



**IMPRESA
FRATELLI BARRETTA
S.R.L.**



MARIETTA BARRETTA

AZIMUTHING TUG



GENERAL INFORMATION

Class R.I.NA 100 A1.1 STAR
UNRESTRICTED NAVIGATION /
TOWING-SALVAGE / IAQ1 24 / FFQ1

Year 1997

Flag ITALIAN

Port of Registry BRINDISI

MAIN DIMENSIONS

Length (L.O.A) (L.O.A) 34.20 Mt.

Breadth 10.80 Mt.

Draft 4.90 Mt. intubato SCHOTTEL da 340
BHP (4 Tons spinta)

Gross Tonnage (G.T.) (G.T.) 447 Tons

Additional Notes Aft free deck 85 Sqm, max cargo
capacity 90 Tons

MACHINERY & PROPULSION

Main Engines 2 x MAK 9 M 20 diesel engines, each
producing 2,326 BHP at 1000 rpm. Total
installed power 4,652 BHP.

Propulsion 2 x WARTSILA LIPS CS 1500 -
250/1500 MN azimuthing thrusters with
controllable pitch propellers in nozzles.

Auxiliary Engines 2 x MAN D 15062A auxiliary engines
(490 BHP) with STAMFORD alternators
(300 Kwe). 1 x IVECO port generator
(80 Kwe).

Bollard Pull 56 Tons continuous / 58 Tons max

Speed 13.6 Kn.

Bow Thruster 1 x SCHOTTEL electric bow thruster in
nozzle, 340 BHP (4 Tons thrust)

EQUIPMENT & CAPACITIES

DECK EQUIPMENT

- TOWING WINCHES: 1 x ULSTEIN BRATTVAAG low-pressure aft towing winch (50 TONS dynamic, 130 TONS static brake) with divided drum (750m steel wire 48mm and 220m DYNEEMA 68mm).
- 1 x forward combined winch (150m DYNEEMA 68mm).
- Both operable from local control station and wheelhouse with automatic/emergency release.
- TOWING HOOKS: 2 x hydraulic towing hooks 65 Tons S.W.L.
- STERN ROLLER: 3500 mm x 800 mm.
- TOW PINS: KARMOY hydraulic tow pins 60 S.W.L.
- HYDRAULIC CRANE: Lifting 1500 Kg at 10.50m.

FIREFIGHTING

- 2 x FFQ1 R.I.NA. class firefighting systems consisting of:
- 2 x centrifugal pumps connected to Main Engines.
- 2 x remote-controlled water/foam monitors from the wheelhouse.
- 1 x hull and accommodation SELF-PROTECTION water spray system.
- 2 x structural tanks with 24 m³ of A.F.F.F. foam liquid.
- Total capacity: 2800 m³/h of water at 130m distance and 60m height.

CAPACITIES

- Dispersant system (10 m³).
- Gasoil capacity: 232 m³.
- Fresh water capacity: 84 m³.
- Foam capacity: 24 m³.
- Dispersant capacity: 10 m³.
- Rec-Oil capacity: 50 m³.
- Fresh water supply to others: Up to 80 Tons.
- Endurance: 4400 miles or 14 days towing.

ACCOMMODATION & MISC

- RESCUE BOAT: 5.50m RIB with 60 HP outboard motor.
- ACCOMMODATION: Fully air-conditioned: 4 single cabins (private bathroom), 3 double cabins (shared bathroom), galley, mess, provision room, 600 Lt fridge.
- TOWING & SALVAGE EQUIPMENT:
- 2 complete diver equipments.
- Oxy-acetylene welding and cutting gear.
- 3 electric submersible salvage pumps (capacity 400 m³/h).
- 3 rolls of 200m 18 KARAT 88mm ropes.
- 2 steel slings of 55m (diameter 44mm).
- 4 steel towing slings of 30m (diameter 40mm).
- 2 lengths of 46mm chain (60 Tons S.W.L.).
- 6 high-tensile shackles of 80 Tons.
- 5 high-tensile shackles of 55 Tons.
- 1 special towing plate of 60 Tons.

EQUIPMENT & CAPACITIES (CONTINUED)

NAVIGATION / COMMS

- 1 x 'S' band 72 miles FURUNO DAYLIGHT radar.
- 1 x 'X' band 72 miles FURUNO DAYLIGHT radar.
- 2 x 3000 W Xenon Searchlights.
- Autopilot.
- Gyrocompass.
- FURUNO GP50 GPS.
- Echosounder.
- Magnetic compass.
- G.M.D.S.S. console area A1+A2+A3.
- 2 x SAILOR RT 2048 VHF.
- SAILOR T2131/RE2100 MF transceiver.
- FURUNO NX 500 Navtex.
- SAILOR H2095B Inmarsat satellite system.
- FURUNO FA-100 AIS.
- TT-3000 LRIT.
- 2 x RDF.