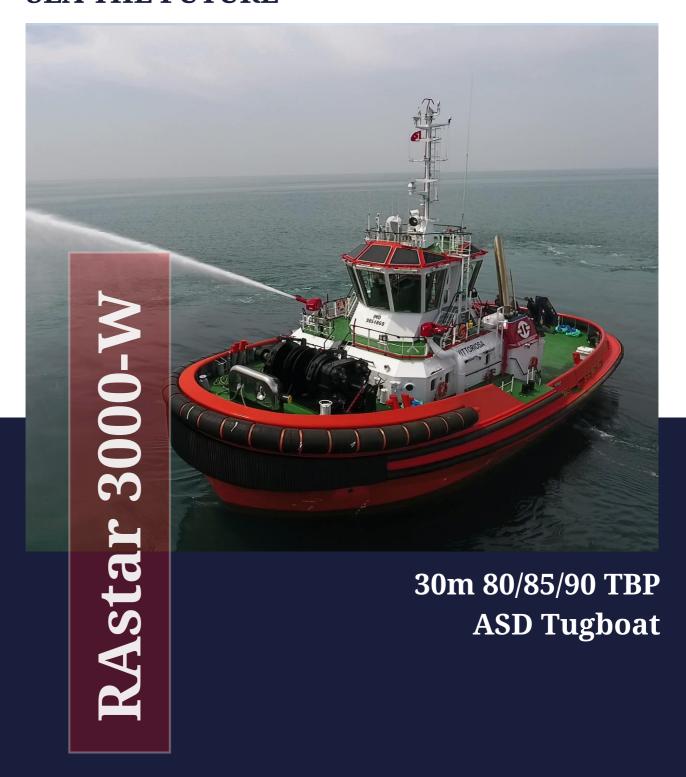


SEA THE FUTURE







RAstar 3000-W



DESIGN / BASIC FUNCTIONS

Robert Allan Ltd. / Towing, pushing, escorting, mooring, fire-fighting.

CLASSIFICATION

I / C ♣ HULL ♣ MACH, ESCORT TUG, FIRE FIGHTING SHIP 1, WATER SPRAYING, UNRESTRIXTED NAVIGATION, AUT-UMS, AUT-PORT, INWATERSURVEY

DIMENSIONS

PERFORMANCES

BOLLARD PULL RANGE 80 - 90 TBP SPEED 12,5 knots

TANK CAPACITIES

FUEL OIL 203,4 m³ FRESH WATER 36,2 m³ POTABLE WATER 18,4 m³ **BLACK WATER** $5,2 \text{ m}^3$ **GREY WATER** 5.2 m^3 3.9 m^3 **OILY WATER SLUDGE** $2,4 \text{ m}^3$ **FOAM** 10,6 m³

ACCOMMODATION

Crew Capacity

HVAC (Accommodation) HVAC (Wheelhouse) HVAC (SWB room) Central AC unit with ducting to cabins Top-mounted split type A/C units Separate split type A/C unit

ARRANGEMENT 1 x master cabin

1 x officer cabin <u>3 x double cre</u>w cabin

PROPULSION SYSTEM

TOTAL POWER (80 TBP) 6300 BHP high speed diesel marine

engines

TOTAL POWER 6770 BHP high speed diesel marine

(85 & 90 TBP) 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 Box cooler

SYSTEM

AIR-CONDITIONING A refrigerating plant capable for

100% of the total capacity comprising

the following main parts: 2x compressor & 2x condenser

FIFI 1 SYSTEM 2 x M/E driven 1350 m³/h FiFi pump

2 x water monitor, remote operated

FIFI 1 SYSTEM (OPT) $1 \times M/E$ driven 2735 m³/h FiFi pump

2 x water monitor, remote operated

DECK EQUIPMENT

FORE TOWING WINCH Hydraulically driven double

drum escort winch

AFT TOWING HOOK SWL 100 tons, quick release type

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.

