

MV MARIA LUISA



SHIP PARTICULARS

MAIN PARTICULARS

Type: _____ Multipurpose Dry Cargo Ship/Container,
 _____ Strengthened for Heavy Cargo
Owner: _____ MS "Maria Luisa" Schiffahrts GmbH & Co. KG
Managing Owner: _____ Held Bereederungs GmbH & Co.KG
Yard: _____ Dalian Shipyard Co., Ltd. / Dalian
Built: _____ 2003
Flag: _____ Antigua & Barbuda
Port of Registry: _____ St. John's
IMO-No.: _____ 9231133
MMSI: _____ 304656000
Call sign: _____ V2GY8
Vessels class: _____ 100A5 E with freeboard 4.315 m G IW ERS
 _____ SOLAS-II-2, Reg. 19 C2P56, MC E AUT

CONTACT

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GENERAL DIMENSIONS

LOA: _____ 192,90 m
LBP: _____ 182,00 m
Beam: _____ 27,80 m
Draft scantling: _____ 11,20 m
Draft design: _____ 10,00 m
Deadweight: _____ abt. 30.000 mts on a draft of 11,20 m scantling / abt. 24.400 mts on a draft of 10,00 m. Design figures are given on basis of sea water with a specific gravity of 1,025
TPC: _____ 47,050 mt basis SSW _____ draft of 11,20 m
Tonnage international: _____ 23.132 GT / 9.375 NT
Panama: _____ 20.285 NT
Suez: _____ 23.514 GT / 20.171 NT according to Danube Rules

CRANES

2 single cranes: _____ 2 x 100 mts lifting capacity basis 32 m outreach, combinable to 200 mts basis less outreach incl. lifting beam/gear for holds no. 2+3 (ps/strb)
1 twin crane: _____ 2 x 50 mts lifting capacity basis 27 m outreach (45 mts basis 30 m outreach), combinable with crane no. 2 single crane to 200 mts incl. lifting beam/gear for cargo holds no. 4 (ps/strb)

DECK STRENGTH

Tanktop: _____ hold 2, 3, 4: abt. 22.0 mts/m²
 _____ hold 1, 5: abt. 14.9 mts/m²
Tweendeck: _____ abt. 3.5 mts/m²
Hatch Cover: _____ abt. 2.5 mts/m²

Vessel is equipped with 48 single pontoon tweendecks. Each pontoon is weighing abt. 8 metric tons.

HATCHES & HOLDS

Holds/hatches: _____ 5/9
Hatch covers: _____ folding type _____ with hydraulic operation
Maker: _____ MacGregor
Holds: _____ box-shaped _____ steel floored _____ suitable for grab discharge _____ CO₂-fitted _____ smoke detection system _____ anti-heeling tanks _____ Australian type approved hold ladders (AMSA former AWWF)
Holds 2-4: _____ centerline bulkheads

Vessel has double hull with no fuel tanks in double bottom, nor in direct contact with the outer shell.

HOLD CAPACITIES

Hold no. 1: _____ 1 x 5.619,17 cbm (Container)
Hold no. 2: _____ 2 x 4.100,66 cbm (grain/bale)
Hold no. 3: _____ 2 x 4.143,47 cbm (grain/bale)
Hold no. 4: _____ 2 x 4.143,47 cbm (grain/bale)
Hold no. 5: _____ 2 x 2.112,26 cbm (Container)
Total capacity stb/port:
Holds 2-4: _____ 24.775 cbm (grain/bale)

HOLD DIMENSIONS

LENGTH/WIDTH/DEPTH
Hold no. 1 (fore): _____ 12.80 m x 15.40 m x 15.77 m
Hold no. 1 (aft): _____ 12.80 m x 20.40 m x 15.77 m
Hold no. 2-4 (p): _____ 25.60 m x 10.30 m x 15.77 m
Hold no. 2-4 (s): _____ 25.60 m x 10.30 m x 15.77 m
Hold no. 5 (p): _____ 12.80 m x 10.30 m x 15.77 m
Hold no. 5 (s): _____ 12.80 m x 10.30 m x 15.77 m

HEIGHT

Holds no. 2-4: two levels of tweendeck pontoons at following levels:
Tanktop to underneath td: _____ 6.23 m
Tanktop to underneath td: _____ 9.34 m
 Total clear heights
Holds no. 2-4 without td:
Tanktop to underneath hatch cover: _____ 15.77 m

CONTAINER

Container Intake: _____ total max 1,829 ISO standard containers of 20/8/8'6", which are 1,749 TEU of 20/8/8'6" + 40 FEU of 40/8/8'6"
Stowage: _____ hold 706 TEU + 40 FEU _____ deck 1,043 TEU
Alternatively: _____ max 1,824 ISO standard container units of 20/8/8'6", which are 884 FEU of 40/8/8'6" + 56 TEU of 20/8/8'6"
Stowage: _____ hold 358 FEU + 56 TEU _____ deck 516 FEU

The container intake and stowage is always subject to stability, trim, lashing plan, permissible stress, lash forces, visibility regulations, local and/or port regulations and strength of deck, hatch covers and tank top visibility. Damage control regulations to be kept.

