SEA THE FUTURE

TundRA 3000

30m 60 TBP
ASD Tugboat
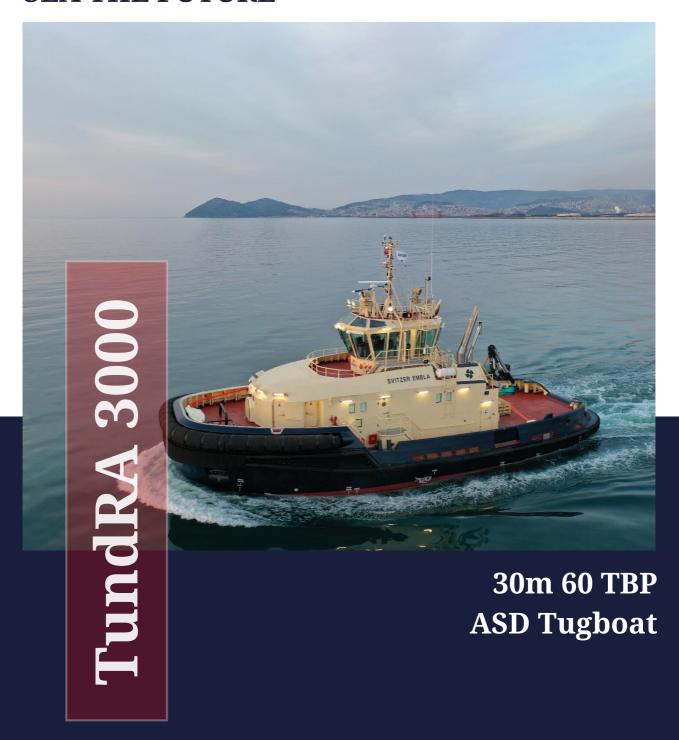
TundRA 3000

DESIGN / BASIC FUNCTIONS

Robert Allan Ltd. / Towing, pushing, escorting, mooring.

CLASSIFICATION

ABS; ⊕A1, Escort Vessel,(E), ⊕AMS, ⊕ACCU, UWILD, Ice Class I A

DIMENSIONS

LENGTH O.A.	30,00 m
BEAM	12,60 m
DEPTH	5,60 m
DRAFT$_{max}$	5,40 m
GROSS TONNAGE	< 500

PERFORMANCES

BOLLARD PULL	60 TBP
SPEED	12,5 knots

TANK CAPACITIES

FUEL OIL	118,2 m^3
FRESH WATER	38,4 m^3
POTABLE WATER	20,8 m^3
SEWAGE	10,1 m^3
GREY WATER	10,1 m^3
OILY WATER	3,8 m^3
SLUDGE	3,8 m^3

ACCOMMODATION

Crew Capacity	6
HVAC (Accommodation)	Central AC unit with ducting to cabins
HVAC (Wheelhouse)	Top-mounted split type A/C units
HVAC (SWB room)	Separate split type A/C unit
ARRANGEMENT	1 x master cabin
	1 x officer cabin
	2 x single crew cabin
	1 x double crew cabin

PROPULSION SYSTEM

TOTAL POWER (**60 TBP**)	5470 BHP high speed diesel marine engines
EMISSION STANDARD	IMO Tier II / IMO Tier III
ASD UNITS	2 x Fixed Pitch propellers
SHAFTING	Carbon fiber shafting

AUXILIARY EQUIPMENT

GENERATOR SET	2 x 99 ekW 1500 rpm 50 Hz
MACHINERY COOLING SYSTEM	Box cooler
AIR-CONDITIONING	A refrigerating plant capable for 100% of the total capacity comprising the following main parts: 2x compressor & 2x condenser

DECK EQUIPMENT

FORE TOWING WINCH	Hydraulically driven double drum escort winch
AFT TOWING HOOK	SWL 70 tons, quick release type
BOW THRUSTER	200 kW tunnel thruster
CAPSTAN	SWL 5 tons, electric driven
FENDERS	Rubber, Cylinder, W and D type fendering

OPTIONAL EQUIPMENT

AFT TOWING WINCH	Hydraulically driven single drum towing winch
DECK CRANE	840 kg at 8,1 m reach

NAVIGATION AND COMMUNICATION EQUIPMENT

Navigation and communication equipment will be provided by FURUNO or JRC, in accordance with GMDSS area 2, including but not limited to:

Searchlight, Radar, DGPS Navigator, AIS Class A, Satellite Compass, Magnetic Compass, Navtex, Sounder, Weather Station, MF/HF Radio Telephone, Inmarsat Mini-C, Sart / EPIRB, Autopilot, BNWAS, Intercom, VHF, Handheld VHF, Batteryless Telephone, Speed Log/Echosounder.

MED MARINE