients.





Med Marine successfully completed the constructions and deliveries of more than 170 projects.

Combining excellence and years of experience, Med Marine maintains the highest global standards in its businesses in order to meet clients' needs.

Eregli Shipyard is owned and constructed by Med Marine in Eregli, Black Sea. It is one of the biggest shipyard in Turkey.

Employed by Med Marine Group, Eregli Shipyard has completed numerous projects since 2004 both for Med Marine's own fleet and for global clients.



Up until now, various chemical tankers have been constructed in different sizes, ranging from 5.300 DWT to 25.000 DWT in Eregli Shipyard. Many tugboat projects, including both conventional and ASD type tugboats ranging from 8 TBP to 120+ TBP have been built and delivered.

The steel processing capacity is 35,000 tones per year. The shipyard is self-sufficient in many ways from having its shop blasting and priming facilities to all the way to finishing processes.

Med Marine offers both standard products and tailor made vessels to international clients.



ISO 9001

BUREAU VERITAS
Certification



ISO 14001

BUREAU VERITAS
Certification



BUREAU
VERITAS

OHSAS 18001

BUREAU VERITAS
Certification



10 MOORING BOATS



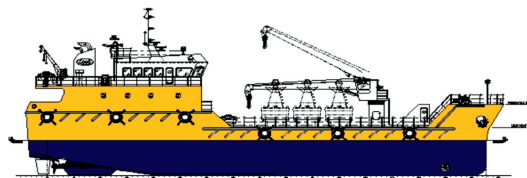
18 PILOT BOATS



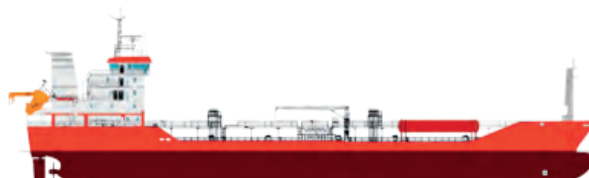
22 TUG BOATS



66 BUOY VESSEL



68 CHEMICAL TANKERS



To achieve superior vessels, we;

- effectively collaborate with our experienced crew,
- earn from their challenges,
- tailor our vessels to meet their needs.

Based on our tried and tested vessels, we build;

- reliable,
- sustainable,
- superior in quality vessels perfectly fitted our customer's needs.



MED-M1002 10M – 2 TBP



MOORING BOAT

MED-M1002



GENERAL

DESIGN	Tomay Design
BASIC FUNCTIONS	Mooring
HULL	Steel
SUPERSTRUCTURE	Aluminium
CLASSIFICATION	RINA
	C X HULL, • MACH
	COASTAL NAVIGATION, MOORING BOAT

DIMENSIONS

LENGTH O.A. INC. FENDERS	10,95 m
LENGTH O.A.	10,68 m
BEAM INC. FENDERS	3,83 m
BEAM	3,57 m
DEPTH	2,10 m
DRAFT EXTREME	1,73 m

TANK CAPACITIES

FUEL OIL	5,62 m ³
FRESH WATER	1,12 m ³
SEWAGE	2,46 m ³

PERFORMANCES

BOLLARD PULL	2 tons
SPEED	8+ knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	VOLVO PENTA D7C TA
TOTAL POWER	195 kW @ 2300 rpm
PROPELLER	TEINBRIDGE, 800 mm DIA, Cu3
GEARBOX	ZF 286
REDUCTION RATIO	2.917:1

DECK EQUIPMENT

TOWING HOOK	DATA HIDROLIK SWL:2 tons
FENDERS	D type fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	8ekW @ 3000 rpm 50hz
FRESH WATER SYSTEM	Electrical hydrophore
MACHINERY COOLING SYSTEM	Plate Cooler Type
AIR-CONDITIONING	Split Air-conditioner

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A1 AREA	
GPS /WAAS CHART PLOTTER	FURUNO GP-1870F
AIS CLASS B	I-MARINE
COMPASS	RITCHIE ANGLER RA-91
INTERCOM	FURUNO LH-5000
VHF	ICOM IC-M323

MED-M1410 14M – 10 TBP



MOORING BOAT



MED-M1410

 TOMAY



GENERAL

DESIGN	Tomay Design
BASIC FUNCTIONS	Mooring, line handling
HULL	Steel
SUPERSTRUCTURE	Aluminium
CLASSIFICATION	RINA
	C HULL • MACH
	COASTAL NAVIGATION, MOORING BOAT

DIMENSIONS

LENGTH O.A.	13.90 m
BEAM	5.36 m
DEPTH	2.95 m
DRAFT EXTREME	2.00 m

TANK CAPACITIES

FUEL OIL	5.62 m ³
FRESH WATER	1.12 m ³
SEWAGE	2.46 m ³

PERFORMANCES

BOLLARD PULL	10 tons
SPEED	10 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	VOLVO PENTA D13 MH
TOTAL POWER	2 x 368 kW @ 1800 rpm
PROPELLER	TEINBRIDGE, 900 mm DIA, Cu3
GEARBOX	ZF W350
REDUCTION RATIO	3026:1

DECK EQUIPMENT

TOWING HOOK	DATA HIDROLIK SWL:10tonnes
ANCHORS & CHAIN	2 x 83 kg Short link chain 12.5mm Gr 2
ANCHOR CAPSTAN	One (1) piece DATA electric anchor capstan
FENDERS	D type fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	8ekW @ 3000 rpm 50hz
FRESH WATER SYSTEM	Electrical hydrophore
MACHINERY COOLING SYSTEM	Plate Cooler Type
AIR-CONDITIONING	Split Air-conditioner

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A1 AREA	
GPS /WAAS CHART PLOTTER	FURUNO GP-1871F
AIS CLASS B	FURUNO FA-50
COMPASS	RITCHIE ANGLER RA-91
INTERCOM	FURUNO LH-5000
VHF	ICOM IC-M323

MED-M1515 15M – 15 TBP



MOORING BOAT



MED-M1515

TOMAY



GENERAL

DESIGN	Tomay Design
BASIC FUNCTIONS	Mooring, line handling
HULL	Steel
SUPERSTRUCTURE	Steel
CLASSIFICATION	RINA
	C HULL, • MACH
	COASTAL NAVIGATION, MOORING BOAT

DIMENSIONS

LENGTH O.A.	14,95 m
BEAM	6,35 m
DEPTH	3,30 m
DRAFT EXTREME	2,30 m

TANK CAPACITIES

FUEL OIL	7,3 m ³
FRESH WATER	2,1 m ³
SEWAGE	1,7 m ³

PERFORMANCES

BOLLARD PULL	15 tons
SPEED	10 knots (approx.)

ACCOMODATION

Accommodation for 2 people, high-quality accommodation is climate-controlled. Mess area and convenient pantry are provided.

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C12
TOTAL POWER	2 x 447 kW @1800 rpm
PROPELLER	TEINBRIDGE, 1250 mm DIA, Cu3
GEARBOX	ZF
REDUCTION RATIO	4,1:1

DECK EQUIPMENT

TOWING HOOK	DATA HIDROLIK SWL:15tonnes
ANCHORS & CHAIN	2 x 83 kg Short link chain 12,5mm Gr 2
ANCHOR CAPSTAN	One (1) piece DATA electric anchor capstan
FENDERS	D type fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	8ekW @ 3000 rpm 50hz
FRESH WATER SYSTEM	Electrical hydrophore
MACHINERY COOLING SYSTEM	Plate Cooler Type
AIR-CONDITIONING	Split Air-conditioner

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A1 AREA	
GPS /WAAS CHART PLOTTER	FURUNO GP-1871F
AIS CLASS B	FURUNO FA-50
COMPASS	RITCHIE ANGLER RA-91
INTERCOM	FURUNO LH-5000
VHF	ICOM IC-M323

MED-M1720 17M – 20 TBP



MOORING BOAT



MED-M1720



GENERAL

DESIGN	Tomay Design
BASIC FUNCTIONS	Mooring, line handling
HULL	Steel
SUPERSTRUCTURE	Steel
CLASSIFICATION	RINA
	C ✕ HULL, • MACH
	COASTAL NAVIGATION, MOORING BOAT

DIMENSIONS

LENGTH O.A. INC.FENDERS	17,20 m
LENGTH O.A.	17,15 m
BEAM INC. FENDERS	7,40 m
DEPTH	4,7 m
DRAFT EXTREME	2,25 m

TANK CAPACITIES

FUEL OIL	20 m ³
FRESH WATER	3 m ³

PERFORMANCES

BOLLARD PULL (Ahead)	20 tons
BOLLARD PULL (Astern)	18 tons
SPEED	10 knots (approx.)

ACCOMMODATION

Accommodation for 4 people, high-quality accommodation is climate-controlled. Mess area and convenient pantry are provided.

PROPULSION SYSTEM

MAIN ENGINES	610 Kw @ 1900 rpm
PROPELLER	TEINBRIDGE, 1400 mm DIA, Cu3
GEARBOX	ZF / TWINDISK

DECK EQUIPMENT

TOWING HOOK	DATA HIDROLIK SWL:15tons
ANCHORS & CHAIN	2 x 83 kg Short link chain 12,5mm Gr 2
ANCHOR CAPSTAN	One (1) piece DATA electric anchor capstan
FENDERS	D type fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CAT 1.5 10 kW
FRESH WATER SYSTEM	Electrical hydrophore
MACHINERY COOLING SYSTEM	Plate Cooler Type
AIR-CONDITIONING	Split Air-conditioner for upper and lower deck
FIFI E SYSTEM	1 x M/E driven fi-fi pump Capacity; 1200 m ³ /hour 2 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A1 AREA	
GPS /WAAS CHART PLOTTER	FURUNO GP-1871F
AIS CLASS B	FURUNO FA-50
COMPASS	RITCHIE ANGLER RA-91
INTERCOM	FURUNO LH-5000
VHF	ICOM IC-M323

MED-P14 14M – 25+ KNOTS



PILOT BOAT

MED-P14 . CAMARC DESIGN .



GENERAL

DESIGN	Camarc Design
BASIC FUNCTIONS	Pilot Service
HULL / SUPERSTRUCTURE	Aluminum / Aluminum
OPTIONAL	Steel / Aluminum
CLASSIFICATION	RINA
	C ⚙️ HULL, • MACH
	FAST PILOT BOAT, LIGHTSHIP, SEA AREA 3

DIMENSIONS

LENGTH O.A. INC.FENDERS	15,00 m
LENGTH O.A.	14,20 m
BEAM INC. FENDERS	5,00 m
BEAM	4,20 m
DRAFT EXTREME	1,30 m

TANK CAPACITIES

FUEL OIL	2,33 m ³
FRESH WATER	0,15 m ³

PERFORMANCES

SPEED	27+ knots
COMPLEMENT	2 crew + 6 pilots

PROPULSION SYSTEM

MAIN ENGINES	VOLVO PENTA D13 MH
TOTAL POWER	2x 404 kW @ 1900 rpm
PROPELLER	800 mm DIA, Cu3
GEARBOX	ZF 360 A
REDUCTION RATIO	1.964:1

DECK EQUIPMENT

ANCHORS & CHAIN	1 x 16 kg Short link chain 10mm Gr 3
FENDERS	Elastomer coated foam core cylindrical fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	6ekW @ 1500 rpm 50hz
MACHINERY COOLING SYSTEM	Mounted on engine
AIR-CONDITIONING	Split Air-conditioner

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A1 AREA	
RADAR	JRC: JMA-3334
CHART PLOTTER	PCP 207
AIS CLASS B	I-MARINE
VHF	JRC: JHS-770S
MAGNETIC COMPASS	TYPE 21
ECHO SOUNDER	SAMYUNG: SES-2000

OPTIONAL EQUIPMENT

INTERCEPTOR TRIM TAB SYSTEM

MED-P16 16M – 20+ KNOTS



PILOT BOAT

MED-P16 . CAMARC DESIGN .



