



**SEA THE FUTURE**



**Rastar 2800**

**28m 75/80/85 TBP  
ASD Tugboat**



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# RAsTar 2800



## DESIGN / BASIC FUNCTIONS

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

## CLASSIFICATION

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

## DIMENSIONS

LENGTH O.A.	28,40 m
BEAM	13,00 m
DEPTH	5,40 m
DRAFT <sub>max</sub>	5,70 m
GROSS TONNAGE	< 500

## PERFORMANCES

BOLLARD PULL RANGE	75 - 85 TBP
SPEED	12,5 knots

## TANK CAPACITIES

FUEL OIL	153,0 m <sup>3</sup>
POTABLE WATER	19,4 m <sup>3</sup>
FRESH WATER	48,9 m <sup>3</sup>
SEWAGE	5,8 m <sup>3</sup>
GREY WATER	5,8 m <sup>3</sup>
OILY WATER	4,0 m <sup>3</sup>
FOAM	7,9 m <sup>3</sup>

## ACCOMMODATION

Crew Capacity	10 (MLC Compliant)
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 4 x double crew cabin

## PROPULSION SYSTEM

TOTAL POWER (75 TBP)	5630 BHP high speed diesel marine engines
TOTAL POWER (80 TBP)	6300 BHP high speed diesel marine engines
TOTAL POWER (85 TBP)	6770 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
FIFI 1 SYSTEM	2 x M/E driven 1350 m <sup>3</sup> /h FiFi pump 2 x water monitor, remote operated
FIFI 1 SYSTEM (OPT)	1 x M/E driven 2735 m <sup>3</sup> /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
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, GPS Receiver, GPS Compass, Doppler Speed Log, Echo Sounder, Navtex Receiver, AIS, MF/HF Radiotelephone, VHF Radiotelephone, Mini-C SSA System, AIS-SART, GMDSS VHF, BNWAS, Magnetic Compass, Talkback System, Batteryless Telephone System, Autopilot.