

# Characteristics of the vessel:

## GENERAL

Type of vessel:	RO-RO Passengers
Construction:	Estaleiros Navais de Viana do Castelo, S.A. (C237) - 2002
Flag:	Portuguese
Port of registry:	Madeira
Call sign:	CQTW
Class:	DNV-GL 100 A5 / Passenger ship RO-RO ship DG
Setting of the keel:	28/01/2002
Inaugural trip:	04/06/2003
N° IMO:	9267390

## DIMENSIONS

Length out to out:	112 mts
Length between perpendiculars:	99,59 mts
Mouth in the bone:	20 mts
Depth (freeboard):	7 mts
Maximum draught:	5 mts
Gross tonnage:	8072 t
Net tonnage:	2421 t
Shipping:	1590 t
Passenger and cargo capacity:	1153 (16 Crew+ Hotel Staff) + 145 cars

## PROPULSION

Max.speed:	100% - 21,426 knots
Power of the main machines:	2 x 8 000 KW = 16 000 KW
Propulsion system:	2 Diesel Caterpillar / Tipo MAK16M32C
Power:	2 x 8000 KW - 750rpm
Generators:	2 Diesel Volvo Penta D49AMS + 1 Mitsubishi / 3 x 1110KW - 1500rpm
Emergency generator:	1 Volvo Penta - TAMD165A
Bowthruster:	1 x Lips 500 Kw
Stabilizers:	2 Rolls Royce
Consumption:	2 ton/hour
Maximum speed / service:	21,0 knots/ 18,5 knots
1 Stern ramp:	TTS

## GARAGE

Superior:	2,2
Main:	4,5

## INTERIORS

Cabins:	Decon
Carpets:	Wilton / Victoria
Elevators:	Tyssen - Greece
Lighting:	Osram
Locks:	Assa
Toilet vacuum system:	Evac

## FIXED EQUIPMENT

Air conditioning:	Carrier
Stabilizers:	Rolls-Royce
Hospitality:	Aluminox
Painting scheme:	Hempel
Generating set:	Volvo
Main machines:	Mak - Caterpillar
Gearboxes:	Flender
Wastewater treatment:	Evac
Incinerator:	Teamtec
Bow thruster:	Lips / Wartsila
Anti-adornment system:	Framo
Automation and control:	Noris
Rudder Machines:	MPC / Hatlapa
Loading equipment and side doors:	TTS
Watertight bulkhead doors:	Schoenrock Hydraulik
Internal phones:	Zenitel
Sound communication system with the public:	Stento
TV surveillance system:	Bosch / Hernis

## NAVIGATION AND COMMUNICATION

RADAR/ARPAS, GPS, AIS, VDR, NAVTEX, FACSIMILE:	Furuno
Compass turn / autopilot:	Plath
GMDSS:	Skanti

## RESCUE AND FIREFIGHTING

Lifeboats/ rescue boats:	Ernst Hatecke
Inflatable raft:	DSB
Pyrotechnics:	Comet
Portable emergency radios:	Jotron
Beacon radios:	Jotron
Fire detection system:	Servoteknikk
Sprinkler/Drencher:	Minimax
CO2 System:	Unitor
Portable fire extinguishers:	Minimax
Fire hose coupling type:	Storz C
Self-contained breathing apparatus:	Dräger
Firefighter's clothing:	Flameguard