GENERAL

DESIGN	Camarc Design
BASIC FUNCTIONS	Pilot Service
HULL / SUPERSTRUCTURE	Steel / Aluminum
OPTIONAL	Aluminum / Aluminum
CLASSIFICATION	RINA
	C HULL, • MACH
	PILOT BOAT, LIGHTSHIP, SEA AREA 3

DIMENSIONS

LENGTH O.A. INC.FENDERS	17,30 m
LENGTH O.A.	16,50 m
BEAM INC. FENDERS	5,40 m
BEAM	4,60 m
DRAFT EXTREME	1,70 m

TANK CAPACITIES

FUEL OIL	3,00 m ³
FRESH WATER	0,15 m ³

PERFORMANCES

SPEED	20+ knots
COMPLEMENT	2 crew + 10 pilots

PROPULSION SYSTEM

MAIN ENGINES	VOLVO PENTA D16
TOTAL POWER	2x 484 kW @ 1800 rpm
PROPELLER	950 mm DIA, Cu3
GEARBOX	ZF 665-A
REDUCTION RATIO	2226:1

DECK EQUIPMENT

ANCHORS & CHAIN	1 x 16 kg Short link chain 10mm Gr 3
FENDERS	Elastomer coated foam core cylindrical fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	6ekW @ 1500 rpm 50hz
MACHINERY COOLING SYSTEM	Mounted on engine
AIR-CONDITIONING	Split Air-conditioner

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A1 AREA	
RADAR	JRC: JMA-3334
CHART PLOTTER	PCP 207
AIS CLASS B	I-MARINE
VHF	JRC: JHS-770S
MAGNETIC COMPASS	TYPE 21
ECHO SOUNDER	SAMYUNG: SES-2000

OPTIONAL EQUIPMENT

INTERCEPTOR TRIM TAB SYSTEM

MED-C1620 16M – 20 TBP



CONVENTIONAL TUGBOAT



MED-C1620



GENERAL

DESIGN	CintraNaval-Defcar
BASIC FUNCTIONS	Towing, pushing, mooring
CLASSIFICATION	RINA
	C ⚙️ HULL, • MACH, TUG
	UNRESTRICTED NAVIGATION, INWATERSURVEY

DIMENSIONS

LENGTH O.A.	16,50 m
BEAM	6,00 m
DEPTH	2,70 m
DRAFT <small>BASLINE</small>	1,80 m
DRAFT <small>EXTREME</small>	2,70 m
GROSS TONNAGE	< 200

TANK CAPACITIES

FUEL OIL	14,15 m³
FRESH WATER	3,20 m³
SEWAGE	0,50 m³
LUBRICATION OIL	0,64 m³

PERFORMANCES

BOLLARD PULL	20 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	VOLVO PENTA D16-750 2 x 551 kW @ 1800 rpm / CATERPILLAR C18 2 x 533 kW @ 2100 rpm
EMISSION STANDARD	IMO Tier II
PROPELLERS	1400 mm diameters, NiBrAl
SHAFTING	Steel/Carbon Shaft

DECK EQUIPMENT

TOWING HOOK	DATA Disc Type Towing Hook Type : DTH 30-60
CAPSTAN	DATA Capstan SWL:5t
ANCHORS & CHAIN	1 x 150 kg (HHP) Short link chain 14mm Gr 2
ANCHOR CAPSTAN	One (1) piece DATA HIDROLIK hydraulic windlass
FENDERS	Rubber, cylinder and W type bow fender, D type at sides and aft

AUXILIARY EQUIPMENT

GENERATOR SET	2 x VOLVO PENTA 62ekW @ 1500 rpm 50hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Plate cooler type
AIR-CONDITIONING	Secondary AC unit in wheelhouse Cold climate package Hot climate package

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	JRC: JMR-541006XA BB
GPS	JRC: JLR-7500
AIS CLASS A	JHS-183
AIS CLASS B	I-MARINE
GPS COMPASS	JRC: JLR-21
MAGNETIC COMPASS	REFLECTA 3
NAVTEX	JRC: NCR 333
EPIRB	JOTRON 83310
SART	JOTRON 85037
AUTOPILOT	NAVITRON NT-888G
BNWAS	NAVITRON NT991
INTERCOM	PHONTECH: CIS-3100
VHF	ICOM: IC M323
INMARSAT-C & LRIT&SSAS	JRC:JUE-87
ECHO SOUNDER	JRC: 7050

ACCOMMODATION

Accommodation for 4 people, high-quality and great comfort. Accommodation is climate-controlled and includes two double crew cabins.

OPTIONAL EQUIPMENT

AFT WINCH	Single drum hydraulic towing winch
DECK CRANE	250kg @ 5m

MED-C1835 **18M – 30/35 TBP**



CONVENTIONAL TUGBOAT



MED-C1835



GENERAL

DESIGN	Robert Allan Ltd. RAScal 1800
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA C ✕ HULL, ✕ MACH, TUG
FIREFIGHTING	SHIP E, WITH WATER SPRAY
UNRESTRICTED NAVIGATION, ✕ AUT-UMS	INWATERSURVEY

DIMENSIONS

LENGTH O.A.	18.00 m
BEAM	9.60 m
DEPTH	3.30 m
DRAFT BASELINE	2.30 m
DRAFT EXTREME	3.50 m
GROSS TONNAGE	< 200

TANK CAPACITIES

FUEL OIL	24,40 m³
FRESH WATER	4,20 m³
SEWAGE	4,40 m³
OILY WATER	2,30 m³
LUBRICATION OIL	0.60 m³
FOAM	1.30 m³

PERFORMANCES

BOLLARD PULL	30 / 35 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C32
TOTAL POWER	2 x 895 / 970 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
PROPELLER	TEINBRIDGE 1780 / 1800 mm DIA
GEARBOX	ZF 5355
REDUCTION RATIO	5,500:1
SHAFTING	Steel/Carbon Shaft

ACCOMMODATION

Accommodation for 4 people, high-quality and great comfort.
Accommodation is climate-controlled and includes two double crew cabins.

DECK EQUIPMENT

FORE TOWING WINCH

Electric frequency controlled towing winch one towing drum.
Force and speed ranges : 200 kN at 0-9 m/min
65 kN at 0-27 m/min

TOWING HOOK

Brake holding force in 1st layer : 750 / 875 kN
DATA Quick Release Disc Type Towing Hook
Type: DTH 45-90

CAPSTAN

Electric capstan

ANCHORS & CHAIN

1 x 180 kg (HHP) Short link chain 19mm Gr2

ANCHOR CAPSTAN

Electric anchor capstan

FENDERS

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

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 86ekW @ 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
FIFI E SYSTEM	1 x M/E driven pump Capacity; 1314 m³/hour 1 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	JRC: JMR-541006XA BB
GPS	JRC: JLR-7500
AIS CLASS A	JHS-183
AIS CLASS B	I-MARINE
GPS COMPASS	JRC: JLR-21
MAGNETIC COMPASS	REFLECTA 3
NAVTEX	JRC: NCR 333
EPIRB	JOTRON 83310
SART	JOTRON 85037
AUTOPILOT	NAVITRON NT-888G
BNWAS	NAVITRON NT991
INTERCOM	PHONTECH: CIS-3100
VHF	ICOM: IC M323
INMARSAT-C & LRIT&SSAS	JRC:JUE-87
ECHO SOUNDER	JRC: 7050

Optional equipment

AFT TOWING WINCH

Electric frequency controlled towing winch with one towing drum.
Force and speed ranges : 200 kN at 0-9 m/min
65 kN at 0-27 m/min
Brake holding force in 1st layer : 750 / 875 kN

MED-C2150 21M – 40/50 TBP



CONVENTIONAL TUGBOAT



MED-C2150



GENERAL

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

DIMENSIONS

LENGTH O.A.	21,40 m
BEAM	11,30 m
DEPTH	5,10 m
DRAFT (40 TBP)	3,92 m
DRAFT (50 TBP)	4,00 m
GROSS TONNAGE	< 300

TANK CAPACITIES

FUEL OIL	47,00 m ³
FRESH WATER	10,80 m ³

PERFORMANCES

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

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C35C12
TOTAL POWER	2 x 1230 kW @ 1800 rpm/2 x 1500 kW @ 1600 rpm
EMISSION STANDARD	IMO Tier II
PROPELLER	TEINBRIDGE 2100/2200 mm DIA
GEARBOX	ZF 5355
REDUCTION RATIO	5,500:1
SHAFTING	Steel/Carbon Shaft

ACCOMMODATION

Accommodation for 5 people, high-quality and great comfort. Accommodation is climate-controlled and includes one double crew and three single cabins.

DECK EQUIPMENT

FORE TOWING WINCH	Electric frequency controlled towing winch one towing drum. Force / speed ranges : 200 kN at 0-9m/min 65 kN at 0-27m/min
TOWING HOOK	Brake holding force in 1 st layer : 750 kN Quick Release Disc Type Towing Hook DATA Type: DTH 45-90
CAPSTAN	Electric capstan
ANCHORS & CHAIN	1 x 180 kg (HHP) Short link chain 19mm Gr2
ANCHOR CAPSTAN	1 x Electric anchor capstan
FENDERS	Rubber, cylinder and W type bow fender, D type at sides and aft

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 86ekW @ 1500 rpm
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, 1314 m ³ /hour 1 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	JRC: JMR-541006XA BB
GPS	JRC: JLR-7500
AIS CLASS A	JHS-183
AIS CLASS B	I-MARINE
GPS COMPASS	JRC: JLR-21
MAGNETIC COMPASS	REFLECTA 3
NAVTEX	JRC: NCR 333
EPIRB	JOTRON 83310
SART	JOTRON 85037
AUTOPILOT	NAVITRON NT-888G
BNWAS	NAVITRON NT991
INTERCOM	PHONTECH: CIS-3100
VHF	ICOM: IC M323
INMARSAT-C & LRIT&SSAS	JRC:JUE-87
ECHO SOUNDER	JRC: 7050

MED-C2240 **22M – 40/45 TBP**



CONVENTIONAL TUGBOAT



MED-C2240



GENERAL

DESIGN	Robert Allan Ltd.
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	BV
	I HULL, MACH, TUG
	FIREFIGHTING SHIP E, WITH WATER SPRAY
	COASTAL AREA, AUT-UMS
	INWATERSURVEY

DIMENSIONS

LENGTH O.A.	22,50 m
BEAM	8,80 m
DEPTH	3,66 m
DRAFT _{BASELINE}	2,94 m
DRAFT _{EXTREME}	4,03 m
GROSS TONNAGE	<200

TANK CAPACITIES

FUEL OIL	63,00 m ³
FRESH WATER	17,20 m ³
SEWAGE	2,20 m ³
OILY WATER	1,30 m ³
LUBRICATION OIL	0,40 m ³
FOAM	5,00 m ³

PERFORMANCES

BOLLARD PULL	40 tons
SPEED	13.5 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	MTU 12V4000M61R 2 x 1140 kW @ 1600 rpm / CATERPILLAR 3512 2 x 1230kW @ 1800 rpm
PROPELLER	TEINBRIDGE 2080mm.off Ni-Al-Br (Cu-3)
GEARBOX	MASSON W7400
REDUCTION RATIO	5259:1
SHAFTING	Steel/Carbon Shaft

DECK EQUIPMENT

AFT TOWING WINCH	DATA hydraulic controlled towing winch Type : DTW 12x90 H
TOWING HOOK	DATA quick release disc type towing hook Type: DTH 45 -90 P
RESCUE BOAT CRANE	GURDESAN GD RR 15/3,5 B
RESCUE BOAT	HATECKE RB400
ANCHORS & CHAIN	1x 300 kg (HHP) short link chain 22mm Gr 2
ANCHOR CAPSTAN	DATA electric anchor capstan
FENDERS	Rubber, W type bow fender, D type at sides and W type aft fender

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 69eKW @ 1500 rpm 50hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Plate cooler type
AIR-CONDITIONING	HEINEN HOPMAN: Cold climate package Hot climate package
FIFIE SYSTEM	1x M/E driven fi-fi pump Capacity: 1200 m ³ /hour 2 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 1000 W (Remote Controlled)
RADAR	FURUNO 1932 MK-2
GPS NAVIGATOR	FURUNO GP-32
ECHO SOUNDER	FURUNO FCV-620
SART	JOTRON TRON SART
EPIRB	JOTRON TRON 40S
AUTOPILOT	ALPHASEAPILOT
VHF	FURUNO FM-2721
NAVTEX	FURUNO NX-700B
INTERCOM	PHONTECH CIS-3100
SATELLITE COMPASS	FURUNO SC-30-E-6
MAGNETIC COMPASS	CASSENS&PLATH 3300S

ACCOMMODATION

Accommodation for 5/6 people, high-quality and great comfort.
Accommodation is climate-controlled and includes a captain's cabin an officer cabin and one single, one / two double crew cabins.

