

80 CARS RO-RO PASSENGER FERRY

General

Design	Artı Mühendislik
Type of Vessel	Ro-Ro Passenger Ship
Scantling	acc. to TL Rules

Class Notation

Turkish Lloyd + 1 A5 + RO-RO Passenger Ship Class D

Speed	12.5 knots at 75% MCR
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Main Dimensions

Length Overall	abt. 73.20 m
Length WL	abt. 71.10 m
Length BP	abt. 55.10 m
Breadth Moulded	abt. 18.00 m
Depth Moulded	abt. 4.40 m
Draft	abt. 3.00 m

Passenger / Car Capacities

Deck	Main
Free Height	4.50 m
Car Capacity	80 cars
Truck Capacity	12 trucks
Total Passenger Capacity	600 passengers
Cafeteria	322 passengers
Port Intermediate Longue	32 passengers
Starboard Intermediate Longue	40 passengers
Open Decks	202 passengers

Deck's Machinery

- (2) Hyd. anchor windlass
 - (4) Hyd. capstan mooring windlass
 - (2) Rescue boat cranes
 - (2) Hyd. operated ramps
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LSA Equipment

- (2) Rescue Boat
 - (4) 50 people life rafts
 - (650) Life vests
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Engine Plants

Main engines

Make	(4) Mitsubishi
Type	S6R2-MPTA
Effect, kW each	568
Rpm	1500

Gensets

Make	Volvo Penta
Type	D5A-T HE/AUX
Effect, kW each	77
Rpm	1500

Propellers

Make	(2) Voith Schneider
Type	18 RS-EC/150-1
Diameter	1.8 m
Rpm	117

Navigation & Communication (Furuno)

- (2) X-band radars
 - (1) Gyro
 - (2) Magnetic Compass
 - (1) Autopilot
 - Echo sounder, speed log, navtex
 - (2) VHF's
 - (3) GMDSS hand VHF's
 - (2) GPS/DGPS
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Accommodation

- (1) Captain's cabin
 - (1) Chief Engineer's cabin
 - (2) Officer's cabin
 - (2) Dual crew cabin
 - (2) Mess Room
- All with private toilets/showers
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Fire Fighting System

- CO2 fire extinguishing for E/R
- Local Application system for E/R
- Passenger & Crew sprinkler system
- Garage deck drencher system