



specifications

particulars of unit and inventory believed to be correct but subject to change

Port of Registry

Catania number 16 International Register

Call Signal

I B Y F

Flag

Italian

IMO Number

9341251

Year Built

2006

Builder

Cantiere Rossetti Marino SpA - Ravenna (Italy)

Classification

RINA

Class

C*, AH Tug, Salvage Tug, Fire Fighting Ship 1, Water Spraying, Unrestricted Navigation

Rina Registration

82421

Speed

Maximum Speed 14,5 Knots
Service Speed 12 Knots

Dimensions

Length overall 55,40 m
Length b.p. 48,40 m
Breadth mld. 15,50 m
Depth main deck 7,00 m
Design draft 5,20 m
Max operation draft 5,80 m
Draft 6,20 m
Gross Tonnage 1733 tons
Net Tonnage 519 tons

Tonnage - Capacities

Ballast water 140 m³
Fresh Water 150 m³
HFO, incl. settling and service tanks 1250 m³
Fuel oil, incl. service tanks (Marine Gas oil MGO) 250 m³

Deck Cargo 500 T
Cargo deck area 300 m²
Deadweight at max operation draught 5,80 m 1400 T

Navigation Equipment

Radar
• 1 JRC 12ft S Band Model JMA-3392F-SA 120 Nm
• 1 JRC 9ft X Band Model JMA-9922F-6XA 120 Nm
Echo Sounder 1 JRC JFE 582
Gyro Compass 2 Plath Navigat X MK2
Auto Pilot 1 Plath Navipilot V/HSC-G
Radio Telephone 1 Skanti TRP 1250S
VHF
2 Skanti VHF 1000 DSC
Mobile VHF 4 Motorola Mod. GP 340
Mobile VHF/GMDSS 3 Sailor Mod. Sp. 3300
GPS 2 x GPS JRC NWZ 4570
EPIRB Jotron Tron 40S
SART 2 Rescue SART 9.2-9.5 GHz - Serpe-lesm
Navitex JRC NCR 333
Inmarsat
• SES Standard "C" Thrane & Thrane Mod. TT 3020C
Sat Phone
• SES Standard "F" (Fleet 77) Thrane & Thrane Mod. 3084A.
Mobile phone GSM
GMDSS Station A1 + A2 + A3
Joystick Poscon (Rolls Royce)

Deck & Towing Equipment

Towing Winch
• 1 Brattvag double Drum Towing/AH winch
• Waterfall Type SL120W / BSL120W
Cable lifters
• 2 for 3" rig chains on port side and starboard side outside the AH Drum
Drums 1 x Winches
Drums Capacity Steel Rope Ø 64mm x 1200mt
Control RRM Towcon system from wheel and local
Stern Roller 1 Dimension 3,00mt x 2,00mt Ø
Capstans 2 Hydraulic
Work Boat 1 Rescue boat Norsafe Type
Tow Wire
• 1 x 1200 mt x 64 mm on tow winch
• 1 x 1200 mt x 64 mm in drum on upper deck
• 1 x 1200 mt x 64 mm in drum in store
Tow pins 2
Karm Forks 2
Tugger Winches 2

Pop up Pins 2
Brake holding load
• 300 Tons on towing Drum's 1 Layer
• 300 Tons on AH Drum's 1 Layer

Machinery

Main Engines
• 2 Wartsila 8L32 Diesel 4000kW each at 750 rpm
HFO IF380cst
Bollard Pull 152,76 tons certified
BHP 10.880 BHP
Propellers
• 2 RPM Ulstein Propeller Plant Diam. 3600 mm, 4 Blades Flap type
Rudders
Bow Thruster
• 2 RRM propulsion Tunnel Thruster TT1300 DPN 350 kW each electric driven
Generators
• 2 Shaft Marelli MJR 400 LB4 1250 KVA each
• 2 Volvo Penta D12D-A KC/HC.M534C1, 438 KVA each
• 1 Volvo Penta TAMD 74A-KC/UC.M274H1, 205 KVA
• 1 Volvo Penta D5A T RC/UC.M274C1, 85 KVA
Voltage current Able to supply 440V/60Hz

Boilers, Steam & Gas Generators

MGO fired heater
- 2 with 300 kW Heating capacity 14m³h thermal oil flow
Exhaust gas economiser
- 2 with 300 kW Heating capacity 14m³h thermal oil flow