MED-A1620 16M – 20 TBP



ASD TUGBOAT

MED-A1620



GENERAL

DESIGN	Cintranaval-Defcar
BASIC FUNCTIONS	Towing, pushing, mooring
CLASSIFICATION	RINA
	C ⚙️ HULL, • MACH, TUG
	UNRESTRICTED NAVIGATION, INWATERSURVEY

DIMENSIONS

LENGTH O.A.	16,50 m
BEAM	6,00 m
DEPTH	2,70 m
DRAFT <small>BASLINE</small>	1,80 m
DRAFT <small>EXTREME</small>	2,70 m
GROSS TONNAGE	< 200

TANK CAPACITIES

FUEL OIL	14,19 m³
FRESH WATER	3,45 m³
SEWAGE	0,50 m³
LUBRICATION OIL	0,54 m³

PERFORMANCES

BOLLARD PULL	20 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	VOLVO PENTA D16-750 2 x 551 kW @ 1800 rpm CATERPILLAR C18 2 x 533 kW @ 2100rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	Rolls Royce US105P6 / Schottel SRP 190 FP
PROPELLERS	1300 mm / 1400mm diameters
SHAFTING	Steel/Carbon Shaft

DECK EQUIPMENT

FORE TOWING WINCH	DMT Electric driven with frequency converter, provided with hydraulic operated band brake with one drum. Nominal Pull /Speed @1st layer:100 kN/10 m/min Low Pull /High speed @ 1st layer:30 kN / 30 m/min
TOWING HOOK	Brake holding force on 1st layer : 750 kN DATA disc type towing hook Type : DTH 30-60
CAPSTAN	DATA Capstan SWL:5tonnes
ANCHORS & CHAIN	1 x 150 kg (HHP) short link chain 14mm Gr 2
ANCHOR CAPSTAN	One (1) piece DATA hydraulic windlass
FENDERS	Rubber, cylinder and W type bow fender, D type around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	2 x VOLVO PENTA 62ekW @ 1500 rpm 50hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Plate cooler type
AIR-CONDITIONING	Secondary AC unit in wheelhouse Cold climate package Hot climate package

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	JRC: JMR-541006XA BB
GPS	JRC: JLR-7500
AIS CLASS A	JHS-183
AIS CLASS B	I-MARINE
GPS COMPASS	JRC: JLR-21
MAGNETIC COMPASS	REFLECTA 3
NAVTEX	JRC: NCR 333
EPIRB	JOTRON 83310
SART	JOTRON 85037
AUTOPILOT	NAVITRON NT-888G
BNWAS	NAVITRON NT991
INTERCOM	PHONTECH: CIS-3100
VHF	ICOM: IC M323
INMARSAT-C & LRIT&SSAS	JRC:JUE-87
ECHO SOUNDER	JRC: 7050

ACCOMMODATION

Accommodation for 4 people, high-quality and great comfort. Accommodation is climate-controlled and includes two double crew cabins.

OPTIONAL EQUIPMENT

AFT WINCH	Single drum hydraulic towing winch
DECK CRANE	250kg @ 5m

MED-A1835 **18M – 30/35 TBP**



ASD TUGBOAT

MED-A1835



DESIGN Robert Allan Ltd. Rascal
 BASIC FUNCTIONS 1800 Towing, pushing, mooring, fire-fighting
 CLASSIFICATION

RINA
 C HULL, MACH,
 TUG
 FIREFIGHTING SHIP E, WITH WATER SPRAY
 UNRESTRICTED NAVIGATION, AUT-UMS

DIMENSIONS

	INWATERSURVEY
LENGTH O.A.	18.00 m
BEAM	9.60 m
DEPTH	3.30 m
DRAFT BASELINE	2.30 m
DRAFT EXTREME	3.50 m
GROSS TONNAGE	< 200

TANK CAPACITIES

FUEL OIL	24,40 m³
FRESH WATER	4,20 m³
SEWAGE	4,40 m³
OILY WATER	2,30 m³
LUBRICATION OIL	0.60 m³
FOAM	1.30 m³

PERFORMANCES

BOLLARD PULL	30 / 35 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C32
TOTAL POWER	2 x 895 / 970 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 260 FP
PROPELLERS	1750 / 1800 mm diameters
SHAFTING	Steel/Carbon Shaft

DECK EQUIPMENT

FORE TOWING WINCH	200kN electric frequency controlled towing winch one towing drum. Force and speed ranges : 200 kN at 0-9m/min 65 kN at 0-27m/min Brake holding force in 1st layer : 750 / 875 kN
TOWING HOOK	DATA quick release disc type towing hook Type: DTH 45-90
CAPSTAN	Electric capstan SWL 30kN Manual Operated
RESCUE BOAT CRANE	Crane SWL: 0.5 tonnes REDSEA RS-A-380
RESCUE BOAT	foldable rescue boat
ANCHORS & CHAIN	1 x 180 kg (HHP) short link chain 19mm Gr2
ANCHOR CAPSTAN	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 86ekW @ 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
FIFI E SYSTEM	Hot climate package 1 x M/E driven fi-fi pump Capacity; 1314 m³/hour 1 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled) JRC: JMR-541006XA BB
RADAR	JRC: JLR-7500
GPS	JHS-183
AIS CLASS A	I-MARINE
AIS CLASS B	JRC: JLR-21
GPS COMPASS	REFLECTA 3
MAGNETIC COMPASS	JRC: NCR 333
NAVTEX	JOTRON 83310
EPIRB	JOTRON 85037
SART	NAVITRON NT-888G
AUTOPILOT	NAVITRON NT991
BNWAS	PHONTECH: CIS-3100
INTERCOM	ICOM: IC M323
VHF	JRC:JUE-87
INMARSAT-C & LRIT&SSAS	JRC: 7050
ECHO SOUNDER	

ACCOMMODATION

Accommodation for 4 people, high-quality and great comfort.
 Accommodation is climate-controlled and includes two double crew cabins.

MED-A2150 21M – 40/50 TBP



ASD TUGBOAT

MED-A2150



GENERAL

DESIGN	Robert Allan Ltd. RAscal 2100
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA C \star HULL, \star MACH, TUG UNRESTRICTED NAVIGATION, \star 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 (40 TBP)	3.92 m
DRAFT (50 TBP)	4.00 m
GROSS TONNAGE	< 300

TANK CAPACITIES

FUEL OIL	40,00 m ³
FRESH WATER	10,00 m ³

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.

DECK EQUIPMENT

FORE TOWING WINCH

200 kN 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

TOWING HOOK

Brake holding force in 1st layer : 1000 / 1250 kN
DATA quick release disc type towing hook
Type: DTH 45-90 / DTH 70-130

CAPSTAN

Electric capstan SWL 30kN

ANCHORS & CHAIN

1 x 225 kg (HHP) short link chain 19mm Gr2

ANCHOR CAPSTAN

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 86ekW @ 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

FIFI E SYSTEM	1 x M/E driven fi-fi pump Capacity; 1314 m ³ /hour 1 x Monitor : Foam/water monitor with remote operated, electric controls
RESCUE BOAT CRANE	Manual Operated Crane SWL: 0.5 tonnes
RESCUE BOAT	REDSEA RS-A-380 foldable rescue boat
MACHINERY COOLING SYSTEM	*Box cooler

MED-A2370 23M- 50/60/70TBP



ASD TUGBOAT



MED-A2370



GENERAL

DESIGN	Robert Allan Ltd. R&A parts 2300MM
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA C HULL, MACH, TUG
	FIREFIGHTING SHIP E WITH WATER SPRAY, UNRESTRICTED NAVIGATION
	AUT-UMS, MLC DESIGN, INWATERSURVEY
OPTIONAL NOTATION	FIRE-FIGHTING SHIP 1; WATER SPRAYING GREENSTAR 3

DIMENSIONS

LENGTH O.A.	23,40 m
BEAM	11.90 m
DEPTH	4,60 m
DRAFT (50 TBP)	4,50 m
DRAFT (60 TBP)	4,50 m
DRAFT (70 TBP)	5,00 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	61,90 m³
FRESH WATER	11,40 m³
SEWAGE	10,30 m³
OILY WATER	3,20 m³
LUBRICATION OIL	1,80 m³
FOAM	3,20 m³

PERFORMANCES

BOLLARD PULL	50/60/70 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

50 TBP	60 TBP	70 TBP
CAT C3512C/E	CAT C3512C/E	CAT C3512C/E
1380 kW @1600rpm	1765 kW @1800rpm	1901 kW @1800rpm
Schottel SRP 340 FP	Schottel SRP 340 FP	Kongsberg US205 FP
2100mm DIA	2400mm DIA	2800mm DIA

SHAFTING Carbon Fiber Shaft

ACCOMMODATION

Accommodation for 8 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

Electric towing winch with one (split) towing drum and one warping head.
Force and speed ranges : 300 kN at 0-9 m/min
100 kN at 0-27 m/min

TOWING HOOK

Brake holding force in 1st layer : 1500 kN
DATA quick release disc type towing hook
Type: DTH 70-130P

DECK CRANE

Toimil T-10500M SWL 10t.m reach 8 m or equal

RESCUE BOAT CRANE

Manual Operated Crane SWL: 0.5 tonnes

RESCUE BOAT

REDSEA RS-A-380 Foldable Boat

ANCHORS & CHAIN

1 x 240 kg (HHP) Short link chain 19 mm Gr 2

ANCHOR CAPSTAN

Electric anchor capstan

CAPSTAN

DATA electric capstan SWL 5tonnes

FENDERS

Rubber, Cylinder, W and D type fendering

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CAT C4.4 86 ekW @ 1500 rpm, 50hz
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
FIRE SYSTEM	1 x M/E driven fire pump Capacity; 1200 m³/hr. 1 x Monitor : Foam/water monitor with remote operated, electric controls

NAVIGATION AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 24 V 1000 W (Remote Controlled)
RADAR	JRC: JMA-5212-4BB
GPS NAVIGATOR	JRC: JLR-7500
AIS CLASS A	JRC: JHS 183
AIS CLASS B	IMARINE 3.5
GPS COMPASS	JRC: JLR-21
MAGNETIC COMPASS	REFLECTA 1
NAVTEX	JRC: NCR-333
EPIRB / SART	JOTRON TRON 60S / 85037
AUTOPILOT	NAVITRON: NT921MKII
BNWAS	NAVITRON: NT991
INTERCOM	PHONTECH: QS-3100
VHF	JRC: JHS-770S
INMARSAT-C	JRC: JUE 87 x 2
ECHO SOUNDER	JRC: JFE-380-25
SPEED LOG	JRC: JLN-205 MK2

OPTIONAL EQUIPMENT

FIRE SYSTEM	2 x Main Engine drive Fire pumps Capacity; 1,400 m³/hour each 2 x Monitors – FFS foam/water monitors Remote operated, electric controls
AFT TOWING WINCH	Electric towing winch

MED-A2475 24M – 60/70/75 TBP



ASD TUGBOAT

MED-A2475

SEATECH
Trusted Solutions



GENERAL

DESIGN	Sea Tech Solutions.
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA
	C ✕ HULL, ✕ MACH, TUG
FIREFIGHTING	SHIP 1 WITH WATER SPRAY
UNRESTRICTED NAVIGATION, MLC DESIGN	INWATERSURVEY

DIMENSIONS

LENGTH O.A.	24,40 m
BEAM	12,25 m
DEPTH	4,50 m
DRAFT (60 TBP)	5,65 m
DRAFT (70 TBP)	5,75 m
DRAFT (75 TBP)	5,75 m
GROSS TONNAGE	<400

TANK CAPACITIES

FUEL OIL	78,40 m³
FRESH WATER	22,60 m³
SEWAGE	8,50 m³
LUBRICATION OIL	5,30 m³
FOAM	8,60 m³

PERFORMANCES

BOLLARD PULL	60/70/75 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

60 tBP	70 tBP	75 tBP
CAT C3512C	CAT C3516C /MTU 16V4000M61	CAT C3516C /MTU 16V4000M63
1380 kW @ 1800rpm	2100 kW @ 1800rpm / 2100 kW @ 1800rpm	2240 kW @ 1800rpm
Schottel SRP 340 FP	Schottel SRP 340 FP/Kongsberg US205 FP	
2400mm DIA	2800mm DIA	

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	Electric frequency controlled towing winch with two towing drum. Force and speed ranges: 300 kN at 0-9 m/min (slack) 0-27 m/min Brake holding force 1st layer : 1750 kN
AFT TOWING WINCH (Optional)	Electric frequency controlled towing winch with two towing drum and two warping head. Force and speed ranges: 300 kN at 0-9 m/min (slack) 0-27 m/min Brake holding force 1st layer : 1750 kN If aft winch is not available
MOORING CAPSTAN	DATA quick release disc type towing hook
AFT TOWING HOOK	Type DTH 90-135 P SWL: 100 tonnes
ANCHORS & CHAIN	1 x 214 kg (HHP) Short link chain 20,5mm Gr2
FENDERS	Rubber, Cylinder, W and D type fendering
DECK CRANE	TOIMIL MARINE, T-7500M/2 840 kg @ 8,1m reach
RESCUE BOAT CRANE (Opt.)	GURDESAN SWL: 12kN @5m
RESCUE BOAT (Opt.)	Semi-rigid inflatable Rescue Boat

