

Multi Deck Sto-Ro carrier



Multi deck Sto-Ro carrier for transportation of paper in reels, pulp on main deck, tanktop and containers on trailers on weather deck, for unrestricted trades. Designed for operation in the Baltic Sea, North Sea and Gulf of Bothnia.

principal dimensions

- length o.a.	153.05 m
- length bpp	144.20 m
- breadth mld	21.60 m
- depth to main deck	8.40 m
- depth to upper deck	15.20 m
- draught	7.10 m
- deadweight	10000 ton
- tonnage	12300 GT 3690 NT

loading

- weather deck	2.5 ton / m ²
- upper hold	5.0 ton / m ²
- lower hold	5.0 ton / m ²

cargo holds

Two cargo holds, box shaped, with a fixed ramp on the weather deck and tanktop. Slope of the ramp approx. 7 degrees.

Upper hold

area	: 2258 m ²
volume	: 462400 cbft
width	: 19.6 m
free height	: 5.8 m

Lower hold

area	: 1225 m ²
volume	: 216300 cbft
width	: 14.8 m
free height	: 5.0 m

weather deck

area	: 1825 m ²
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classification

Bureau Veritas +I3/3 E, Unrestricted navigation, Ro-Ro cargoship, + Mach + Hull, CNC-1, Aut-UMs, In Water Survey, PFA, Clean sea7+ Clean air +Veristar Hull, Ice class 1a Swedisch/Finnisch (Propac 1a Super)

propulsion / manoeuvring

- main engine, 9450 kW at 500 rpm
- fuel IFO 380Cst, heated by thermal oil
- CPP, diameter 5000 mm
- Speed 16.5 knots at 90% MCR
- Freehanging balance type rudder
- Bowthruster 500 kW

electrical generating plant

- 440 / 230 Volt at 50 Hz
- two diesel driven generators each 500 kW
- one shaftgenerator 700 kW
- one emergency harbour generator of 100 kW

tankarrangements

- ballast water : 7585 m³
- portable water : 100 m³
- HFO : 630 m³
- Gasoil : 160 m³
- Anti heelingsystem, Flume stabilisation system

nautical communication

Integral bridge concept certified for BV CNC1, one man bridge operation

accommodation

Modern, attractive and practical accommodation with private cabins and sanitary facilities for 14 persons.

ventilation / ac

- Central air condition unit based on:
- outside temperature -35° C
 - sea water temperature 0° C
- Mechanical hold ventilation with air drying plant:
- open ramp 25 airchanges/hour
 - closed ramp 10 airchanges/hour continuously

deck equipment / life saving

- 2 B.- anchor / mooring winches on foreship, with warping heads
- 1 El. mooring winch foreship
- 3 B.- hydr. mooring winches on aftship, with warping heads
- 2 liferafts on aftship
- 1 liferaft on foreship
- 2 life boat systems at fore ship, 1 serving as MOB boat
- Sternramp, Rampcover and Pilot doors