Stability: _____ about 1,350 TEU at 14 ts homogeneous load according IMO rules with centre of gravity of 45%

Fittings: _____ holds no. 1 + 5 – cellular _____ holds no. 2, 3, 4 – non cellular

Vessel is fitted with loose lashing material/fittings for abt. 1/3 of the maximum load of containers.

Reefer: _____ 150 reefer plugs on deck
 The vessel's power plant is able to provide up to abt. 1100 KW electrical power for the supply of reefer units at sea service and up to 300 kW at maneuvering.

STACK WEIGHTS

Holds no. 1-5: _____ 144 mts/TEU, 180 mts/FEU
Tweendeck/pontoons: _____ 35 mts/TEU, 45 mts/FEU
Hatch covers: _____ holds no. 1: 50 mts/TEU, 65 mts/FEU _____ holds no. 2-5: 70 mts/TEU, 85 mts/FEU

Upper deck cellular: _____ 90 mts/TEU, 110 mts/FEU
 All weights are given on a "per stack" basis. Distribution of container-weights within a single 20'40' stack to comply with the board manual for stowage and lashing of containers approved by the classification society.

MACHINERY

Main engine: _____ MAN B&W 7S60MC-C
Auxiliary Engines: _____ 1 x ZJMD MAN B+W L23/30H _____ 2 x ZJMD MAN-B+W Type 6L23/30H _____ 1 x Emergency Generator MAN D2866 TE Set
Bow thruster: _____ 1 x 900 kW Output

SPEED/CONSUMPTION

abt. 19.4 knots on abt. 62.4 mts per day / abt. 90% MCR
 abt. 19.0 knots on abt. 59.0 mts per day / abt. 85% MCR
 abt. 18.0 knots on abt. 50.4 mts per day / abt. 72% MCR
 abt. 17.0 knots on abt. 44.4 mts per day / abt. 61% MCR
 abt. 16.0 knots on abt. 38.5 mts per day / abt. 51% MCR
 abt. 15.0 knots on abt. 34.0 mts per day / abt. 40% MCR
 abt. 12.5 knots on abt. 24.0 mts per day / abt. 25% MCR

All speed/consumption values are given basis ISO fuel standard

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8217:2012 RMG 380, 380 CST. The speed/consumption details are given basis design draft, good weather/smooth sea, no counter current up to max. Beaufort force 2 / Douglas Sea state 2 and basis clean bottom and even keel and basis ISO standard conditions and allowing 5 % main engine manufacturers' tolerance.

Fuel oil in accordance with ISO fuel standard 8217:2012 RMG 380, 380 CST at 50 degrees Celsius. The marine diesel oil supplied to be in accordance with ISO fuel standard 8217:2012 DMA and the low Sulphur content regulations for the Sulphur Emission Control Areas.

Additional consumption at sea for aux. engines: (IFO 380 cst.) abt. 4.0 mts/day basis no reefers connected. Additional abt. 6.5 mts/day basis full load of reefers.

Additional consumption in port: (IFO 380 cst) abt. 4.5 mts basis idle
 abt. 5.0 mts basis all cranes working
 abt. 6.0 mts basis full load of reefers

The main engine not to be operated below 25% MCR and every two days and within a period of one hour the power to be increased to 60% MCR. Thereafter vessel to steam with minimum 60% MCR for 30 minutes and the power to be decreased to low load again within the following 30 minutes. Slow steaming operation to be performed with due consideration to safe navigation. Additional consumption of IFO for auxiliaries/boiler while sailing with a load less than 50 pct MCR and due to increase up to 60 pct ME load every two days.

Operation, the Master/Owner has the right to increase M/E power above the cut-in point of the aux. blower to avoid any damages to vessels engines. Vessel is not fitted for cold ironing operations.

TANK CAPACITIES

HFO: _____ abt. 2,862.95 m³
MDO: _____ abt. 139 m³
Lub oil: _____ abt. 129.5 m³
Fresh water: _____ abt. 252 m³
Ballast water: _____ abt. 12,279 m³

No mixing of bunkers allowed.

NAUTICAL EQUIPMENT

Navigation: _____ Fitted with all modern nautical aids/satellite navigation
Communication: _____ weather-chart recorder / Inmarsatsystem/GMDSS/FB250

All details are given „about“ and in good faith.