



Roberto Forti

Shipbrokers & Marine Consultant

Atlantida



CLASSIFICATION

Lloyd's Register 100 A1 Passengers and Vehicle Ferry,*IWS, LMC,

UMS, PCAC 33

Descriptive Note: Ship Right (SCM)

PRINCIPAL PARTICULARS

LENGTH OVER ALL	97,53 m
LENGTH BETWEEN PP	86,66 m
BREADTH MOULDED	18,00 m
DEPTH TO MAIN DECK	7,00 m
DESIGN DRAWING	5,00 m
DISPLACEMENT AT 5.0 m	4 810 t.
SPEED (85% MCR)	17,00 Knt
SPEED (100% MCR)	17,70 Knt
DAILY DIESEL CONSUMPTION	29,00t.
GT (<i>Gross Tonnage</i>)	7025
NT (<i>Net Tonnage</i>)	2108
DWT	630t.
AUTONOMY	220h

TANKS CAPACITY

Diesel	331 m ³
Lub. Oil	49m ³

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FYP s.r.l.

P.I & C.F: 01635610494~ Ruolo Mediatori Marittimi di Livorno n° 224 - 227

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Fresh Water 156 m³
Ballast Water 318 m³
Others 192 m³

PASSENGERS

Contractual Capacity 750 (pax.)

CARGO CAPACITY

Cars 125
Bus 8
Cars + Bus 107+8

2 AZIMUTH PROPULSORS

Type SP 35 CRP
Manufacture: Steerprop

Propellers Diameter: 3200/2550 mm

N° of Blades: 3/4

Prime Mover Power Rating: 3000Kw @ 1250 rpm

Type of Prime Mover: Electric Motor

Propeller Speed: 174 rpm

2 PROPULSION ELECTRICAL MOTORS

Type: 1RN45606HM90-Z

Manufacture: SIEMENS

Rated Power: 3000 Kw

Rated Voltage: 3x690 V

Speed Range: 0-1200 rpm

Cooling: Water Cooling

2 CONVERTERS

Type: 6SE71

Manufacture: SIEMENS

Power: 3000 Kw

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Voltage: 3x 690 V

Cooling: Water Cooling

2 Propulsion Transformers

Type: TNT8FS 3M6/N

Manufacture: SIEMENS

Power: 3600 KVA

Voltage: 3x 690 V

Cooling: Water Cooling

1 Propulsion Switchboard

Manufacture: SIEMENS

Voltage: 3x 690 V

MAIN GENERATORS

2 Diesel Engines: Type: 16 VDZC

Manufacture: ABC

Nominal Power: 3553 KW

RPM: 1000

Consumption: 193 g/Kwh

2 Alternators: Type: 1FJ3804-6SB22

Manufacture: SIEMENS

Power: 4200 KVA

Voltage: 3x 690 V

Cooling: Water Cooling

RPM: 1000

2 Diesel Engines:

Type: 8VDZC

Manufacture: ABC

Nominal Power: 1766 KW

RPM: 1000

Consumption: 193 g/Kwh

2 Alternators: Type: 1FJ3711-6SB22

Manufacture: SIEMENS

Power: 2100 KVA

Voltage: 3x 690 V 4

Cooling: Water Cooling

RPM: 1000

EMERGENCY GENERATOR

1 Diesel Engine:

Manufacture: Lindenberg

Type: MAND2840LE203

Power: 495 KW

RPM: 1500

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1 Alternator:

Manufacture: Leroy Somer

Type: LSAM 47.2 L 9

Power: 525 kVA

RPM: 1500

AUTOMATION

1 Automation and VCR Integrated System

Manufacture: DANCOS

BOWTHRUSTERS

2 Bowthrusters:

Manufacture: JASTRAM

Type: BU100

Power: 600KW at 1000 rpm (each)

2 Electrical Motors:

Manufacture: SIEMENS

Type: 1LH8451-6PM88-Z

Power: 600 kw (each)

