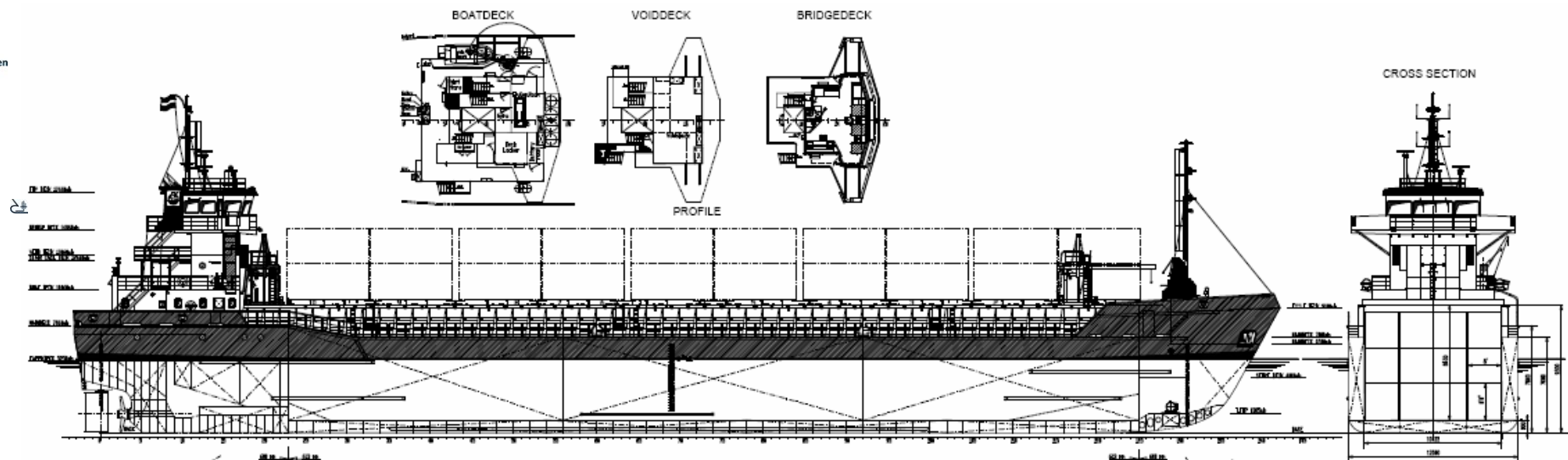




Hermann Lohmann Bereederungen  
GmbH & Co. KG  
Ship Management



**Name** MARAS (IMO 938 07 26) – A&B-Flag  
**Shipyard** Damen Bergum  
**Built** 2007  
**Type** gearless singledecker  
**Classification** GL + 100 A5 E G General Cargo Ship, strengthened for heavy cargoes, equipped for the carriage of container + MC AUT SOLAS II-2 reg. 19

#### Main Dimensions

Length over all	88,60	m
Length between perpendiculars	84,99	m
Breadth moulded	12,50	m
Draught moulded	5,47	m
Air Draught (incl. draught)	24,80	m
Depth to maindeck moulded	7,00	m
Clear height in hold	8,43	m

#### Deadweight (about)

at 5,47m draught (summer)	3875	tdw
at 5,36m draught (winter)	3755	tdw

#### Measurement

GT/NT	2.545/1.460
<b>Service-Speed</b> (bft 2, even keel)	11,00 knts

#### Main Engine

1 of Caterpillar Motoren, Kiel (FRG)  
MAK 8M20 - Rated power 1.520 kW

**Propeller** 1 x CPP

**RPM** 1.000

**Consumption at sea** MGO/day fully laden 5,50 mts

**Consumption in port** MGO/day idle 0,40 mts

#### Reduction gear

1 reverse reduction gear

#### Auxiliary engines

1 Diesel generator sets, SCANIA D9 175 kVa-50Hz  
1 Shaft generator 324 kVa  
1 emergency/harbour generator set type Valmet, 77 kVA-50Hz  
2 starting air compressors  
1 Fuel separator  
1 Fuel oil trim pump  
1 bilge water separator, acc. to MarPol regulations  
2 bilge/ballast pumps, each 150 m<sup>3</sup>/hr a 2,80 bar  
1 Fire Fighting pump  
1 sewage pump  
1 freshwater pressure set  
1 CO<sub>2</sub> Fire Fighting system for engine room and cargo hold

#### Bowthruster

1 x FPP type fishtail - Output 236kW

#### Tank capacities

Ballast approx	1.340,00 m <sup>3</sup>
MGO approx	210,00 m <sup>3</sup>
Potable water	55,00 m <sup>3</sup>
Lubrication oil	8,60 m <sup>3</sup>
Sewage	12,00 m <sup>3</sup>
Dirty Oil	4,00 m <sup>3</sup>
Sludge	4,00 m <sup>3</sup>

#### Cargo capacity

Boxshaped hold narrowing fore and aft; see separate drawing  
Hold (grain) 5.250 m<sup>3</sup>/185.400 cbft  
Dimensions cargo hold lwxhxh 61,66x10,12x8,43 m  
Square meter capacity tanktop/hatch 15,00/1,60 mts

#### Steering Gear

Electrical hydraulic steering gear

#### Anchor and moving winches

1 electrical driven bow anchor winch with two warping heads  
1 electrical driven capstan aft

#### Deck layout

Rudder, fishtail type  
Container fittings on tanktop and on hatch covers  
Lashing eyes in hold and outside of coaming  
Moveable grain bulkhead (2 pcs) with six stowage positions

#### Weather deck hatch covers

Steel pontoon hatches with 1 gantry crane  
Dimensions approx 62,70x10,10 m

**Air change** elec. driven 6 times

#### Container intake

In hold	113 TEU
On hatch (in compliance with a sufficient visibility)	68 TEU
<b>Total</b>	<b>181 TEU</b>
Stack weights	tanktop TEU/FEU 60/75 mts
	Hatch TEU/FEU 23/40 mts

#### Communication equipment

According GMDSS for Area A3, eMail-Terminal

#### Accommodation

For Captain and Crew of a total 08 persons with heating, ventilation and air-conditioning

Details are given in good faith, believed to be correct, but without guarantee.  
All figures to read "about" and not to be used for T/C-descriptions Speed basis max. beaufort 2, no swell and no adverse currents. Any Days during which the vessel encounters conditions exceeding these weather conditions are expressly excluded regarding performance evaluation.