



# COMBI FREIGHTER 14000

## STANDARD

### PICTURE OF SIMILAR VESSEL

#### GENERAL

Basic functions	Transporting of general cargo, e.g. bulk, steel coils, forest products
Classification	LRoS $\approx$ 100 A1 $\approx$ LMC, UMS Container cargoes Heavy cargo up to 20 t/m <sup>2</sup> Dangerous cargo to SOLAS II-2 regulation 19 (excluding I and VII)

#### DIMENSIONS

Length overall	146,25 m
Length b.p.p.	136,99 m
Beam moulded	20,10 m
Depth moulded	11,45 m
Draft design	8,25 m
Deadweight	13.900 t
Tonnage measurement	9.846 GT

#### TANK CAPACITIES (APPR.)

Ballast water	6.220 m <sup>3</sup>
Fuel oil (HFO)	720 m <sup>3</sup>
Fuel oil (MGO)	100 m <sup>3</sup>
Potable water	120 m <sup>3</sup>
Sewage	35 m <sup>3</sup>
Lubrication oil	20 m <sup>3</sup>
Dirty oil	15 m <sup>3</sup>

#### HOLDS

Hold 1 fore (box shaped)	4.000 m <sup>3</sup> 141.250 cft
Hold 2 aft (box shaped)	13.252 m <sup>3</sup> 467.980 cft
Dimensions hold 1 (LxBxH)	26,93 x 15,80/10,48 x 12,10 (m)
Dimensions hold 2 (LxBxH)	69,82 x 15,80 x 12,10 (m)
Grain bulkhead	2x Moveable, 8 stowage positions

#### CONTAINERS

In hold	296 TEU
On deck	311 TEU
Total	607 TEU

#### PERFORMANCES

Speed, at d= 8,25 m	15,9 kn
100% MCR approx.	

#### PROPULSION SYSTEM

Main engines	Diesel (HFO), 6.000 kW at 500 rpm
Gearbox	Reduction type
Stern tube	Oil lubricated
Propeller	Controllable pitch, 4.950 mm
Steering gear	Electric-hydraulic
Rudder	Balance type
Bow thruster	Electric, controllable pitch, 600 kW

#### ELECTRICAL EQUIPMENT

Generator set	1x Shaft, 1.000 kVA - 50 Hz 2x Diesel, 438 kVA - 50 Hz 1x Diesel emergency, 170 kVA - 50 Hz
Shore supply	1x 230V/400V, 125A, 50 m cable

#### DECK LAY-OUT

Winch(es)	2x Electric-hydraulic anchor mooring, with 1x single drum and 1x warping head 2x Electric-hydraulic mooring aft, with 1x single drum and 1x warping head
Crane(s)	2x Electric-hydraulic, cargo handling type 40 t/26 m - 32 t/34 m
Hatches	2x Pontoon type and 10x folding type
Lifesaving	3x Life rafts 1x Rescue boat 1x Freefall life boat

#### SECONDARY SHIP SYSTEMS

Compressor(s)	2x Starting air
Separator(s)	2x Fuel oil 1x Lubrication oil 1x Bilge water acc. Marpol
Pump(s)	1x Ballast Water Treatment unit 2x General service 1x Emergency firefighting
Firefighting system	CO <sub>2</sub> for engine room and cargo hold
Ventilation	Holds minimum 6 air changes per hour

#### ACCOMMODATION

Crew	18 persons with heating, ventilation and air-conditioning
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#### NAUTICAL AND COMMUNICATION EQUIPMENT

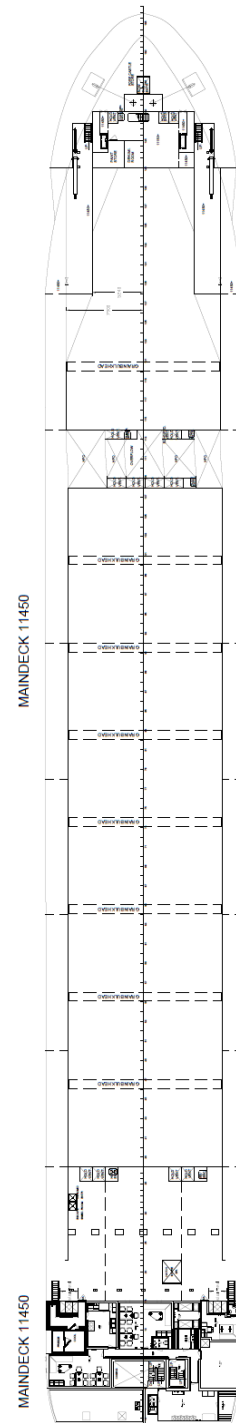
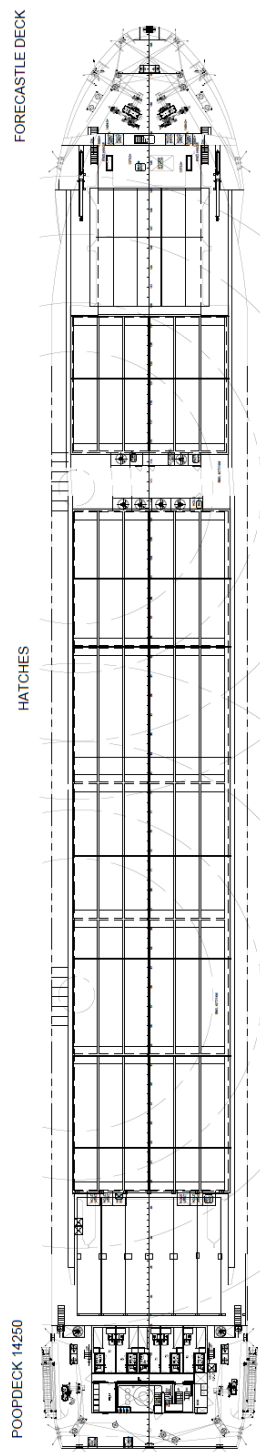
Radio telephone set	According to GMDSS for area A3
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#### SPECIAL EQUIPMENT - OPTIONS

Finnish-Swedish Ice Class 1A
St. Lawrence seaway
Inwatersurvey
Tweendeck panels, full coverage of the hold
Main engine suitable for LNG
Selective catalytic reduction
Scrubber

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