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILAR C4.4 86 ekW @ 1500 rpm 50hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Plate cooler type –optional box cooler type
AIR-CONDITIONING	HEINEN HOPMAN: Cold climate package Hot climate package
FIFI E SYSTEM	1 x M/E driven fi-fi pump MARSIS SNT-250/550 Capacity; 1400 m³/hour 2 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230V, 1000 W (Remote Controlled)
RADAR	FURUNO FAR-1518-BB
DGPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
MF/HF RADIO TELEPHONE	FURUNO FS-1575
INMARSART MINI-C	FELCOM 19-SSAS
SART / EPIRB	JOTRON TRON SART / JOTRON TRON 60S
AUTOPILOT	SIMRAD AP70
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	2 x FURUNO FM-8900S
HANDHELD VHF	2 x JOTRON TRON TR30
BATTERYLESS TELEPHONE	VINGTOR VSP-211-L
SPEED LOG / ECHOSOUNDER	FURUNO DS-80 / FURUNO FE-800
WEATHER STATION	AIRMAX 150WX

MED-A2575 25M – 60/70/75 TBP



ASD TUGBOAT

MED-A2575



ROBERT ALLAN LTD.
MARINE ENGINEERING AND SHIP DESIGN



DECK EQUIPMENT

FORE TOWING WINCH

Electric frequency controlled towing winch with two towing drums and one warping head
Force and speed ranges : 300 kN at 0-9 m/min
100 kN at 0-27 m/min

AFT TOWING WINCH

Brake holding force in 1st layer : 1900 kN
Electric frequency controlled towing winch with one towing drums and one warping head.
Force and speed ranges : 300 kN at 0-9 m/min
100 kN at 0-27 m/min

AFT TOWING HOOK

Brake holding force in 1st layer : 1900 kN
DATA quick release disc type towing hook
Type DTH 90-135 P

ANCHORS & CHAIN FENDERS

1 x 214 kg (HHP) Short link chain 20.5 mm Gr2
Rubber, Cylinder, W and D type fendering

AUXILIARY EQUIPMENT

GENERATOR SET 2 x CATERPILLAR C4.4 99ekW 1500 rpm 50hz
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 / hot climate package
FIFI 1 SYSTEM 2 x M/E driven fi-fi pump, Capacity; 1400 m³/hr.
2 x Foam/water monitor, remote operated

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA
SEARCHLIGHT 2 x 230V, 2000 W (Remote Controlled)
RADAR FURUNO FAR-1518-BB
DGPS NAVIGATOR FURUNO GP-170
AIS CLAS A FURUNO FA-170
SATELLITE COMPASS FURUNO SC-70
MAGNETIC COMPASS REFLECTA A/3
NAVTEX FURUNO NX-700B
MF/HF RADIO TELEPHONE FURUNO FS-1575
INMARSAT MINI-C FELCOM19-SSAS
SART / EPIRB JOTRON TRON SART / JOTRON TRON 60S
AUTOPILOT SIMRAD AP70
BNWAS FURUNO BR-500
INTERCOM PHONTECH CIS-3100
VHF 2 x FURUNO FM-8900S
HANDHELD VHF 2 x JOTRON TRON TR30
BATTERYLESS TELEPHONE VINGTOR VSP-211-L
SPEED LOG / ECHO SOUNDER FURUNO DS-80 / FURUNO FE-800
WEATHER STATION AIRMAR 150WX

OPTINAL EQUIPMENT

RESCUE BOAT CRANE GURDESAN Crane SWL: 12 kN 5m
RESCUE BOAT RIBO DSB 4.3 Foldable Rescue Boat

GENERAL

DESIGN Robert Allan Ltd. RAMPARTS 2500W
BASIC FUNCTIONS Towing, pushing, mooring, fire-fighting
CLASSIFICATION RINA
C ✕ HULL, ✕ MACH, ✕ AUT-UMS, TUG
FIREFIGHTING SHIP 1 WITH WATER SPRAY
UNRESTRICTED NAVIGATION, MLC DESIGN
INWATERSURVEY

DIMENSIONS

LENGTH O.A. 25,20 m
BEAM 12,00 m
DEPTH 4,60 m
DRAFT (60 TBP) 5,75 m
DRAFT (70 TBP) 5,75 m
DRAFT (75 TBP) 5,75 m
GROSS TONNAGE < 400

TANK CAPACITIES

FUEL OIL 96,40 m³
FRESH WATER 11,20 m³
SEWAGE WATER 4,80 m³
GREY WATER 4,80 m³
OILY WATER 2,10 m³
LUBRICATION OIL 2,00 m³
FOAM 4,90 m³

PERFORMANCES

BOLLARD PULL 60 / 70 / 75 tons
SPEED 12 knots (approx.)

PROPULSION SYSTEM

60 tBP	70 tBP	75 tBP
CAT 3512C	CAT 3516C / MTU 16V4000M61	CAT 3516C / MTU 16V4000M63
1765 kW @1800rpm	2100 kW @1600rpm / 2100 kW @1800rpm	2240 kW @1800rpm
Kongsberg US205FP 2800mm DIA	Schottel SRP 460 FP / Kongsberg US255 FP 2800mm DIA HD slipping clutch for FIFI 1	

SHAFTING Carbon Fiber Shaft

ACCOMMODATION

Accommodation for 6 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.

MED-A2885 28M – 85 TBP



ASD TUGBOAT

MED-A2885



GENERAL

DESIGN	Robert Allan Ltd. RStar2800
BASIC FUNCTIONS	Towing, pushing, escorting, mooring, fire-fighting
CLASSIFICATION	RINA: C ❖ HULL ❖ MACH
	Escort tug – fire-fighting ship 1 – water-spraying oil recovery ship – flash point > 60°C Unrestricted navigation
AUT UMS – AUT PORT – SYS NEQ – COMF NOISE C – COMF VIB C	GREEN STAR 3 – INWATERSURVEY

DIMENSIONS

LENGTH O.A.	28,40 m
BEAM	13,00 m
DEPTH	5,40 m
DRAFT <small>BASLINE</small>	4,10 m
DRAFT <small>EXTREME</small>	5,70 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	151,00 m³
POTABLE WATER	20,40 m³
FRESH WATER	53,80 m³
SEWAGE WATER	5,90 m³
GREY WATER	5,90 m³
OILY WATER	4,00 m³
LUBRICATION OIL	2,50 m³
FOAM	8,00 m³

PERFORMANCES

BOLLARD PULL	70/75/80 tons
SPEED	12.5 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3516C 2x2525 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II (Tier III Optional)
AZIMUTHING STERN DRIVE	KONGSBERG US 255S FP with slipping clutch for FIFI 1
PROPELLERS	2800 mm diameters
SHAFTING	Carbon Fiber Shaft

ACCOMMODATION

Accommodation for 10 people MLC-compliant high-quality and great comfort accommodation is climate-controlled and includes a master cabin, an officer cabin, and four double crew cabins.

DECK EQUIPMENT

FORE TOWING WINCH
two drums

m/min

AFT TOWING WINCH
head

AFT TOWING HOOK

TOWING PINS

ANCHORS & CHAIN

FENDERS

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 99 kW 1500 rpm 50hz
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 and Hot climate package
FIFI 1 SYSTEM	2x M/E driven fi-fi pump Capacity: 1375 m³/hr. 2 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	FURUNO FAR-1518-BB
GPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
SPEED LOG	FURUNO DS-80
ECHO SOUNDER	FURUNO: FE-800

OPTIONAL EQUIPMENT

DECK CRANE
RESCUE BOAT CRANE & RESCUE BOAT

MED-A3055 ICE 30M – 55 TBP



ICE CLASS ASD TUGBOAT

MED A3055 ICE



GENERAL

SHIP BUILDER	Med Marine Group – Eregli Shiyard
BASIC FUNCTIONS	Towing, pushing, mooring.
CLASSIFICATION	BV I ✱ HULL ✱ MACH TUG, Design Bollard Pull: 55 tons COASTAL AREA, ✱ AUT-UMS ICE CLASS I A Super

DIMENSIONS

LENGTH O.A.	30,00 m
BEAM	10,50 m
DEPTH	4,85 m
DRAFT BASELINE	3,55 m
GROSS TONNAGE	375

TANK CAPACITIES

FUEL OIL	76,93 m³
FRESH WATER	10,40 m³
BLACK WATER	7,23 m³
GREY WATER	7,23 m³
DIRTY OIL	1,86 m³
SLUDGE	1,86 m³
BILGE	3,31 m³
LUBRICATION OIL	3,31 m³
DIESEL EXHAUST FLUID	4,70 m³

PERFORMANCES

BOLLARD PULL	55 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3512 E – Tier III
POWER	2x1901 kW @ 1800 rpm
AZIMUTHING STERN DRIVE	SCHOTTEL SRP460
PROPELLERS	2400 mm diameters
SHAFTING	Carbon Fiber Shaft

ACCOMMODATION

Accommodation for 8 people, MLC compliant, high-quality and great comfort accommodation is climate-controlled and includes a captain's cabin, two officer cabins, two double crew cabins with central heating.

DECK EQUIPMENT

FORE TOWING WINCH

Hydraulic towing winch with double drum combined with two chain wheels and one warping head.

Nominal force 1st layer 350 kN

Nominal speed 1st layer 0-15 m/min

Maximum speed 1st layer 0-30 m/min

AFT TOWING WINCH

Hydraulic towing winch with double drum combined with two chain wheels and one warping head.

Nominal force 1st layer 350 kN

Nominal speed 1st layer 0-12 m/min

Maximum speed 1st layer 0-20 m/min

TOWING HOOK

DATA HIDROLIK quick release disc type
Type: DTH 70-130

TOW PIN

DATA HIDROLIK Type DTP 12 SH

DECK CRANE

PALFINGER PK12000MA SWL 1200 kg @ 8,1 m

RESCUE BOAT

REDSEA RS-A-380

ANCHORS & CHAIN

2 x 495 kg (HHP) short link chain 20.5 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 VOLVO PENTA DD7A T 108 kW @ 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 SYSTEM	1 x 1500 m³/hour engine driven fi-fi pump 2x 600/1500 m³/hour foam/water monitors with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	FURUNO FAR-1518-BB
GPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
SPEED LOG	
ECHO SOUNDER	

MED-A3060 ICE 30M – 50/60 TBP



**ICE CLASS
ASD TUGBOAT**

MED-A3060 -ICE



GENERAL

DESIGN	Robert Allan Ltd. TundRA 3000
BASIC FUNCTIONS	Towing, pushing, escorting, mooring.
CLASSIFICATION	ABS A1, ESCORT VESSEL, AMS, ACCU UNRESTRICTED NAVIGATION UWILD, Ice Class I A

DIMENSIONS

LENGTH O.A.	30,00 m
BEAM	12,60 m
DEPTH	5,70 m
DRAFT BASELINE	4,50 m
DRAFT EXTREME	5,60 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	117,70 m³
FRESH WATER	26,60 m³
SEWAGE WATER	9,40 m³
GREY WATER	9,40 m³
OILY WATER	1,90 m³
LUBRICATION OIL	2,30 m³
DIESEL EXHAUST FLUID	8,00 m³

PERFORMANCES

BOLLARD PULL	60 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	MAN 12V175D-MM 2 x 2040 kW @ 1800 rpm – Tier II/III CAT 3512 C 2 x 1902 kW @ 1800 rpm – Tier II CAT 3512 E 2 x 1901 kW @ 1800 rpm – Tier III
AZIMUTHING STERN DRIVE	KONGSBERG ICE 255S P30 CP
PROPELLERS	2400 mm diameters
SHAFTING	Carbon Fiber Shaft

ACCOMMODATION

Accommodation for 6 people, MLC compliant, high-quality and great comfort accommodation is climate-controlled and includes a captain's cabin, an officer cabin, two single crew cabins and one double crew cabin with central heating.

