

M/V Estraden

Finnish flag, Ro-Ro cargo ship, built by Aker Finnyards 1999, Lloyds Register of Shipping, ISM Certified 2004, ISO 14001 Certified 2004, Finnish Ice Class 1A, Call sign OJIL, Hull no. 423, IMO no. 9181077



Principal dimensions

Length over all	162.70 m
Breadth moulded	25.70 m
Draught max	6.60 m

Tonnage

Gross tonnage (GT)	18 205
Net tonnage (NT)	5 462
Deadweight (DWT)	9 700 t

Tank capacities

HFO/MGO	960.9 m ³
MGO	150.7 m ³
Water ballast	3 410.5 m ³
Anti-heeling	1 437.4 m ³

Ro-Ro capacity

Cargo Hold Capacity	Area	Lane meter
Lower hold (ex. Ramp)	abt 1 050 m ²	abt 360 m
Main deck	abt 2 900 m ²	abt 950 m
Weather deck	abt 2 650 m ²	abt 960 m
Hoistable car deck under accommodation area	abt 490 m ²	
Total	abt 7 090 m²	abt 2 270 m

Free deck height

Lower hold	4.70 m
Main deck (except under upper ramp)	7.20 m
Weather deck (under superstructure)	4.60 m

Cargo hold volumes

Lower hold	4 950 cbm
Main deck	20 800 cbm
Total	25 750 cbm

Uniform load

Tank top	5.0 t/m ²
Main deck	5.0 t/m ²
Upper deck	2.0 t/m ²

Container capacity on weather deck 363 TEU

Ramps

Stern ramp by MacGregor:	14.5 x 20,0 (LxB) max load 120 t
Main deck to lower hold:	fixed ramp
Main deck to weather deck:	hoistable ramp 62.2 x 4.50 (LxB) max load:
	140 t

Cargo hold ventilation

In port:	30 changes/h
At sea:	10 changes/h

Accommodation for drivers

Accommodation for 12 drivers in 6 cabins

Machinery

Main engine 2 x Wärtsilä Vasa 8L46A, 14 480 kW (19 693 hp)
 Auxiliary engines 2 x Caterpillar 3508B, 1 712 kW
 Bow thruster 1 x Kamewa, 1 100 kW
 Shaft generator, 1 200 kW

Speed and consumption per day

Service speed abt 19.0 kts on abt 55 mt IF-380 trailer draught 5.3 m
 Harbour consumption about 2 mt MGO/24h

Equipped with 2 Rotor Sails

Height 18 m from foundation
 Air draft of vessel 36.67 m above keel (aft mast highest point)

