



mv MISANA

Finnish flag, built by J.J. Sietas KG Schiffswerft GmbH u. Co., Germany 2007
 DNV GL +100 A5 E4 "Ro-Ro ship" "Equipped for carriage of containers" "Environmental Passport" "Ballast Water Management" "NAV-OC" "SOLAS II-2, Reg. 19" MC E4 Aut.
 Finnish/Swedish ice class 1A Super, Call sign OJNB, IMO no. 9348936

Principal dimensions

Lenght over all	165,75 m
Breadth moulded	23,40 m
Draft summer	7,26 m

Tonnages

DWT on 7,26 m draft	11.407
GT London rules 1969	15.586
NT London rules 1969	4.676

Tank capacities

Fuel oil	1.030 m ³
MGO	76 m ³
Water ballast	6.700 m ³

Roro capacity

	Area	Lane meter	Max load
Weather deck	2.610 m ²	859 m	2,5 t/m ²
Main deck	2.554 m ²	820 m	5,0 t/m ²
Lower hold	1.516 m ²	476 m	8,0 t/m ²
Total	6.680 m²	2.155 m	

	Volume	Deck height
"Garage"	2.546 m ³	4,60 m
Main deck	12.771 m ³	5,00 m
Lower hold	7.583 m ³	5,00 m
Total	22.900 m³	

"Garage" = fully covered area under accommodation

Container capacity on deck and reefer plugs

484 TEU or 242 FEU
 Stack load on deck 40/60 t per 20'/40' stack
 The vessel can also load 30'/45' and pallet wide (2.500 mm) containers
 48 reefer plugs on main deck and weather deck
 Reefer plugs 4 pole, 380/440 V, 50/60 Hz, 32 A

Cargo handling equipment

Stern ramp 13,00 m x 21,00 m (LxB), total load 200 t
 Fixed ramp main deck - tank top, slope <8°
 Fixed ramp main deck - weather deck, slope <7°
 Hydraulic door in front of "garage" 13,75 m x 5,00 m
 Air drying plant for cargo holds

Accommodation for drivers

Accommodation for 12 drivers in 6 cabins

Machinery

Main engine 2 x Wärtsilä 6L46F, totally 15.000 kW with WET-PAC-system for NOx reduction
 Aux. engines 3 x 320 kW
 Shaft generator 2.200 kW
 Bow thruster 1.100 kW
 Stern thruster 600 kW
 Anti-heeling system
 Fin stabilizer plant

Speed and consumption per day

Service speed abt 19 knots on abt 50 t fuel oil
 Outside ECA vessel consuming IF380, inside ECA vessel consuming MGO/MDO or ULSFO
 Harbour consumption abt 2 t MGO

Typical cargo cases

Paper: 3.000 mt paper in lower hold + 7.300 mt paper on main deck + 600 mt bunker

Paper + containers: 3.000 mt paper in lower hold + 5.700 mt paper on main deck + 1.600 mt containers on weather deck (abt 64 pcs) + 600 mt bunker

Paper + trailers + containers: 3.000 mt paper in lower hold + 1.375 mt trailers on main deck (abt 55 pcs) + 2.800 mt containers on weather deck (abt 112 pcs) + 600 mt bunker

Please note that above cases are given as examples only. Actual maximum cargo for a specific voyage is always subject to exact cargo specification, vessel's trim and stability, port restrictions etc.

mv Misana