DECK EQUIPMENT

FORE TOWING WINCH	KARMOY Heavy duty escort towing winch Force and speed ranges : 108 t at 14 m/min 4,2 t at 276 m/min
TUGGER WINCHES	2 x DATA HIDROLIK tugger winches with one drum Force and speed ranges : 5 t at 15 m/min
TOWING PIN	DATA HIDROLIK Type DTP 10 H SWL 60t @ 15° Opening / closing time : 8 / 5 sec
ANCHORS & CHAIN	Class Requirements
FENDERS	Rubber, Cylinder, W and D type fendering around the hull

AUXILIARY EQUIPMENT

GENERATOR SET	2 x VOLVO 130 eKW 1500rpm 50Hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Box cooler type
AIR-CONDITIONING	HEINEN HOPMAN: Secondary AC unit in wheelhouse Central Heating Hot climate package

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A2 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W (Remote Controlled)
RADAR	FURUNO FAR-1518-BB
GPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
SPEED LOG	FURUNO DS-80
ECHO SOUNDER	FURUNO: FE-800

OPTIONAL EQUIPMENT

BOW THRUSTER	SCHOTTEL
DECK CRANE	PALFINGER PK18500(M)B SWL 1t@10m
RESCUE BOAT CRANE	PALFINGER SCH 12-3.5 R SWL 12t@3.5m
RESCUE BOAT	RIBO DSB 5.1 SR/SOLAS
REEL WINDER	DATA HIDROLIK DRW 4000 EP-L

MED-A3085 30M – 85 TBP



ASD TUGBOAT

MED-A3085



GENERAL

DESIGN	Robert Allan Ltd. RAstar 3000W
BASIC FUNCTIONS	Towing, pushing, escorting, mooring, fire-fighting.
Optional functions	LNG compatibility
CLASSIFICATION	RINA
	C HULL, MACH, ESCORT TUG
	FIREFIGHTING SHIP 1, WITH WATER SPRAY
	UNRESTRICTED NAVIGATION, AUT-UMS, IN WATER SURVEY
OPTIONAL NOTATION	AUT-PORT, COMF-NOISE C, COMF-VIB C

DIMENSIONS

LENGTH O.A.	29,70 m
BEAM O.A.	13.30 m
DEPTH (MOULDED)	5,45 m
DESIGN DRAFT	4,25 m
FULL LOAD DRAFT	6,00 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	203.4 m ³
FRESH WATER	18,40 m ³
SEWAGE WATER	5,20 m ³
GREY WATER	5,20 m ³
OILY WATER	3,90 m ³
LUBRICATION OIL	4,00 m ³
FOAM	10, 60 m ³

PERFORMANCES

BOLLARD PULL	85 tons
SPEED	12,5 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	MTU 16V4000M65L 2 x 2560 Kw @ 1800 rpm / CATERPILLAR 3516C 2 x 2525kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II (Tier III Optional)
AZIMUTHING STERN DRIVE	ROLLS ROYCE US 255 P30 FP with HD slipping clutch
PROPELLERS	2800 mm diameters
SHAFTING	Carbon Fiber Shaft

ACCOMMODATION

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

DECK EQUIPMENT

FORE TOWING WINCH	ROLLS ROYCE heavy duty escort towing winch with two drums and one warping head, EX-proof. Recovery Nom. pull / low speed /1st layer : 120t / 10 m/min Nom pull / high speed /1st layer : 11t / 69 m/min Rendering Nom. pull / low speed /1st layer : 169t / -30 m/min Nom pull / high speed /1st layer : 17t / -96m/min DATA Quick Release Disc Type Towing Hook Type DTH 90-135P
TOWING HOOK	DATA Capstan SWL:5t
CAPSTAN	2x 495 kg (HHP) Short link chain 20.5mm Gr 3
ANCHORS & CHAIN	Rubber, Cylinder, W and D type fendering around the hull
FENDERS	

AUXILIARY EQUIPMENT

GENERATOR SET	2 x C4.4 99 ekW 1500 rpm 50hz
FRESH WATER SYSTEM	Electrical hydrophore and sewage pump
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 M/E driven fi-fi pump Capacity; 1350m ³ /hour 2 x Monitor : 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 NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
ANOMOMETER	AIRMAR 220WX
SPEED LOG	FURUNO DS-80
ECHO SOUNDER	FURUNO: FE-800

OPTIONAL EQUIPMENT

DECK CRANE	PALFINGER PK18500(M)B SWL 14,6t@10,2m
RESCUE BOAT CRANE	PALFINGER SCH 12-3.5 R SWL 12t@3.5m
RESCUE BOAT	RIBO DSB 5.1 SR/SOLAS

MED-A3275 **32M – 60/70/75 TBP**



ASD TUGBOAT

MED-A3275



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 OIL RECOVERY SHIP-FLASH POINT > 60°C SALVAGE TUG, GREENSTAR3
OPTIONAL	

DIMENSIONS

LENGTH O.A.	32,00 m
BEAM	11.60 m
DEPTH	5,36 m
DRAFT (60 / 70 / 75 TBP)	5,25 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	155,70 m³
FRESH WATER	40,80 m³
SEWAGE WATER	3,80 m³
OILY WATER	4,00 m³
LUBRICATION OIL	3,30 m³
FOAM	15,80 m³

PERFORMANCES

BOLLARD PULL	60/70/75 tons
SPEED	12 knots

PROPULSION SYSTEM

60 tBP	70 tBP	75 tBP
CAT 3512E 1765 kW @1800rpm	CAT 3512E 1901 kW @ 1600 rpm	CAT 3516E 2240 kW @1600rpm
Kongsberg US205FP 2600mm DIA	Kongsberg US205 FP / Kongsberg US255 FP 2800mm DIA HD slipping clutch for FIFI 1	

SHAFTING	Carbon Fiber Shaft
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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.

DECK EQUIPMENT

FORE TOWING WINCH

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

one towing drum

Brake holding force in 1st layer : 1750 kN
Electric frequency controlled towing winch with 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
DATA HIDROLIK quick release disc type

TOWING PIN

Type: DTH 90-135

ANCHORS & CHAIN FENDERS

DATA DTP 12 SH
1 x 495 kg (HHP) short link chain 22mm Gr 3
Rubber, cylinder and W type bow fender, D type at sides and W type aft fender
Toimil T-10500M SWL10t.m reach 8 m or equal
PALFINGER RSQ 450 G / SWL: 12kN@3.5m

DECK CRANE

RESCUE BOAT & CRANE

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 99kW@1500rpm 50hz
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; 1350 m³/hour 2 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 1000 W
RADAR	JRC JMA-5212-6
GPS NAVIGATOR	JRC JLR 7500
AIS CLASS-A	JRC JHS-183
AIS CLASS-B	I-MARINE
GPS COMPASS	JRC: JLR 21
MAGNETIC COMPASS	REFLECTA/1
NAVTEX	JRC NCR-333
EPIRB / SART	JOTRON TRON 60S / 85037
AUTOPILOT	NAVITRON NT-921 MKII
BNWAS	NAVITRON: NT991
INTERCOM	PHONTECH: CIS-3100
VHF	JRC: JHHS-770S
INMARSAT-C & SSAS	JRC: JUE-87
ECHO SOUNDER	JRC: JFE-380-22
SPEED LOG	JRC: JLN-205 MK2

MED-A3280 **32M – 60/70/80 TBP**



ASD TUGBOAT



GENERAL

DESIGN	Robert Allan Ltd. Ramparts 3200 SD
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.	31,50 m
BEAM	12.60 m
DEPTH	5,40 m
DRAFT (60 TBP)	5,75 m
DRAFT (70 TBP)	5,98 m
DRAFT (80 TBP)	5,98 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	185,80 m³
FRESH WATER	35,00 m³
SEWAGE WATER	10,90 m³
OILY WATER	5,40 m³
LUBRICATION OIL	4,70 m³
FOAM	12,40 m³

PERFORMANCES

BOLLARD PULL	60 / 70 / 80 tons
SPEED	12.5 knots

PROPULSION SYSTEM

60 tBP	70 tBP	80 tBP
1765 kW @1800rpm Kongsberg US205FP 2400mm DIA	CATERPILLAR 3516C 2100 kW @ 1600 rpm Kongsberg US205 FP 2600 mm HD slipping clutch for FIFI 1	2525 kW @1600rpm Kongsberg US255 FP 2800 mm

SHAFTING	Carbon Fiber Shaft
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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.

DECK EQUIPMENT

FORE TOWING WINCH

Electric driven anchor combined 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

Brake holding force in 1st layer : 1750 kN
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
DATA HIDROLIK quick release disc type
Type: DTH 90-135

TOWING PIN

DATA HIDROLIK DTP 12 SH

CAPSTAN

DATA HIDROLIK SWL:5t

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 C4.4 99kW@1500rpm 50hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Box 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	
SEARCHLIGHT	2 x 230 V, 1000 W
RADAR	JRC JMA-5212-6
GPS NAVIGATOR	JRC JLR 7500
AIS CLASS-A	JRC JHS-183
AIS CLASS-B	I-MARINE
GPS COMPASS	JRC: JLR 21
MAGNETIC COMPASS	REFLECTA/1
NAVTEX	JRC NCR-333
EPIRB / SART	JOTRON TRON 60S / 85037
AUTOPILOT	NAVITRON NT-921 MKII
BNWAS	NAVITRON: NT991
INTERCOM	PHONTECH: CIS-3100
VHF	JRC: JHHS-770S
INMARSAT-C & SSAS	JRC: JUE-87
ECHO SOUNDER	JRC: JFE-380-22
SPEED LOG	JRC: JLN-205 MK2

MED-A3290 32M -80/90 TBP



ASD TUGBOAT

MED A3290



GENERAL

DESIGN	Robert Allan Ltd. RAstar 3200-W
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, IN WATER SURVEY
OPTIONAL	SALVAGE TUG, OIL RECOVERY SHIP-FLASH POINT > 60°C

DIMENSIONS

LENGTH O.A.	32,00 m
BEAM	13,20 m
DEPTH	5,45 m
DRAFT (80 / 90 TBP)	5,98 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	190 m ³
FRESH WATER	40 m ³

PERFORMANCES

BOLLARD PULL	80/90 tons
SPEED	13 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3516E
TOTAL POWER	2 x 2350 / 2 x 2525 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II (Opt. IMO Tier III)
AZIMUTHING STERN DRIVE	KONGSBERG US 255 FP
PROPELLERS	2800 / 2800 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 two double, two single or four double crew cabins.

DECK EQUIPMENT

FORE TOWING WINCH

Hydraulic escort towing winch with two towing drums and one warping head.
Force and speed ranges 1200 kN at 0-14m/min
850 kN at 0-20 m/min, 650 kN at 0-27 m/min
300 kN at 0-60 m/min
Brake holding force in 1st layer : 2000 kN

AFT TOWING WINCH

Hydraulic towing winch with one towing drum and one warping head.
Force and speed ranges : 500 kN at 0-15 m/min
300 kN at 0-20 m/min, 80 kN at 0-50 m/min
Brake holding force in 1st layer : 2000 kN
DATA HIDROLIK quick release disc type
Type: DTH 90-135

TOWING HOOK

CAPSTAN

DATA HIDROLIK Capstan SWL5t

TOW PIN

DATA HIDROLIK DTP 12 SH

DECK CRANE

PALFINGER PK18500(M)B SWL 1460kg@10,2m

RESCUE BOAT CRANE

PALFINGER SCH 12-3.5 R SWL 12t@3.5m

RESCUE BOAT

RIBO DSB 5.1 SR/SOLAS

ANCHORS & CHAIN

2x 495 kg (HHP) short link chain 22mm Gr 3

ANCHOR CAPSTAN

Two (2) piece DATA HIDROLIK electric driven

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 99ekW @ 1500 rpm 50hz

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 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

SEARCHLIGHT

2 x 230 V, 2000 W

RADAR

JRC JMA-5212-6

GPS NAVIGATOR

JRC JLR 7500

AIS CLASS-A / CLASS-B

JRC JHS-183 / I-MARINE

GPS COMPASS

JRC: JLR 21

MAGNETIC COMPASS

REFLECTA/1

NAVTEX

JRC NCR-333

EPIRB / SART

JOTRON TRON 60S / 85037

AUTOPILOT

NAVITRON NT-921 MKII

BNWAS

NAVITRON: NT991

INTERCOM

PHONTECH: CIS-3100

VHF

JRC: JHHS-770S

INMARSAT-C & SSAS

JRC: JUE-87

ECHO SOUNDER / SPEED LOG

JRC: JFE-380-22 / JRC: JLN-205 MK2

MED-A36100 36M – 90/100 TBP



ASD TUGBOAT

MED-A36100



GENERAL

DESIGN	Robert Allan Ltd. RAmports 3600
BASIC FUNCTIONS	Escorting, towing, pushing, mooring, fire-fighting
CLASSIFICATION	BV
	I ✕ HULL, ✕ MACH, TUG, ESCORT TUG
	FIREFIGHTING SHIP 1, WITH WATER SPRAY
	UNRESTRICTED NAVIGATION, INWATERSURVEY
	✕ AUT-UMS

DIMENSIONS

LENGTH O.A.	35,80m
BEAM	14,50 m
DEPTH	6,03 m
DRAFT BASELINE	4,75 m
DRAFT EXTREME	6,60 m
GROSS TONNAGE	724

TANK CAPACITIES

FUEL OIL	236,4 m³
FRESH WATER	139,2 m³
SEWAGE WATER	4,50 m³
GREY WATER	4,50 m³
OILY WATER	4,60 m³
LUBRICATION OIL	2,10 m³
FOAM	36,3 m³

PERFORMANCES

BOLLARD PULL	95 tons
SPEED	13,5 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	WARTSILA 9L26A2
TOTAL POWER	2 x 3060 kW @ 1000 rpm
AZIMUTHING STERN DRIVE	LIPS CS300-S/BN-K
PROPELLERS	3000 mm diameters
SHAFTING	Cardan Shaft

ACCOMMODATION

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

DECK EQUIPMENT

FORE TOWING WINCH

DMT anchor combined, double gypsy, double drum hawser winch with two warping head.
 High pull / low speed /1st layer : 500 KN / 0-20m/min
 Low pull / high speed /1st layer : 200 KN / 0-40 m/min
 DMT hydraulic operated single drum tugger winch
 Force and speed ranges : 100 kN at 16.5 m/min
 37 kN at 45 m/min

