



IMPRESA
FRATELLI BARRETTA
S.R.L.



TENAX

AZIMUTHING TUG



GENERAL INFORMATION

Class	ABS+A1, E, Escort Vessel, Towing Service, Fi-Fi 1, Oil Recovery Ship 1+AMS; ABCU
Year	2010
Flag	ITALIAN
Port of Registry	BRINDISI (IMO: 9432995)

MAIN DIMENSIONS

Length (L.O.A)	(L.O.A) 32.00 m
Breadth	12.00 m
Draft	5.36 m
Gross Tonnage (G.T.)	(G.T.) 490 GT
Additional Notes	Depth 5.36 m

MACHINERY & PROPULSION

Main Engines	2 x Wartsila 8L26 Diesel Engines, 2400kW at 1000 rpm each. Total installed power 6530 BHP
Propulsion	2 x RollsRoyce US 255 CP Azimuthing Thrusters, controllable pitch propellers in nozzles.
Auxiliary Engines	2 x MAN D 2866 LXE Gen.Sets (245 KWe each), 1 x Perkins port generator (40 kVa).
Bollard Pull	85 Tons (Minimum), 93 Tons (Maximum)
Speed	14 Kn.
Bow Thruster	Bow thruster hydraulic Mijosundet

EQUIPMENT & CAPACITIES

DECK EQUIPMENT

- FORWARD TOWING WINCH: 70 Ton Pull, 85 Tons rendering at 19m/min, 200 tons Brake Power.
- Max speed 60m/min at 8 Tons pull.
- Dynamic auto-tensioning up to 80 tons for escort.
- Length and tension alarm.
- 150m UHMWPE (Amstel Blue) rope.
- AFT TOWING WINCH: Double drum, 40 ton pull at 21m/min, max speed 64m/min at 8 Tons.
- 170 tonne brake.
- Indicators and alarms.
- 2 x 950m certified steel wire.
- TUGGER WINCH: Karmoy, 10 tons pull.
- TOW PINS: Karmoy Flush with Karm Fork, remote control.
- STERN ROLLER: 1m diameter, 3m length, 131 tons SWL.
- CRANE: Palfinger Knuckle Boom Crane 1040 kg pull 10.3m outreach.
- Winch with 1.3 tons pull.

FIREFIGHTING

- Fi-Fi 1 class capacity with Deluge (water spray) system.
- Water & Foam Monitor.

CAPACITIES

- Fuel Oil: 190,080 L.
- Oil Recovery: 101,400 L.
- Fresh Water: 37,000 L.
- Foam/Dispersant: 34,800 L.
- Oily Waters: 1,200 L.
- Waste Oil: 1,100 L.

ACCOMMODATION & MISC

- SAFETY & SALVAGE:
- 3 life rafts for 16 persons each.
- 12 life jackets.
- 8 lifebuoys.
- 2 luminous smoke MOB (Man Over Board) signals.
- Thermal and professional immersion suits.
- 4 complete firefighter outfits.
- 1 SOLAS-approved rescue boat with dedicated SOLAS crane.
- AUXILIARIES & ONBOARD SYSTEMS:
- Fully air-conditioned on all decks (Novenco brand).
- Hro Seafari osmosis watermaker (capacity 221 liters per hour).
- High-capacity oil recovery pump (Vestjet HRF).
- Jets vacuum toilets system.
- Ultra Sep ecological bilge separator.
- High-performance Sperre air compressors.
- UV purification and filtration system for fresh water.

EQUIPMENT & CAPACITIES (CONTINUED)

NAVIGATION / COMMS

- Dual Radar.
- GPS.
- Chart Plotter.
- Heading Sensor DGPS.
- Magnetic Compass.
- Auto Pilot.
- Echo Sounder.
- AIS.
- LRIT.
- Speed Log.
- Bridge Watch Alarm.
- Communication: GMDSS A3 (Sailor) and Mini-M.
- Intercom.
- VHF.