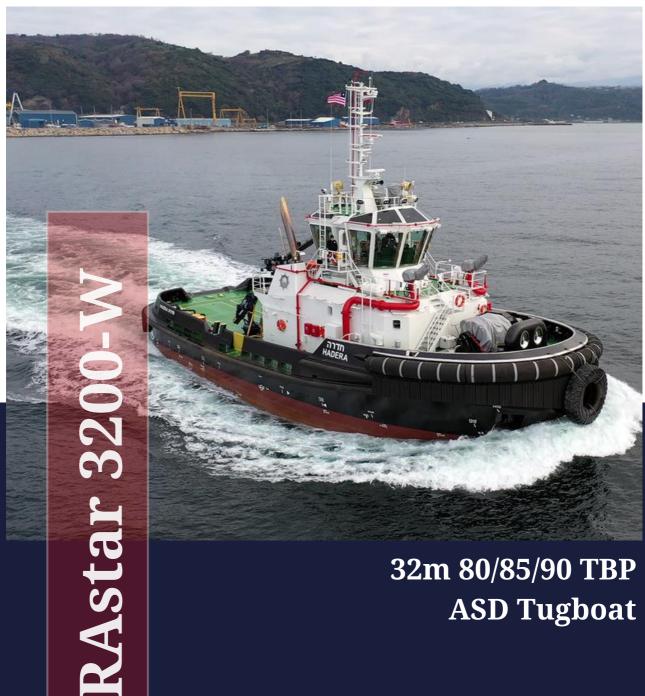


# **SEA THE FUTURE**



32m 80/85/90 TBP **ASD Tugboat** 





# RAstar 3200-W



# **DESIGN / BASIC FUNCTIONS**

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

### **CLASSIFICATION**

I / C & HULL & MACH, AUT-UMS, ESCORT TUG, UNRESTRICTED NAVIGATION, FIREFIGHTING SHIP 1 WITH WATER SPRAYING, INWATERSURVEY

### **DIMENSIONS**

 $\begin{array}{lll} \text{LENGTH O.A.} & 31,80 \text{ m} \\ \text{BEAM} & 13,20 \text{ m} \\ \text{DEPTH} & 5,57 \text{ m} \\ \text{DRAFT}_{\text{max}} & 6,05 \text{ m} \\ \text{GROSS TONNAGE} & < 500 \end{array}$ 

#### **PERFORMANCES**

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

### TANK CAPACITIES

 $\begin{array}{llll} \text{FUEL OIL} & 186,5 \text{ m}^3 \\ \text{FRESH WATER} & 43,8 \text{ m}^3 \\ \text{POTABLE WATER} & 23,4 \text{ m}^3 \\ \text{SEWAGE} & 8,3 \text{ m}^3 \\ \text{OILY WATER} & 5,7 \text{ m}^3 \\ \text{FOAM} & 6,2 \text{ m}^3 \end{array}$ 

# ACCOMMODATION

Crew Capacity 10 (MLC Compliant)

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

4 x double crew 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

TOW PINS SWL 100 tons

STERN ROLLER

DECK CRANE 840 kg at 8,1 m reach

RESCUE BOAT CRANE 12 kN at 5 m

RESCUE BOAT One (1) rescue boat with heavy duty

sea water resistant hull with Solas

Engine 25HP

# 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.