AFT TOWING WINCH

TOWING HOOK

TOW PIN

ANCHORS & CHAIN

DECK CRANE

RESCUE BOAT CRANE

RESCUE BOAT

FENDERS

Brake holding force in 1st layer :269kN
 DATA HIDROLIK quick release disc type
 DATA HIDROLIK DTP125H
 1 x 600 kg (HHP) Short link chain 26mm Gr 3
 PALFINGER SWL 4t @ 8.0m
 PALFINGER SWL: 2t @ 3.0 m
 ZODIAC RIBO 420
 Rubber, cylinder and W type bow fender, D type at sides and W type aft fender

AUXILIARY EQUIPMENT

GENERATOR SET	2 x SCANIA 315kW @1500rpm 50Hz
FRESH WATER SYSTEM	Hydrophore and UV filter combined heater
MACHINERY COOLING SYSTEM	Plate cooler type (opt. box 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 SFP250x350 Capacity; 1378 m³/hour 2 x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W
RADAR	JRC: JMA-5310-6
GPS NAVIGATOR	JRC: NWZ 4570
AIS CLASS A	JRC: JHS 182
MAGNETIC COMPASS	SESTRELINE SCH 146
NAVTEX	JRC: NCR-333
SART	JOTRON 96960
EPIRB	JOTRON TRON 405
AUTOPILOT	NAVITRON: NT991G-CMZ 700S
INTERCOM	PHONTECH MS-16D
VHF	JRC: JHS 770S
INMARSAT-C	JRC: JUE 85
ECHO SOUNDER	JRC: JFE 380
SPEED LOG	JRC: JLN 205

MED-A42120 42M – 120 TBP



ASD TUGBOAT



GENERAL

DESIGN	Robert Allan Ltd. RAstar 4200
BASIC FUNCTIONS	Escorting, towing, pushing, mooring, fire-fighting Salvage Operations, Dispersant
CLASSIFICATION	RINA
	C & TUG, AUT-UMS, FIRE FIGHTING SHIP 1, WATERSPRAYING, SALVAGE TUG, INWATERSURVEY

DIMENSIONS

LENGTH O.A.	42,00m
BEAM	16,00 m
DEPTH	6,40 m
DRAFT LIGHT	6,50 m
DRAFT EXTREME	7,20 m
GROSS TONNAGE	> 1000 GT

TANK CAPACITIES

FUEL OIL	500 m ³
FRESH WATER	60 m ³
SEWAGE WATER	5 m ³
LUBE OIL	8 m ³
SLUDGE / OILY WATER	2 m ³
BILGE WATER	6 m ³

PERFORMANCES

BOLLARD PULL	120 tons
SPEED	13 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR C280-12 / MTU 20V4000M73L
TOTAL POWER	2 x 3700 kW @1000 rpm / 2 x 3600 kW @2050 rpm
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 710 FP
PROPELLERS	3400 mm diameters
SHAFTING	Carbon Composite Shafting
BOW THRUSTER	SCHOTTEL STT 170 FP Diameter : 990 mm

ACCOMMODATION

Accommodation for 18 people, high-quality and great comfort accommodation is climate-controlled and includes a captain's cabin, an officer cabin, and four double crew cabins.

DECK EQUIPMENT

FORE TOWING WINCH

Type : Double gypsy, single drum c/w center divider, up-coiled, double warping end of 400mm diameter
Drum Pull (1st layer): 80.0 T x 0~ 10.0 m/min
30.0 T x 0~ 25.0 m/min
Drum Brake holding (1st layer) : 300.0 T (Static)
Drum Capacity: 220m x 72mm dia. (Synthetic Rope) x 2

AFT TOWING WINCH

Type : Double drum in reverse waterfall drum arrangement, down coiled, upper drum c/w auto mechanical spooling device
Drum Capacity: 1000m x 64mm dia. (SWR)
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: 300.0 T (Static, 1st layer)
DTH 150-200H SWL : 150 tons
Type : Angular
SWL for Towing Pins SWL : 300 MT
PALFINGER PK41002(M)C
Boom extension up to 38,2 mt
SWL 5400kg @ 6,2m / SWL 2500kg @ 12,0m
Rubber, cylinder and W type bow fender, D type at sides and W type aft fender

TOWING HOOK

TOW PIN

DECK CRANE

FENDERS

AUXILIARY EQUIPMENT

GENERATOR SET	3 x Caterpillar C9.3 200ekW@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 1 SYSTEM	2 x M/E driven fi-fi pump Capacity: 1314 m ³ /hour 2 x Monitor : Foam/water monitor with remote operated, electric controls
REVERSE OSMOSIS SYSTEM	Production 8 m ³ /day

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x SEAMATZ HGS 230V-2000W
RADAR	FURUNO FAR-3210
GPS NAVIGATOR	FURUNO GP-170
AIS CLASS A	FURUNO FA-170
MAGNETIC COMPASS	TOKYO KEIKI SH-165A2-1
NAVTEX	FURUNO NX-700B
SART	JOTRON TRON SART 20
EPIRB	JOTRON TRON 60S
AUTOPILOT	SIMRAD AP70 Mk2
INTERCOM	FURUNO FELCOM-18 / SSAS
VHF	FURUNO FM-8900S
INMARSAT-C	FURUNO INMARSAT-C FELCOM-18 / SSAS
ECHO SOUNDER	FURUNO ECHOSOUNDER FE-800
SPEED LOG	FURUNO DOPPLER DS-80

MED-T2470 24M – 60/70 TBP



TRACTOR TUGBOAT

MED-T2470



GENERAL

DESIGN	Robert Allan Ltd. TRAKTOR 2400-Z
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA
	C ❖ HULL, ❖ MACH, ❖ AUT-UMS, TUG
FIREFIGHTING	SHIP E WITH WATER SPRAY
UNRESTRICTED NAVIGATION, MLC DESIGN	INWATERSURVEY

DIMENSIONS

LENGTH O.A.	24,00 m
BEAM	12.20 m
DEPTH	4,55 m
DRAFT (60 TBP)	5,75 m
DRAFT (70 TBP)	6,00 m
GROSS TONNAGE	< 400

TANK CAPACITIES

FUEL OIL	70,00 m³
FRESH WATER	12,00m³
FOAM	4 ,00m³

PERFORMANCES

BOLLARD PULL	60/70 tons
SPEED	12 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3512E
TOTAL POWER	2 x 1771 kW @ 1800 rpm / 2 x 1901 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	KONGSBERG US205 FP
PROPELLERS	2400 / 2800 mm diameters

Built-in, hydraulically operated ON/OFF clutch
(Optional HD Slipping Clutch – for Fi-Fi 1)

SHAFTING	Carbon Fiber Shaft
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ACCOMMODATION

Accommodation for 6 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

AFT TOWING WINCH	2 x single drum, electrical driven winches with hydraulic operated band brake and hydraulic operated friction clutch Force and speed ranges : 250 kN at 9 m/min 80 kN at 28 m/min Brake holding force in 1st layer : 1750 kN
ANCHORS & CHAIN FENDERS	Class Requirements Rubber, Cylinder, W and D type fendering

AUXILIARY EQUIPMENT

GENERATOR SET	2 x C4.4 86 kW 1500 rpm 50hz
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 M/E driven fi-fi pump
FIFI-1 (OPTIONAL)	Capacity ; 1350 m³/hr. 2x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT)

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W
RADAR	FURUNO FAR-1518-BB
GPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
ANOMOMETER	AIRMAR 220WX
SPEED LOG	FURUNO DS-80
ECHO SOUNDER	FURUNO: FE-800

OPTIONAL EQUIPMENT

DECK CRANE	PALFINGER PK18500(M)B SWL 1t@10m
RESCUE BOAT CRANE	PALFINGER SCH 12-3.5 R SWL 12t@3.5m
RESCUE BOAT	RIBO DSB 5.1 SR/SOLAS
CAPSTAN	DATA HIDROLIK SWL:5t
TOWING HOOK	One (1) or Two (2) on aft deck DATA HIDROLIK quick release disc type Type DTH 70-130 P

MED-T2675 26M – 75 TBP



TRACTOR TUGBOAT

MED-T2675



GENERAL

DESIGN	Robert Allan Ltd. TRAKTOR 2600-Z
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA
	C ✕ HULL, ✕ MACH, ✕ AUT-UMS, TUG
	FIREFIGHTING SHIP 1 WITH WATER SPRAY
	UNRESTRICTED NAVIGATION, MLC DESIGN
	INWATERSURVEY

DIMENSIONS

LENGTH O.A.	26,00 m
BEAM	12.20 m
DEPTH	4,55 m
DRAFT BASELINE	6,15 m
DRAFT EXTREME	6,35 m
GROSS TONNAGE	< 400

TANK CAPACITIES

FUEL OIL	100,00 m³
FRESH WATER	12,00 m³

PERFORMANCES

BOLLARD PULL	75 tons
SPEED	12,5 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3516C
TOTAL POWER	2 x 2350 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 460 FP / KONGSBERG US255 FP
PROPELLERS	2600 mm diameters

Built-in, Hydraulically Operated ON/OFF Clutch
(Optional HD Slipping Clutch – for Fi-Fi 1)

SHAFTING	Carbon Fiber Shaft
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ACCOMMODATION

Accommodation for 6 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

AFT TOWING WINCH

2 x single drum, electrical driven winches with hydraulic operated band brake and hydraulic operated friction clutch.
Force and speed ranges : 250 kN at 9 m/min
80 kN at 28 m/min

ANCHORS & CHAIN FENDERS

Brake holding force in 1st layer : 1750 kN
1 x 214 kg (HPP) Short link chain 20.5 mm Gr 2
Rubber, Cylinder, W and D type fendering

AUXILIARY EQUIPMENT

GENERATOR SET	2 x C4.4 86 ekW 1500 rpm 50hz
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	2x M/E driven Fi-Fi pump Capacity (each); 1350 m³/hr. 2x Monitor : Foam/water monitor with remote operated, electric controls

NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W
RADAR	FURUNO FAR-1518-BB
GPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
ANOMOMETER	AIRMAR 220WX
SPEED LOG	FURUNO DS-80
ECHO SOUNDER	FURUNO: FE-800

OPTIONAL EQUIPMENT

DECK CRANE	PALFINGER PK18500(M)B SWL 1t@10m
RESCUE BOAT CRANE	PALFINGER SCH 12-3.5 R SWL 12t@3.5m
RESCUE BOAT	RIBO DSB 5.1 SR/SOLAS
CAPSTAN	DATA HIDROLIK SWL:5t
TOWING HOOK	One (1) or Two (2) on aft deck DATA HIDROLIK quick release disc type Type DTH 90-135 P

MED-T2880 28M – 70/80 TBP



TRACTOR TUGBOAT

MED-T2880



GENERAL

DESIGN	Robert Allan Ltd. TRAKTOR 2800-Z
BASIC FUNCTIONS	Towing, pushing, mooring, fire-fighting
CLASSIFICATION	RINA
	C ✕ HULL, ✕ MACH, ✕ AUT-UMS, TUG
FIREFIGHTING	SHIP 1 WITH WATER SPRAY
UNRESTRICTED NAVIGATION, MLC DESIGN	INWATERSURVEY

DIMENSIONS

LENGTH O.A.	28,00 m
BEAM	12.20 m
DEPTH	4,90m
DRAFT BASELINE	6,00 m
DRAFT EXTREME	6,25 m
GROSS TONNAGE	< 500

TANK CAPACITIES

FUEL OIL	140,0 0 m³
FRESH WATER	15,00 m³
FOAM	6,0m³

PERFORMANCES

BOLLARD PULL	80 tons
SPEED	12,5 knots (approx.)

