

TECHNICAL SPECIFICATION OF “ESKORT 80” SERIES (SANMAR ESKORT 80-5)

<u>Type Of Vessel</u>	:CP ASD Tug, with Ship Assist, Anchor Handling, Fi-Fi tug, with Escort capability.
<u>Classification</u>	:ABS+A1, E, Escort Vessel, Towing Service, Oil Recovery Vessel 1, +AMS; ABCU, Fi-Fi 1 Unrestricted service
<u>Designer</u>	:Robert Allan Ltd-CANADA (Ramparts 3200 B Series)
<u>Builder</u>	:Sanmar Denizcilik Makina ve Tic. Ltd.Sti Built 2010
<u>Dimensions</u>	:LOA (Excluding Fenders):32.00 M. Beam (Moulded):12.00M. Depth:5.36M
<u>Main Engines</u>	:2 x Wartsila 8L26 Diesel Engines, 2400kWat 1000 rpm each, Resilient Mounted, Spark arrestor exhaust silencers, Box Cooler Cooled, Preheated, Full Automation, Electronic Governor Controlled.
<u>Gen.Sets</u>	:Lindenberg , 2 x MAN D 2866 LXE, 245kW engine power,120 kW electrical power each, Frant end driving towing winches.
<u>Harbour Gen.Set</u>	:Perkins 4GM Stamford Alternator 40 kVa.
<u>Propulsion Units</u>	:2*Rolls-Royce US 255, CP, with FireFighting System and Engine Load Control pre-programs and Back-up System.
<u>Propellers</u>	:Counter Rotating, 2800 mm diameter, four Bladed Controlable Pitch, CuNiAl.
<u>Bow Thruster</u>	:Mijosundet, Hydraulic operated,Bow thruster driven by stbd main-engine front end pto.
<u>Fire fighting</u>	:Fi-Fi-1 Capacity with Deluge(sprey) System, Water & Foam
<u>Speed</u>	:14 Knots ahead and astern minimum
<u>ForeTowing Winch</u>	:50 Ton Pull, 80 Tons rendering at 19m/min, 200 tons Brake Power. Max. speed is 60m/min at 8 Tons pull. Capable of dynamic self tensioning up to 80 tons for escort operations. Brake Pressure can be adjusted. Tow Rope Tension and Tow Rope lenght indicators. Rope Lenght Alarm.150 meter UHMWPE (Amstel Blue) rope.
<u>Aft Towing Winch</u>	:Double Drum, 40 ton pulling at 21m/min,max speed is 64m/min at 8 Tons.170 tonne brake capacity. Wire Lenght and Wire Tension Indicators. Wire Lenght Alarms.2 x 950 meter certified towing wire with certified sockets.
<u>Tugger Winch</u>	:Karmoy, 10 tons pull tugger winch, remote operated.
<u>Fendering</u>	:Heavily fendered with 800x400 and 500x250 cylindrical fenders on bow and keyhole fenders all around the vessel
<u>Stern Roller</u>	:1 meter diameter, 3 meter lenght, 131 tons SWL.
<u>Tow pins</u>	:Karmoy Flush Towing pins with Karm Fork, remote operated
<u>H-Bitt</u>	:Double H Bitt Type, Stainless Steel coated inside.
<u>Aft Deck</u>	:Apprx 5 ton/Sqm capacity with space for three 20 ft ISO Containers, Cargo Rails, Covered with wood
<u>Communication</u>	:GMDSS A3, (Sailor) and Mini-M, Intercom and SP phone, VHF's remote operated
<u>Navigation</u>	:Two Radars, GPS, Chart Plotter, Heading Sensor Based on DGPS, Magnetic Compass, Auto Pilot, Echo Sounder, (Simrad and Robertson), AIS, Speed Log, Bridge Watch Alarm, General Emergeny Alarm. Switchable fore and aft twin double navigational lights. Heated fore and aft windows, heated straitline wipers (8).
<u>Automation</u>	:Unattended Engine room as per ABS ABCU Rules, Air conditioned Engine Monitoring Room, Remote Alarm panels with LCD Displays in Mess and Chief Engineer Cabin, and Extended operation of gensets and engine alarms from wheelhouse. Remote Start Stop of Engine Room Fans and Fire Pumps and Valves
<u>Life Saving Eqpm.</u>	:2 Liferrafts for 16 person + 12 life jackets + 8 life buoys+2 MOB's+Line Throwers+ pyrotechnics, immersion suits, thermal suits, escape sets, 4 fireman outfits etc. acc. to Solas and ABS
<u>Solas Boat&Crane</u>	:Approved Solas Boat and Solas Crane. Crane has two lines, for the boat and cargo.
<u>Deck Crane</u>	:Palfinger knuckle Boom Crane of 1040 kg pull 10.3 meter outreach and 15 tonmeter moment. Wire Winch with 1.3 tons pull.Certified
<u>Accomodation</u>	:2 cabins for 2 officers, 3 crew cabins for 6 crews, total 8 persons, mess, galley, stores, WC's and shower. Fully outfitted Galley with Stainless steel linings. Galley store with 2 x refrigerators and 2 x deepfreezers.
<u>Air conditioning</u>	:Fully airconditioned by Novenco Hi Press, Temperatures ISO standards and controlled independantly.
<u>Water Maker</u>	:Hro Seafari 1400-2, 221 lt/h

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Oil Recovery

each tank (6)

:Vestjet HRF 440 S.steel pumps in e

Tank Capacities

:Fuel 196m³, FreshWater. 105 m³, Foam 18 m³,Dispersant 18 m³,Oily Water 1.4 m³ , Black Water 1.4 m³ etc.

Others

:Bilge Seperator, Ultra Sep

:Fuel Seperator Westfalia

:Oil Seperator Westfalia with heater

:Water Treatment System-Holland Marine Services (1000litre/day)

:Vacuum Toilet – Jets 15MB-D

:Compressors -2 x Sperre HL2/77

:Fresh Water Ultraviolet Filter System

BOLLARD PULL

:75 tons minimum, 80 tons expected both fore and aft (85 tonnes ahead max.)

PRICE IDEA; TRY EUROS 9,000 MIL.

All the above details are given in good faith and believed to be correct but without guarantee.

They are also subject to modification without notification.

Any interested parties are to verify their correctness by inspecting the vessel.