STABILIZERS 2 Fine Stabilizers

Manufacture: ROLLS ROYCE

Type: Aquarios 50

BOILLERS 2 Hot water boilers

Manufacture: Konutherm

Type: KOVE 0,315/50

Net heating capacity: 2x350 KW

Hotwater inlet/outlet: 80/140 °C

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SEWAGE TREATMENT PLANT

1 Sewage Treatment Plant

Manufacture: EVAC

Type: MSP VII C

Loading: 60 m³/Day

FRESH WATER GENERATOR

1 Fresh Water Generator

Manufacture: AQUAMAR

Type: AQE-30

Capacity: 25000 l/Day

OILY WATER SEPARATOR

1 Oily Water Separator

Manufacture: DVZ

Type: DVZ 2500 FSU-OILMASTER

Capacity: 2,5 m³/h

INCINERATOR

1 Solid Waste & Sludge Oil Incinerator

Manufacture: DEERBERG

Type: IRL 50

Capacity: 500000Kcal/h

PURIFIERS MODULES

3 Purifiers (1 for MDO, 1 for LO and 1 for MDO or LO)

Manufacture: ALFA LAVAL

Type: PU 100

Capacity: 1850 l/h, 860 l/h and 1850/860 l/h

ANTI-HEELING

Manufacture: HOOPE

Type: H250/250-2,0

Capacity: 200 m³/h

DECK MACHINERY

MOORING EQUIPMENT

3 Anchor 2850 Kg (each)

2 Chains whit 550 m (each), diam.42mm, quality U3

2 Comb. Anchors and Single-Drum Mooring Winches (FW) HATLAPA

2 Single-Drum Mooring Winches (AW) "HATLAPA"

EQUIPMENT FOR PASSENGERS, CREW AND PROVISIONS

1 Passengers Lift "ENOR", 750Kg Cargo Load / 10 Persons

1 Cargo Lift for Crew and Provisions "ENOR", 750Kg Cargo Load / 10 Persons

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1 Dumwaiter "ENOR", 50Kg Cargo Load
1 Escalator "ENOR", between Deck 3 and Deck 5

NAVIGATION EQUIPMENT

1 Voyage Data Recorder "FURUNO"
2 Arpa Radar "FURUNO": 1 – Band X – 25 KW
1 – Band S – 30 KW
1 AIS (*Automatic Identification System*) "FURUNO"
2 DGPS (*Differential Global Positioning System*) "FURUNO"
1 Gyrocompass with Repeaters "RAYTHEON – ANSCHÜTZ":
1 Magnetic Compass "REFLECTA 1"
1 Automatic Pilot "RAYTHEON – ANSCHÜTZ"
1 Echo Souder "FURUNO" with 2 Transducers
1 Speed Log "FURUNO"
1 ECDIS (*Electronic Chart Display System*) "FURUNO"
1 *Fac-Simile* e NAVTEX "FURUNO"
1 Meteorological Station "OBSERVATOR"
1 Integrated Navigation System "FURUNO"
1 DP System (Dinamic Posissioning) "PRAXIS"

RADIO EQUIPMENT

1 Radio Console GMDSS (*Global Maritime Distress Safety System*) "SAILOR" A1, A2 e A3
2 Radar Transponder SART II "SAILOR"
1 EPIRB COSPAS/SARSAT
1 EPIRB COSPAS/SARSAT with Manual System
1 INMARSAT Fleet 77 "THRANE & THRANE"
1 Ship Security Alert System (SSA) "SAILOR"

INTERNAL COMUNICATIONS

1 Automatic Telephone System "ZENITEL"
1 Sound Power Telephone System "ZENITEL"
1 Talk Back System "ZENITEL"
1 Public Address System "ZENITEL"

ENTERTAINMENT EQUIPMENT

1 Satellite TV System
1 Computer net System

CCTV SYSTEM

1 Surveillance CCTV monitoring System

17 TV Cameras on Machinery Rooms
16 TV Cameras on Garage
55 TV Cameras on Public Spaces

LIFE SAVING EQUIPMENT

3 Life Boats	"Hatecke"	PS/SB	150 persons each
1 Life Boat/Tender	"Hatecke"	SB	150/90 persons
4 Life Rafts	"Viking"	PS/SB	100 persons each
2 Evacuation Sleeve	"Viking"	PS/SB	
1 Rescue Boat	"Hatecke"	SB	
1 Fast Rescue Boat	"Hatecke"	PS	

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FIRE DETECTION

1 Integrated Fire Detection System

Manufacture: TYCO
Type: T2000

FIRE FIGHTING SYSTEMS

Accommodations Areas:

- Fire and Deck Washing System
- Hi-Fog System
- Portable Extinguishers

Machinery Spaces:

- Fire and Deck Washing System
- Hi-Fog System
- Local Application System - *HI-FOG*
- Portable Extinguishers

Garage:

- Fire and Deck Washing System
- Drencher System
- Portable Extinguishers



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