

MED-A3060 -ICE

TundRA 3000



ROBERT ALLAN LTD.
 MARINE ENGINEERS AND SHIPYARDERS



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 m ³
FRESH WATER	26,60 m ³
SEWAGE WATER	9,40 m ³
GREY WATER	9,40 m ³
OILY WATER	1,90 m ³
LUBRICATION OIL	2,30 m ³
DIESEL EXHAUST FLUID	8,00 m ³

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, 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 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

BOWTHRUSTER	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