



# Schulte & Bruns

Nederland BV

52° 57' 23" 5° 56' 70"



## MV ARA HAMBURG

### MAIN PARTICULARS:

Flag	: Madeira	
Port of registry	: Madeira	
Built:	: 2009, Heshun Shipyard	
Type	: Multipurpose geared Tweendeck cargo ship Strengthened for heavy cargo	
Class	: DNV-GL	
Ice Class	: 1A Fin.-Swed	
IMO nr.	: 9448451	
P&I	: North of England	

### GENERAL DIMENSIONS:

GT/NT	: 6351 / 3617
DWT summer sw	: 9.825 mts
DWT winter sw	: 9.525 mts
Draft fully laden ssw	: 7,78 m
Draft ballast fore/aft	: 3,0/4,4 m
LOA	: 132,20 m
LPP	: 124,56 m
Beam	: 15,87 m
Ballast airdraft	: 38 m (minus draft)
Distance wl/hc	: 7,50 m (minus ballast)

### GEARS:

Cranes (portside)	: 2 x 60 mts, combinable
Outreach, capacity	: 60 mt (3,5-16 m); 40 mt (2-24m) 36 mt (2-28m)

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

### DECK STRENGTH:

Tanktop strength	: 15,0 mts / m2
Tweendeck strength	: 3,5 mts / m2
Hatchcover strength	: 1,6 mts / m2

### CONTAINER DATA:

Container intake	: 470 TEU; of which 206 TEU on deck
Stack loads	: hold TEU 90 mts FEU 100 mts deck TEU 25 mts FEU 40 mts
Reefer plugs	: 20, on deck only

Intake is always subject vessel's stability, trim, permissible weight and is subject to regulations of visibility. Container as well as grain/bale capacity assumes tweendeck ashore.

### HOLD PARTICULARS:

Grain capacity	: 452.700 cbft (12.821 cbm) – w/o twd 424.500 cbft – with twd in hold
Holds/hatches	: 2/2; boxshaped, openhatch
Hold No 1 / 2 (grain)	: 189.000 / 263.700 cbf (5.353/7.468 cbm)
Hold 1 (LxBxH)	: 39,96 x 13,20 x 10,80 m (narrowing fore)
Hold 2 (LxBxH)	: 52,54 x 13,20 x 10,80 m (narrowing aft)
Hatch 1+ 2	: 41,36 + 52,94 m x 13,55 m
Hatch covers	: pontoon
Moveable bulkheads	: 2 bulkheads (8 positions)
Hold ventilation	: 6 air changes per hour B.E.H.

### TWEENDECK:

Tweendeck	: complete tweendeck
Panels	: 18 panels
Height under td/above td	: 4,55 m / 5,59 m

### AREA AVAILABLE:

Tanktop	: 1.149 m2
Tweendeck	: 1.186 m2
Deck	: 1.250 m2
Total	: 3.585 m2

### MACHINERY:

Main engine	: MAK 8M32C – 3.840 kw
Auxiliary engines	: 2 x 350 kw
Shaft generator	: 680 kw
Bow thruster	: 500 kw
Propeller	: CPP
Speed/consumption	: 12 kn on 12,5 mts RMG 380 per day
Port consumption per day	: 1,5 mts MGO (idle) / 2,5 mts MGO (working)

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 MGO 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.

### TANK CAPACITIES (bss 100% filling):

HFO	: 420 cbm (incl day+settling tank)
MGO	: 245 cbm (incl day+settling tank)
Fresh water	: 76 cbm
Ballast water	: 3.538 cbm