



MV ARA ROTTERDAM

MAIN PARTICULARS:

Flag	: Gibraltar	
Port of registry	: Gibraltar	
Built:	: 2002, Damen Shipyards, The Netherlands	
Type	: MPP vessel for generals, bulk, containers and heavy cargoes	
Class	: GL	
Ice Class	: None	
Call sign	: ZDPA2	
IMO Nr.	: 9240471	
P&I	: North of England	
H+M value	: EUR 4,5 mio	

GENERAL DIMENSIONS:

GT/NT	: 7406 / 3859
DWT summer sw	: 10.643 mts
DWT winter sw	: 10.298 mts
DWT tropical sw	: 10.989 mts
DWCC summer	: abt 9.800 mts
Draft fully laden sw	: 7,34 m
Draft tropical	: 7,49 m
Draft ballast fore/aft	: 4,40 m/ 5,50 m
LOA	: 142,69 m
LPP	: 136,118 m
Beam	: 18,25 m
Depth moulded	: 10,15 m
Ballast airdraft	: 31,60 m
Distance wl/hc	: abt 7,0 m (ballast)
TPC	: 18,1
Suez GT&NT / Panama NT	: 6985 & 6080 / 6635

GEARS:

Cranes (starboard)	: 2 x 60 mts, combinable
Reach, capacity	: 60 mt (4-16 m); 40 mt (3-26m) 30 mt (3-28,4 m)

No spreader on board, lifting capacity is subject vessel's stability and depends on cargo/ballast on board

DECK STRENGTH:

Tanktop strength	: 18 mts / sqm
Tweendeck strength	: 3,5 mts / sqm
Hatchcover strength	: 1,75 mts / sqm

TANK CAPACITIES:

HFO	: 618,4 cbm (incl day+settling)
MGO	: 59,9 cbm (incl day+settling)
Fresh water	: 75,5 cbm
Ballast water	: 5.352,5 cbm

HOLD PARTICULARS:

Grain capacity	: 518.900 cbft (14.693 cbm) – w/o twd in hold 490.300 cbft (13.884 cbm) – with twd in hold
Holds/hatches	: 2/2; boxshaped, openhatch
Hold No 1/2 (grain)	: 187.205 / 331.695 cbft (5301 / 9392 cbm) – w/o twd
Hold 1 (LxBxH)	: 38,95 x 13,15 x 11,05 m, narrowing fore
Hold 2 (LxBxH)	: 65,42 x 13,15 x 11,05 m, narrowing aft
Hatch 1+ 2	: 38,95 + 65,42 m x 13,15 m
Hatch covers	: pontoon
Moveable bulkheads	: 4 bulkheads (by using 8 twd pontoons)
Hold ventilation	: 10 air changes per hour

TWEENDECK:

Tweendeck	: complete twd (except narrowing in hold 1)
Panels LxBxH	: 5,43 x 13,10 x 0,67 m (17 panels)
Height under td/above td	: 4,46 m / 5,90 m

CAPACITY AREA:

Tanktop	: 1.327 m ²
Tweendeck	: 1.218 m ²
Deck	: 1.408 m ²

CONTAINER INTAKE:

Container intake	: 680 TEU/340 FEU total Deck 378 TEU/189 FEU
Stack loads tanktop	: hold TEU 100 mts/ FEU 120 mts hatches TEU 25 mts/ FEU 48 mts
Reefer plugs	: 60 connections
Intake is always subject vessel's stability, trim, permissible weight and is subject to regulations of visibility.	

MACHINERY:

Main engine	: MAK 9M32C - 4320 kW/ 5.874 HP
Auxiliary engines	: 3 x 350 kW
Shaft generator	: 680 kW
Bow thruster	: 400 kW / 544 HP
Propeller	: CPP
Speed/consumption	: 12 kn on 14,5 mts RMG 380 pd
Port consumption	: 1,5 mts MGO (idle) / 2,5 mts MGO (working) pd
HFO – ISO8217:2010e – Category ISO/F – RMG380	
MGO – ISO8217:2005e – Category ISO/F – DMA	
Speed and consumption figures are "about" and calculated basis sailing even keel on max Beaufort 3/ DS 3 and seawater temperature max 26 C.	
No GO at sea provided shaft generator connected except if hold ventilation is used, reefers connected and in case of emergency and/or maneuvering in/out of ports and when navigation is shallow, narrow or other constraint waters.	