

Damen Combi Freighter 5000[®]

M.V. "KATHRIN"



General

Yard no. : 732
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/m².
Flagregister Switzerland.

Dimensions

Length o.a. : 94.99 m.
Length I.I. : 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 m³ (218.810 cuft.)
Fuel (HFO-180) : 216 m³.
Gasoil : 44 m³.
Lub. oil clean : 15 m³.
Dirty Oil : 11 m³.
Sludge : 8 m³.
Sewage : 12 m³.
Potable water : 41 m³.
Ballast water : 1727 m³.

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 m³/h 30 bar
Fuel separator : 1x 1680 l/hr
Lub.oil separator : 1x 920 l/hr
Fuel transferpump : 2 m³/h, at 20 mwc
Fuel transferpump : 2x each 10 m³/h at 12 mwc
Bilge water sep. : 1 m³/h
Bilge/ball. pump : 2x 200 m³/h at 12 mwc
Bilge ejectors : 2x 30 m³/h
Fifi pump : 1x 60 m³/h
Freshwater press. : Hydrophore system
Freshwater maker : 3 m³/ 24 h
CO₂ 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 KATHRIN AG SWITZERLAND

