



**MANISA**

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## **Mv Lenneborg**

Open hatch, box shaped, double skinned, Single-decker, Ice Class 1B.  
Grain / CO2 fitted.

### **General**

Call Sign P.C.G.V.  
IMO number 9421075  
Built 2008 ShipyardNanjing Huatai Shipyard Co., Ltd.  
Classification Bureau Veritas

Class notations 100 A5 E2 Multi-purpose dry cargo ship DBC SOLAS-II-2, Reg.19 G  
Strengthened for heavy cargo + MC E2 AUT

Ice class 1B  
Port of registry Delfzijl  
Flag Dutch  
P and I Club North of England P&I

### **Main particulars**

DWAT 8.112 mt  
Length over all 108,24 m  
Breadth over all 18,20 m  
Drafts Summer 7,010 m, Tropical / 7,156 m / Winter 6,864 m

Draft in ballast 3,850 m  
TPC SSW 17,80 mt/cm  
Dept (moulded) 9,00 m

GT 5.598  
NT 2.883

Distance WL-HC in ballast abt. 8,90 m

### **Cargo Capacities**

Total cubic feet capacity 364.665 cbft grain/bale

Hold #1 95.844 cbft grain/bale  
Hold #2 137.837 cbft grain/bale  
Hold #3 130.984 cbft grain/bale

### **Holds/Hatches**

3 Holds/ 3 Hatches, all types are: fully open hatch. Box shaped and double skinned.

**Holds Dimensions**

17,50 x 15,20 x 11,40  
25,90 x 15,20 x 9,20  
25,20 x 15,20 x 9,20

**Strenghts:**

Max pressure tanktop 15,00 mts/sqm  
Max pressure weatherdeck 2,20 mts/sqm (hatch no. 1)  
3,50 mts/sqm (hatch no. 2 and 3)

Including 8 heavy load points for pointloads upto 60 mts/sqm.

**Cement Holes: (type B)**

Positions of cement holes in the following hatches on starboard site:  
Hatch no. 2, 6 and 10: 2,91 m of front hatch and 2,25 m of site hatch.

Positions of cement holes in the following hatches on port site:  
Hatch no. 1, 3 and 7: 2,65 m of front hatch and 2,25 of site hatch.

Cement holes by dm:

Outside 530 mm

Inside 410 mm

Each hole 12 bolts M20, length of bolt 60 mm.

**Electrical ventilation**

Abt. 6 air changes per hour basis empty hold. Holds are fitted with dehumidifier system.

**Strenghts:**

Max pressure tanktop 15,00 mts/sqm

Max pressure weatherdeck Hatch no. 1: 2,20 mts/sqm Hatch no. 2&3 3,50 mts/sqm

Including 8 heavy load points for pointloads upto 60 mts/sqm

**Engines**

Main Engine MAK 6M32C, 3.000 kW

Reduction Gear

Propeller

Bow Thruster 250 kW

*All details are 'about' given in good faith without guarantee*