

M/V Bore Sea

Finnish flag, built by Flensburger Schiffbau-Gesellschaft 2011, Lloyds Register 100A1 Ro-Ro cargo ship, Green Passport. Finnish/Swedish ice class 1A, Call sign OJOU, IMO no. 9443554

Principal dimensions

Length over all	195.40 m
Breadth moulded	26.20 m
Draught design	7.05 m
Draught max	7.40 m

Tonnage

DWT on 7,05 m draught	13 535 t
GT London rules 1969	25 586 t
NT London rules 1969	7 676 t

Tank capacities

HFO/ MGO	1 313 m³
MGO	153 m
Water ballast	6 072 m³
Flume tanks	597 m³

Ro-Ro capacity

	Area	Lane meter*	Max load
Upperr deck	3 680 m²	1 236 m	1.8/1.2 t/m²†
Main deck	3 410 m²	1 078 m	2.7 t/m²
Lower hold	1 680 m²	549 m	5.0 t/m²
Total	8 770 m²	2 863 m	

*Lane meter based on lane width 2.97 m

†Reduced load on upper deck FWD of Frame 100 in case of loaded car deck in MD hold

	Volume	Deck Height
Main deck	23 404 m³	6.55/7.0/7.4 m
Lower hold	11 004 m³	6.55 m
Total	34 408 m³	

Car decks

	Area	Deck height
2 nd level MD	1 710 m²	2.40 m
1 st level MD	1 000 m²	2.10 m
Below 1 st & 2 nd level		4.25/2.20 m
Platform deck lower hold	1 665 m²	2.0 m
Below		4.70 m
Total	4 375 m²	

Container capacity on upper deck

	Slots	Stack weight
45'	60	61 t
40'	60	61 t
30'	20	61 t
20'	46	48 t

Container capacity nominal 444 TEU upper deck.
Double stack containers on all cargo decks.



Reefer plugs

Total 50 reefer plugs.
20 reefer plugs on main deck, 30 pcs on upper deck.
Reefer plugs 4 pole, 450 V, 60 Hz, 32 A

Ramps

One stern ramp 22.25 x 15 + 3 m flaps, max load 200 t.
(PS corner of ramp is foldable, when corner folded ramp width 20.25 m)

Fixed ramp main deck – lower hold, slope <6°
Fixed ramp main deck - weather deck, slope <6°

Accommodation for drivers

Accommodation for 12 drivers in 6 cabins

Machinery

Main engine 1 x Wärtsilä 12V46F-CR, 12 000 kW with variable frequency drive (VFD) for optimal fuel consumption at low speed, NAPA voyage optimisation.

Fuel quality ME: RMD 380, DMA.
Fuel quality AUX eng: DMA

2 x Diesel generators, 1 500 kVA each, 450 V 60 Hz
Shaft generator, 3 750 kVA
Bow thruster, 1 800 kW
Stern thruster, 900 kW

FRAMO anti-heeling system

Speed and consumption per day

Service speed abt 19.0 knots on abt 50 t IF-380
(At design draught 7.05 m and 300 kW shaft gen. load)

18.0 knots trailer draught (6.30 m) on abt 36 t IF-380
(Abt 5000 t payload, 300 kW shaft gen. load)

Flexible ECO speed between 12-19 knots.

Example 14 knots:
14.0 knots trailer draught (6,30 m) on abt 24 t IF-380
(Abt 5000 t payload, 300 kW shaft gen. load)

Harbour consumption abt 3 t MGO