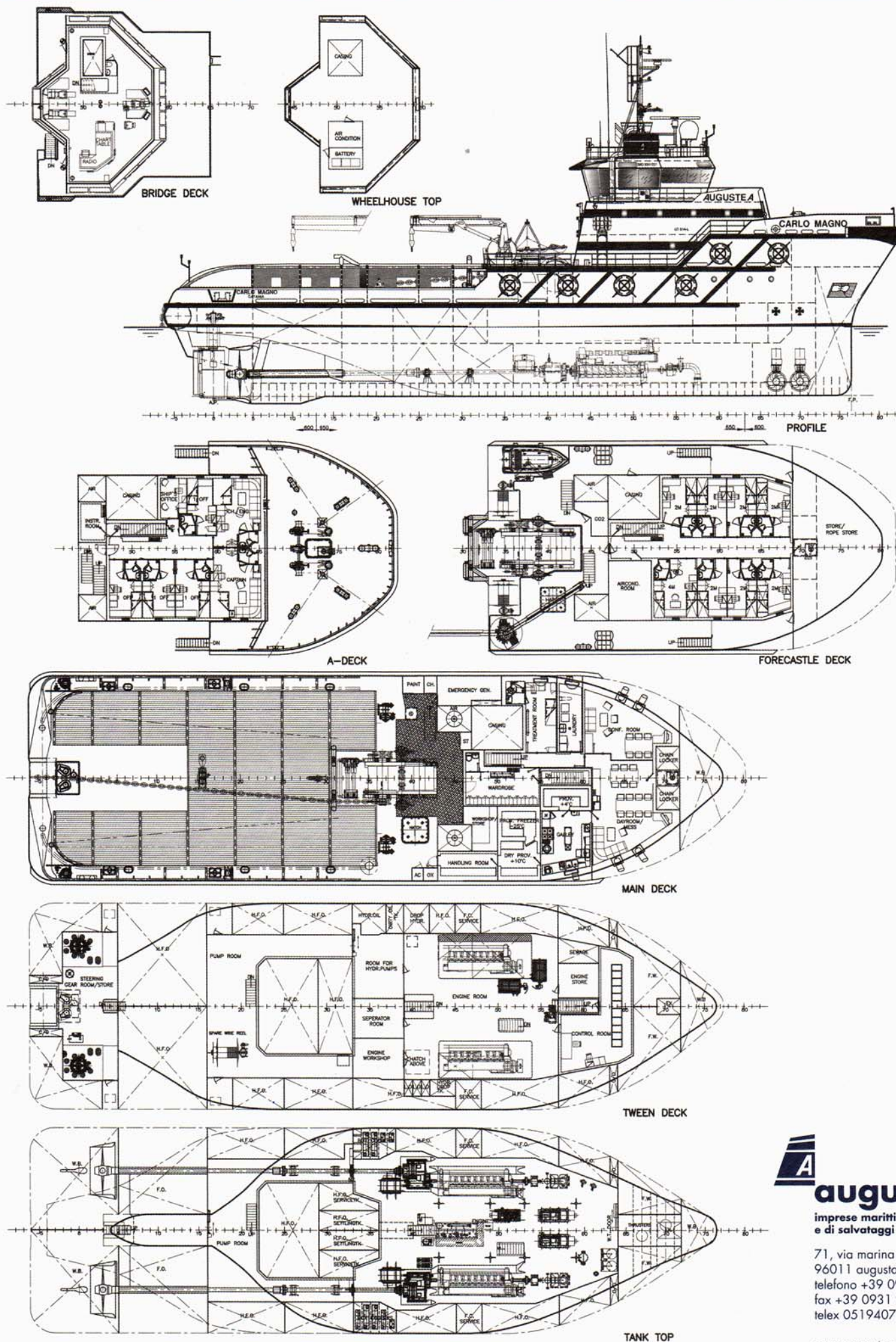
Additional Equipment

1 Provision room
2 Frigorifics
3 Cold Stores
4 Liferatt for total number 100 persons
1 Deck crane of 2,5T at 16 m.

Accommodation

Total 24 comfortable berths fully airconditioned
6 single cabins for officers
7 double cabins for crew
1 quadruple cabin for crew
Cabin current 220 V

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