PROPULSION SYSTEM

MAIN ENGINES	CATERPILLAR 3516C
TOTAL POWER	2 x 2525 kW @ 1800 rpm
EMISSION STANDARD	IMO Tier II
AZIMUTHING STERN DRIVE	SCHOTTEL SRP 460 FP / KONGSBERG US255 FP

PROPELLERS	2800 mm diameters
SHAFTING	Carbon Fiber Shaft

ACCOMMODATION

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

DECK EQUIPMENT

AFT TOWING WINCH

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

ANCHORS & CHAIN FENDERS

Brake holding force in 1st layer : 2000 kN
Class Requirements
Rubber, Cylinder, W and D type fendering

AUXILIARY EQUIPMENT

GENERATOR SET	2 x CATERPILLAR C4.4 99kW@1500rpm 50hz
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 M/E driven Fi-Fi pump Capacity (each); 1350 m³/hr. 2 x Monitor : Foam/water monitor with remote operated, electric controls

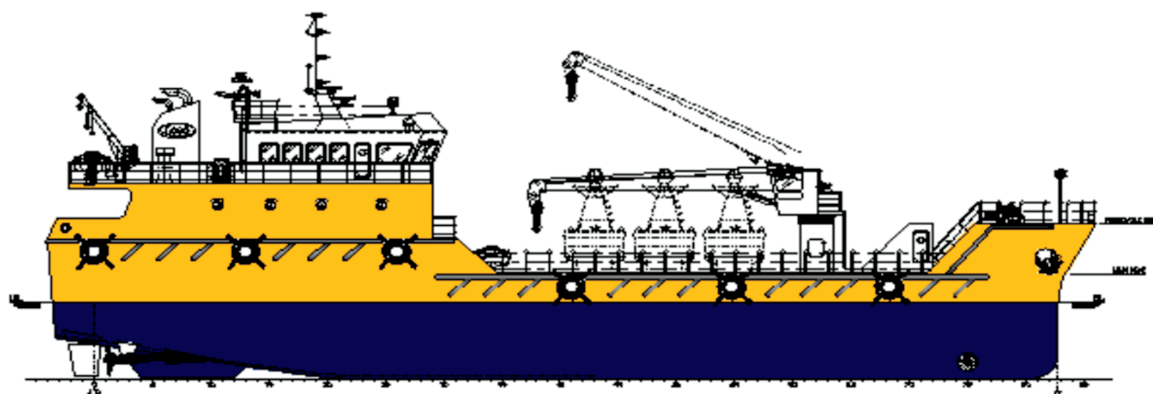
NAUTICAL AND COMMUNICATION EQUIPMENT

GMDSS A3 AREA	
SEARCHLIGHT	2 x 230 V, 2000 W
RADAR	FURUNO FAR-1518-BB
GPS NAVIGATOR	FURUNO GP-170
AIS CLAS A	FURUNO FA-170
SATELLITE COMPASS	FURUNO SC-70
MAGNETIC COMPASS	REFLECTA A/3
NAVTEX	FURUNO NX-700B
EPIRB	JOTRON TRON 60S
SART	JOTRON TRON SART 20
AUTOPILOT	RAYTHEON ANSCHUTZ NP 60
BNWAS	FURUNO BR-500
INTERCOM	PHONTECH CIS-3100
VHF	JOTRON TRON TR30
INMARSAT-C	FELCOM-19/SSAS
ANOMOMETER	AIRMAR 220WX
SPEED LOG	FURUNO DS-80
ECHO SOUNDER	FURUNO: FE-800

OPTIONAL EQUIPMENT

DECK CRANE	PALFINGER PK18500(M)B SWL 1t@10m
RESCUE BOAT CRANE	PALFINGER SCH 12-3.5 R SWL 12t@3.5m
RESCUE BOAT	RIBO DSB 5.1 SR/SOLAS
CAPSTAN	DATA HIDROLIK SWL:5t
TOWING HOOK	One (1) or Two (2) on aft deck DATA HIDROLIK quick release disc type Type DTH 90-135 P

MED-B4500 45M



BUOY HANDLING VESSEL

MED-B4500 / 45m Buoy Vessel



GENERAL

DESIGN	Sea Tech Solution
BASIC FUNCTIONS	Buoy Handling, fire-fighting
CLASSIFICATION	BV
	I ✕ HULL, ✕ MACH, ✕ AUT-UMS,
	SPECIAL SERVICE – BUOY MAINTENANCE
FIREFIGHTING	SHIP 1 WITH WATER SPRAY
	UNRESTRICTED NAVIGATION,

DIMENSIONS

LENGTH O.A.	45,00 m
BEAM	11,80 m
DEPTH	5,10 m
DRAFT EXTREME	3,70 m

TANK CAPACITIES

FUEL OIL	78,40 m³
FRESH WATER	22,60 m³
SEWAGE WATER	8,50 m³
LUBRICATION OIL	5,30 m³
FOAM	8,60 m³

PERFORMANCES

SPEED	12 knots (approx.)
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PROPULSION SYSTEM

MAKE	WARTSILA
MODEL	6L20
POWER	1320 kW @ 1200 rpm
PROPELLER	MMP, 4 blade, fixed pitch
PROP.DIA	1550 mm
BOW THRUSTER	BALINO / 900 mm

ACCOMMODATION

Accommodation for 16 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

FENDERS	Rubber,
DECK CRANE	RED ROCK – 25 tons @ 10m
RESCUE BOAT CRANE	GURDESAN Crane SWL: 12kN @ 5m
RESCUE BOAT	Semi-rigid Inflatable Rescue Boat
CAPSTAN	DATA HIDROLIK / DHC 4500 – 5 tons
ANCHOR WINDLASS	DATA HIDROLIK / DZC 7002

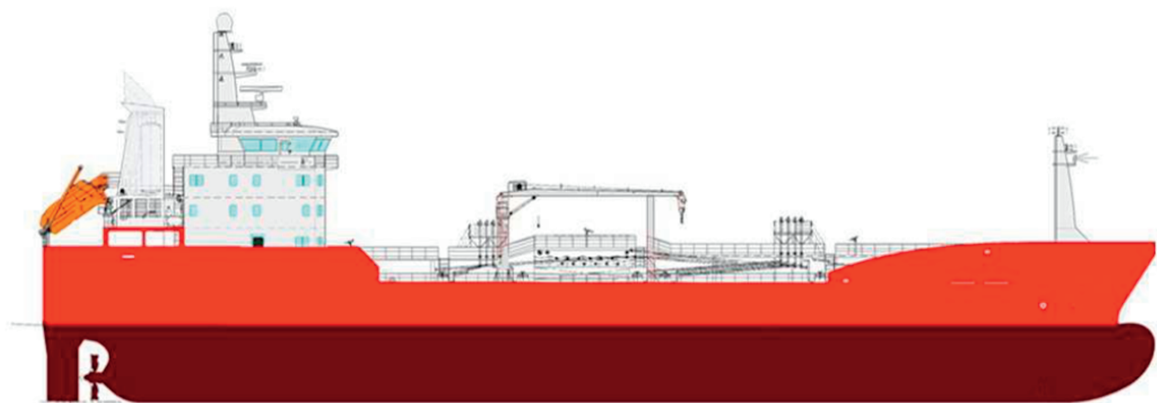
AUXILIARY EQUIPMENT

AUX. GENERATOR	3 x 250 ekW @ 1500 rpm 50Hz
EMERGENCY GENERATOR	1 x 75 ekW @ 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 / hot climate package
FIFI 1 SYSTEM	1 x CATERPILLAR C32 engine driven fi-fi pump, Capacity; 2800 m³/hr. 2 x Foam/water monitor, remote operated

NAUTICAL AND COMMUNICATION EQUIPMENT

BNWAS
X-BAND RADAR
DGPS
MAGNETIC COMPASS
GYRO COMPASS
AUTOPILOT
ECHO SOUNDER & SPEED LOG
ECDIS
VHF RADIO TELEPHONE (2PC)
HAND HELD VHF (3PC)
INMARSAT-C
NAVTEX
AIS
EPIRB & SART

5.300 DWT STST



CHEMICAL TANKER



GENERAL

BASIC FUNCTIONS	Chemical / Oil Tanker
CLASSIFICATION	BUREAU VERITAS I HULL & MACHINERY, OIL CHEMICAL TANKER ESP, UNRESTRICTED NAVIGATION, AUT- UMS, CLEAN SHIP, MON-SHAFT, ICE-CLASS 1A, MANOVR, IMO II, VCS, INWATERSURVEY

MAIN PARTICULARS (approx.)

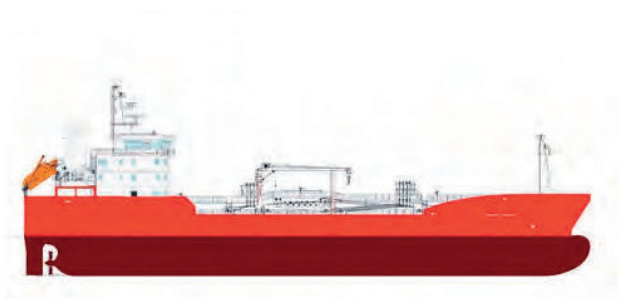
LENGTH OVERALL	99,40 m
LENGTH BETW. PERP.	93,70 m
BREADTH, MLD	17,2 m
DEPTH, MLD	10,50 m
DRAUGHT, DESIGN	6,90 m
DEADWEIGHT	5.300 DWT
SERVICE SPEED	14,1 knots
COMPLEMENT	17

TANK CAPACITIES (approx.)

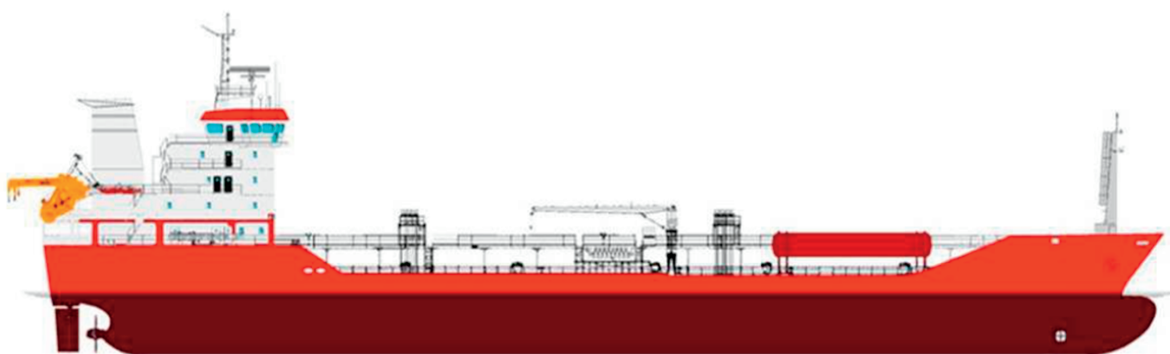
CARGO TANK 1P&STB	1.063,7 cbm
CARGO TANK 2P&STB	1.688 cbm
CARGO TANK 3P&STB	298,7 cbm
CARGO TANK 4P&STB	1.053,3 cbm
CARGO TANK 5P&STB	1.124,2 cbm
CARGO TANK 6P&STB	1.140,7 cbm
TOTAL :	6.368,6 cbm
MAX. CARGO DENSITY	1,86 t/cbm

MACHINERY

MAIN ENGINE	MAN 8L32/40
POWER / RPM	4000 kW at 750 rpm
SPECIFIC FUEL CONSUMPTION	abt. 42700 kj/kg
CONTROLLABLE PITCH PROPELLER	abt. 134 rpm
BOW THRUSTER (kW)	390 kW
POWER SUPPLY DIESEL GENERATORS	3X585 kW
EMERGENCY DIESEL GENERATOR	130 kW
SHAFT ALTERNATOR	abt. 1420 kVA
VOLTAGE & FREQUENCY OF VESSEL	440 V & 60 Hz
CARGO PUMPING SYSTEM	12 x abt. 150 m ³ /h Electrically Driven Deepwell Pump CARGO



7.000 DWT



CHEMICAL TANKER

GENERAL

BASIC FUNCTIONS	Chemical / Oil Tanker
CLASSIFICATION	BUREAU VERITAS HULL&MACHINERY, OIL CHEMICAL TANKER ESP, UNRESTRICTED NAVIGATION, AUT-UMS, CLEAN SEA, CLEAN AIR, MON SHAFT, ICE CLASS 1A, IG, USCG, MANOVR, COMF-NOISE, AVM-APS, IMO II, VCSİ INWATERSURVEY

MAIN PARTICULARS (approx.)

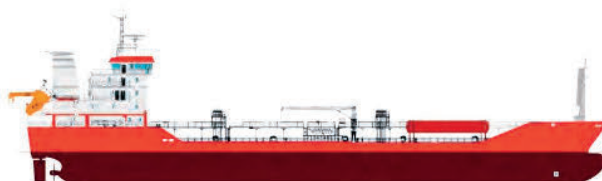
LENGTH OVERALL	119,10 m
LENGTH BETW. PERP.	111,60 m
BREADTH, MLD	16,90 m
DEPTH, MLD	8,40 m
DRAUGHT, DESIGN	6,65 m
DEADWEIGHT	7.000 DWT
SERVICE SPEED	14,5 knots
COMPLEMENT	17+1

TANK CAPACITIES (approx.)

