

Damen Combi Freighter 5000 [®]

M.V. "ALESSIA"



General

Yard no.	: 735
Delivery date	: August 1999
Basic functions	: Transport of bulk, steel coils, containers, forest products, general cargo, etc.
Classification	: Lloyds Register ✱ 100 A1, ✱ LMC, UMS. Container Cargoes in Holds and on Hatchcovers. Ice class 1C Strengthened for Heavy Cargoes up to 18 t/m ² . Flagregister Switzerland.

Dimensions

Length o.a.	: 94.99 m.
Length l.l.	: 90.25 m.
Beam mld.	: 13.17 m.
Depth	: 7.15 m.
Summer draft	: 6.20 m.
Deadweight	: 5050 ton.
Gross tonnage	: 2999 GT

Capacities

Hold capacities	: 6196 m ³ (218.810 cuft.)
Fuel (HFO-180)	: 216 m ³ .
Gasoil	: 44 m ³ .
Lub. oil clean	: 15 m ³ .
Dirty Oil	: 11 m ³ .
Sludge	: 8 m ³ .
Sewage	: 12 m ³ .
Potable water	: 41 m ³ .
Ballast water	: 1727 m ³ .

Containers in hold	: 120 TEU
Containers on deck	: 104 TEU
Total number	: 224 TEU

Performance

Service speed 12.0 knots at 6.20 m draft and 1980 kW

Propulsion system

Main engine	: MaK 8M25
Output	: 2200 kW / 750 rpm
Propeller	: LIPS, 4 blades, controllable pitch
Bow thruster	: 200 kW, 4 blades, Fixed pitch
Rudder	: Flap type.

Hatches

Weatherdeck hatchcovers of the "pontoon" type.

- Inner dimensions 67.74 x 11.00 m
- Number of sections: 11
- Top load: According to Class and strengthened for a load up to 1.65/m² and container line loads: 20t/20' and 30t/40'
- Construction: Closed top and closed bottom.

Auxiliary equipment

Shaft-generator	: 1x 262 kVA-50 Hz
Generator sets	: 2x 140 kVA-50 Hz
Emerg. gen.set	: 1x 80 kVA-50 Hz
Starting aircompr.	: 2x 23,4 m ³ /h 30 bar
Fuel separator	: 1x 1680 l/hr
Lub.oil separator	: 1x 920 l/hr
Fuel transferpump	: 2 m ³ /h, at 20 mwc
Fuel transferpump	: 2x each 10 m ³ /h at 12 mwc
Bilge water sep.	: 1 m ³ /h
Bilge/ball. pump	: 2x 200 m ³ /h at 12 mwc
Bilge ejectors	: 2x 30 m ³ /h
Fifi pump	: 1x 60 m ³ /h
Freshwater press.	: Hydrophore system
Freshwater maker	: 3 m ³ / 24 h
CO ₂ fire fighting system	in engine room and cargo holds.
Live-safing appliances	including a free-fall lifeboat for 12 pers.
One rescue boat	and two liferafts.

Deck lay-out and equipment

Anchor winch	: SEC Ten Horn
Capstan	: SEC Ten Horn

Accommodation

Air-conditioned cap. for 9 persons in single cabins, galley, 2x mess room, laundry and stores.

Nautical & communication equipment

Radio equipment according to GMDSS for area A3, two daylight radars, echosounder, autopilot, magnetic compass, gyrocompass, GPS receiver.

Owner

MV ALESSIA AG SWITZERLAND