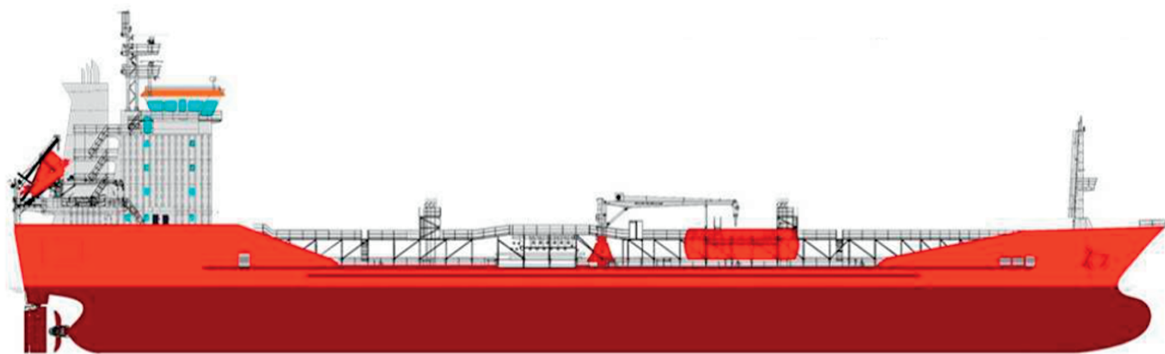
CARGO TANK 1P&STB	424 cbm
CARGO TANK 2P&STB	756 cbm
CARGO TANK 3P&STB	651 cbm
CARGO TANK 4P&STB	805 cbm
CARGO TANK 5P&STB	651 cbm
CARGO TANK 6P&STB	749 cbm
SLOP TANK P	89 cbm
SLOP TANK S	77 cbm
TOTAL:	8238 cbm

MACHINERY

MAIN ENGINE	MAN 8L32/40
POWER / RPM	3840 kW at 720 rpm
SPECIFIC FUEL CONSUMPTION	abt.42700kj/kg
CONTROLLABLE PITCH PROPELLER	abt.145 rpm
BOW THRUSTER (kW)	350 kW
DIESEL GENERATOR	3X485 kW / 1800 rpm
SHAFT GENERATOR	110 kW / 1800 rpm



8.400 DWT



CHEMICAL TANKER

GENERAL

BASIC FUNCTIONS	Chemical / Oil Tanker
CLASSIFICATION	BUREAU VERITAS I ✕ HULL ✕ MACH OIL TANKER ESP, CHEMICAL TANKER ESP UNRESTRICTED NAVIGATION ✕ AVM-APS, ✕ AUT-UMS, MON- SHAFT, CLEANSHIP, ICE CLASS 1A, INWATERSURVEY, VCS, MANOVR, IG

MAIN PARTICULARS (approx.)

LENGTH OVERALL	123,900 m
LENGTH BETW. PERP.	116,267 m
BREADTH, MLD	17,20 m
DEPTH, MLD	9,20 m
DRAUGHT, DESIGN	6,70 m
DEADWEIGHT	8.400 DWT
SERVICE SPEED	14,0 knots
COMPLEMENT	17+1

TANK CAPACITIES (approx.)

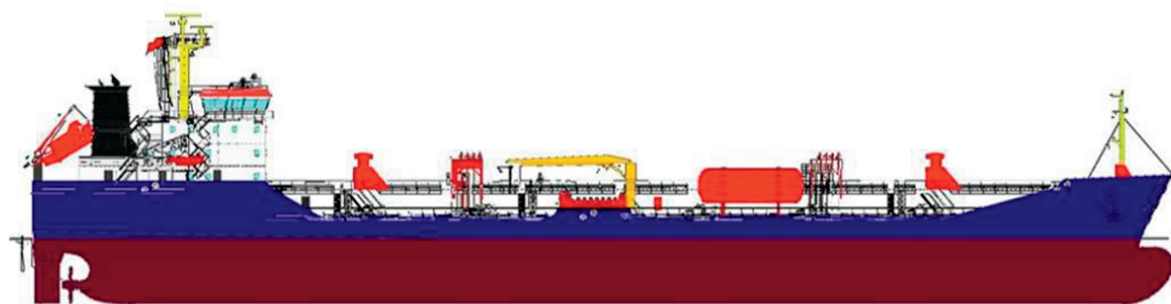
CARGO TANK 1P&STB	1.708,88 cbm
CARGO TANK 2P&STB	1.565,49 cbm
CARGO TANK 3P&STB	1.572,026 cbm
CARGO TANK 4P&STB	1.654,76 cbm
CARGO TANK 5P&STB	1.323,81 cbm
CARGO TANK 6P&STB	1.347,838 cbm
SLOP TANK P&S	187,761 cbm
TOTAL:	9.360,570 cbm

MACHINERY

MAIN ENGINE	MAK/8M32C
POWER / RPM	4000 kW at 600 rpm
SPECIFIC FUEL CONSUMPTION	abt.177g/kWh at 85% output
CONTROLLABLE PITCH PROPELLER	abt.139 rpm
BOW THRUSTER (kW)	430 kW
POWER SUPPLY DIESEL GENERATORS	585kW at 1800 rpm
EMERGENCY DIESEL GENERATOR	1400 kW
SHAFT GENERATOR	585kW at 1800 rpm
VOLTAGE & FREQUENCY OF VESSEL	440 V- 60 Hz
CARGO PUMPING SYSTEM	Hydraulic Deepwell Cargo Pump



11.240 DWT



CHEMICAL TANKER

GENERAL

BASIC FUNCTIONS	Chemical / Oil Tanker
CLASSIFICATION	BUREAU VERITAS OIL AND CHEMICAL TANKER ESP, IMO TYPE II, UNRESTRICTED NAVIGATION, ICE 1A, CLEAN SEA, CLEAN AIR, AUT-UMS, AVM-APS, IG, MON- SHAFT, INWATERSURVEY, CARGO CONTROL, VCS

MAIN PARTICULARS (approx.)

LENGTH OVERALL	129,85 m
LENGTH BETW. PERP.	124,65 m
BREADTH, MLD	19,80 m
DEPTH, MLD	9,95 m
DRAUGHT, DESIGN	7,45 m
DEADWEIGHT	11.240 DWT
SERVICE SPEED	13,0 knots
COMPLEMENT	16+1

TANK CAPACITIES (approx.)

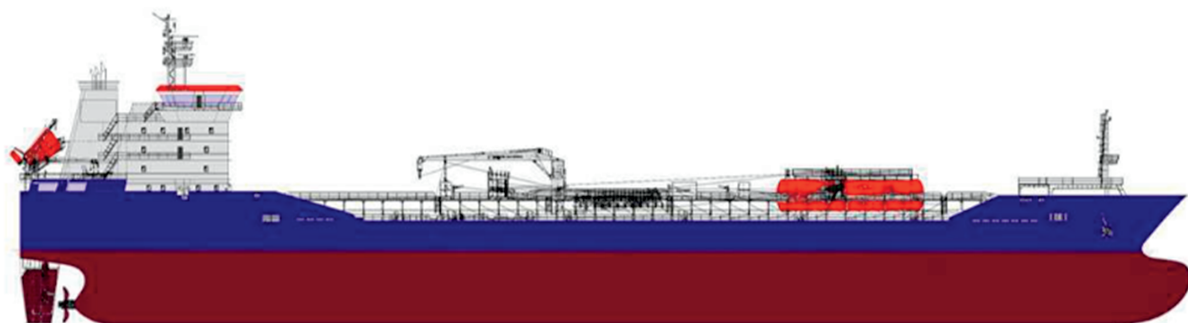
CARGO TANK 1P&STB	1.490cbm
CARGO TANK 2P&STB	1.779cbm
CARGO TANK 3P&STB	1.845cbm
CARGO TANK 4P&STB	1.843cbm
CARGO TANK 5P&STB	1.844cbm
CARGO TANK 6P&STB	1.839cbm
CARGO TANK 7P&STB	1.633cbm
SLOP TANK P&S	247cbm
TOTAL:	12.520cbm

MACHINERY

MAIN ENGINE	MAK/9M32C
POWER / RPM	4500 kW at 600 rpm
SPECIFIC FUEL CONSUMPTION	abt.177g/kWh at 85% output
CONTROLLABLE PITCH PROPELLER	abt.155 rpm
BOW THRUSTER (KW)	500 kW
DIESEL GENERATORS	590kW at 1800 rpm
EMERGENCY GENERATOR	150kW at 1800 rpm
SHAFT GENERATOR	1500kW at 1800 rpm
VOLTAGE & FREQUENCY OF VESSEL	440 V- 60 Hz
CARGO PUMPING SYSTEM	14 FRAMO Cargo pumps at 335 m3/hr each



25.000 DWT



CHEMICAL TANKER

GENERAL

BASIC FUNCTIONS	Chemical / Oil Tanker
CLASSIFICATION	BUREAU VERITAS I✠HULL ✠MACH OIL TANKER CSR ESP, CHEMICAL TANKER ESP UNRESTRICTED NAVIGATION ETA, ✠AUT-UMS, MON-SHAFT, CLEANSHIP 1, ICE CLASS IA, INWATERSURVEY, VCS, MONOVR, IG

MAIN PARTICULARS (approx.)

LENGTH OVERALL	169,90 m
LENGTH BETW. PERP.	159,08 m
BREADTH, MLD	25,40 m
DEPTH, MLD	14,90 m
DRAUGHT, DESIGN	10,90 m
DEADWEIGHT	25.000 DWT
SERVICE SPEED	14,0 knots
COMPLEMENT	25+1

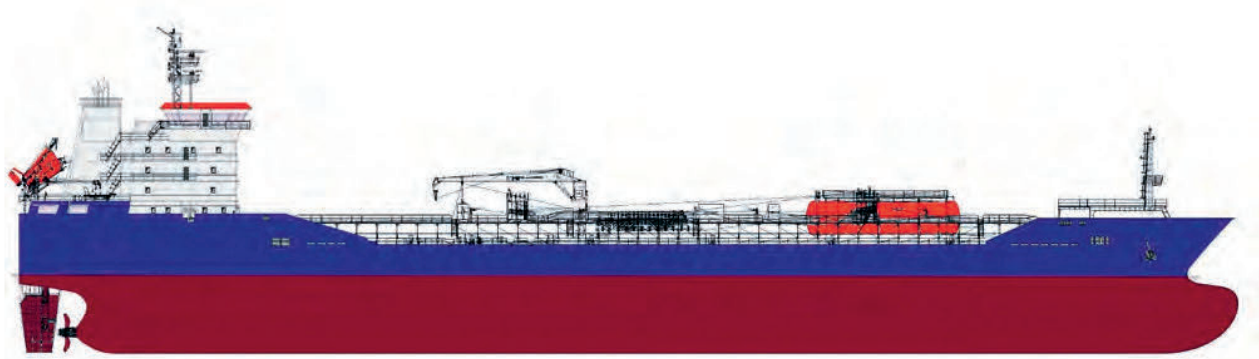
TANK CAPACITIES (approx.)

CARGO TANK 1P&STB	3.956,593 cbm
CARGO TANK 2P&STB	4.548,529 cbm
CARGO TANK 3P&STB	4.851,398 cbm
CARGO TANK 4P&STB	4.859,279 cbm
CARGO TANK 5P&STB	4.853,253 cbm
CARGO TANK 6P&STB	2.390,917 cbm
CARGO TANK 7P&STB	4.930,354 cbm
SLOP TANK P&S	630,035 cbm
TOTAL:	31.014,40 cbm



MACHINERY

MAIN ENGINE	MAK8M43C
POWER / RPM	7200 kW at 500 rpm
SPECIFIC FUEL CONSUMPTION	abt.175g/kWh at 85% output
BOW THRUSTER (kW)	750 KW
POWER SUPPLY DIESEL GENERATORS	1025kW at 900 rpm
EMERGENCY DIESEL GENERATOR	200kW at 1800 rpm
SHAFT GENERATOR	1800 Kw
VOLTAGE & FREQUENCY OF VESSEL	450 V - 60 Hz
CARGO PUMPING SYSTEM	Hydraulic Deepwell Cargo Pump



TOWAGE & PILOTAGE



Med Marine is Turkey's leading tugboat operator, providing a broad range of services in towage, pilotage, ship escort and chartering.

Med Marine fleet consist of ASD type and conventional tugs ranging from 30 TBP to 70 TBP.

Med Marine currently operates 14 tugboats and 12 mooring boats at 5 different Ports in Turkey .

Med Marine is a member of European Tug Owners Association since 1997, and a member of BIMCO since 2000 and a member of ISU. In addition, Med Marine was awarded ISO 9001 certification in January 2001 by BV. Moreover, in 2010, ISO 14001:2004 & OHSAS 18001:2007 certificates have been achieved.



BIMCO



Med Marine executes salvage and wreck removal operations all around the world.

Large ropax vessels, tankers, capesize, panamax and various type smaller vessels have been successfully salvaged. Major casualties including large crude oil tankers under fire, sunken tankers and many other complicated cases are among the portfolio.



Med Marine has delivered more than 170 vessels to 35 countries all around the world.

Med Marine continues to expand its delivery range day by day by expanding to different markets.



WORLDWIDE DELIVERIES



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SEA



THE FUTURE...





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Guluc Cengelburnu
Karadeniz- Eregli
Zonguldak- Turkey



IZMIT DILOVASI BRANCH

Dilovası Mevkii, Polisan
Tesisleri, Gebze
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