



**5,560 DWT / 2 x 40 mt**



**BRIESE SCHIFFAHRT**

Vessel name	Built	IMO no.	Flag
S. Rafael	06/2000	9196931	Antigua & Barbuda

### Ship's Basics

<b>Type</b>	Multi Purpose Vessel Singledecker
<b>Builder</b>	Qingshan Shipyard, Wuhan, China
<b>Classification</b>	DNV GL + 100 A5 E G + MC E AUT equipped for carriage of containers and dangerous goods

### Dimensions & Main Data

<b>Tonnage GT/NT</b>	4,454 / 2,141
<b>Deadweight (summer)</b>	5,560 mt
<b>Length o.a.</b>	100.60 m
<b>Length p.p.</b>	95.90 m
<b>Beam</b>	18.80 m
<b>Max. draft (summer)</b>	6.65 m
<b>Max. speed</b>	16.0 knots
<b>Service speed</b>	15.0 knots
<b>Consumption at sea</b>	17.0 mt IFO 380 per day
<b>Consumption in port</b>	2.0 mt fuel per day (with crane operations) 1.6 mt fuel per day (without crane operations)
<b>Fuel on ME</b>	RMG 380 / RME 180 / MGO DMA / MDO DMB
<b>Fuel on AE</b>	MGO DMA
<b>Tank capacities</b>	RME 180 abt. 540 cbm MGO DMA / MDO DMB abt. 88 cbm Ballast abt. 2,086 cbm Freshwater abt. 65 cbm

### Propulsion

<b>Main Engine</b>	MAN 9L 32/40, 4,320 kW
<b>Aux.-Engines</b>	Volvo Penta, 2 x 422 kW
<b>Propeller</b>	Controllable pitch propeller

### Hold and Hatch

<b>Hold and Hatch</b>	3 Holds / 3 Hatches
<b>Hatch cover type</b>	Folding type
<b>Cargo hold capacity</b>	7,177 cbm (253,452 cbft)
<b>Floor space under deck</b>	874 sqm (17,889 sqft)
<b>Floor space on deck</b>	840 sqm (20,160 sqft)
<b>Deck strengths per sqm</b>	10.00 mt on tanktop 10.00 mt on deck
<b>Tweendeck</b>	n / a
<b>Bulkheads</b>	n / a

### Cargo Gear

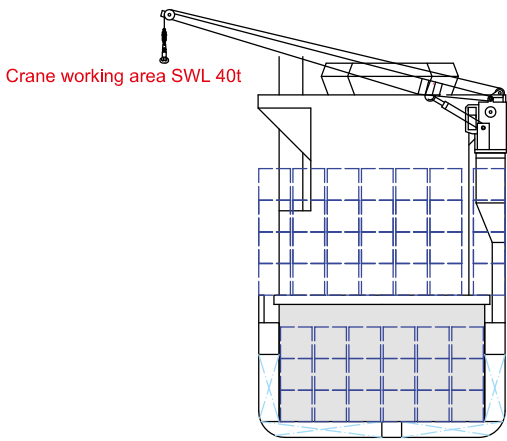
<b>Type</b>	2 x 40 mt NMF
<b>Combinable</b>	80 mt
<b>Situated</b>	Portside

### Container Capacity

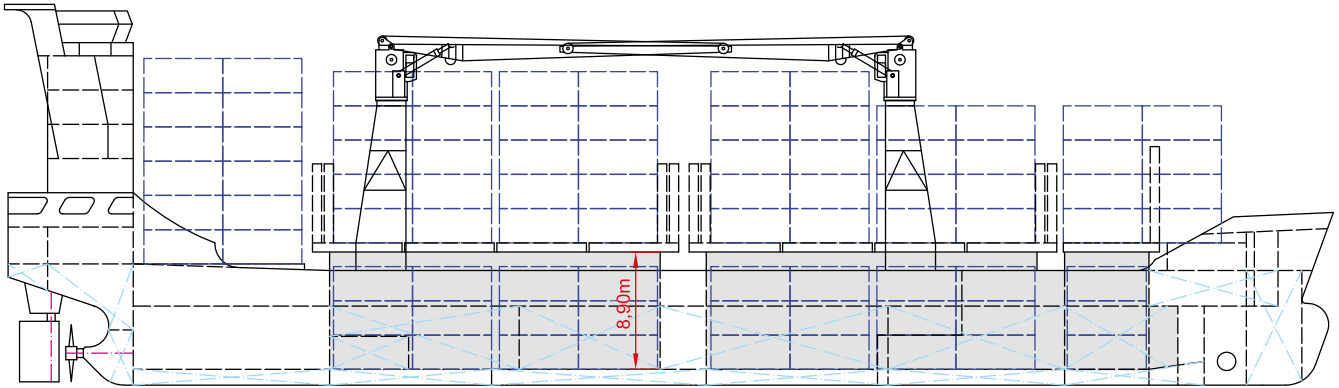
<b>Capacity</b>	20' or 40' + 20'
<b>Hold</b>	141 / 64 / 13
<b>Deck</b>	360 / 169 / 19
<b>Total</b>	501 / 233 / 32
<b>TEU at 14 mt</b>	275
<b>Reeferplugs</b>	total 84 (72 on deck / 12 in hold no. 2)
<b>Stackload</b>	20' / 40'
<b>Hold</b>	72 mt / 105 mt
<b>Twd</b>	36 mt / 50 mt
<b>Deck</b>	45 mt / 65 mt

### Special Equipment / Features

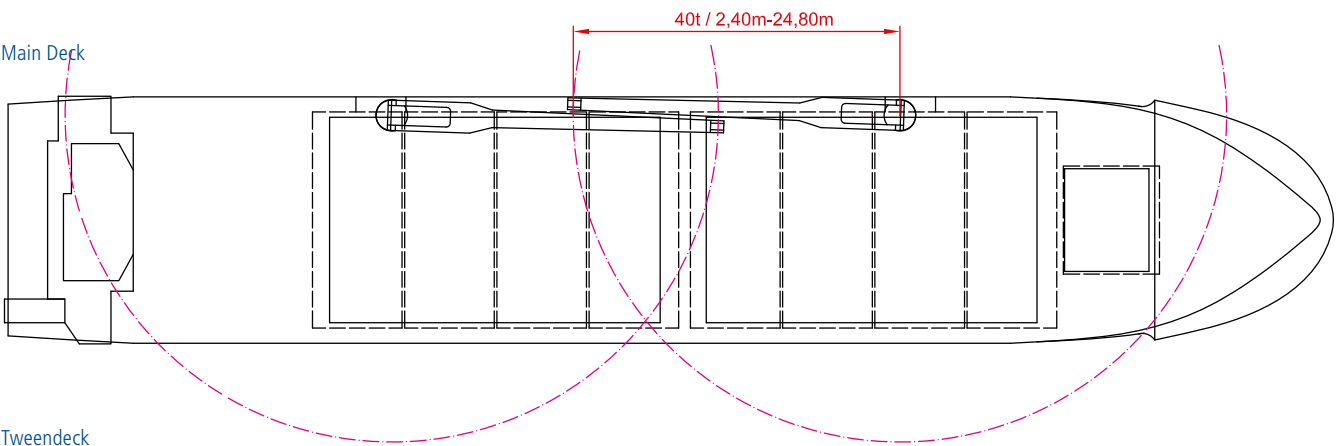
<b>IMO classes</b>	Fitted for carriage of dangerous goods of all IMO classes
<b>Other</b>	Freshwater generator: 10 mt/day Bow thruster; Shaft generator



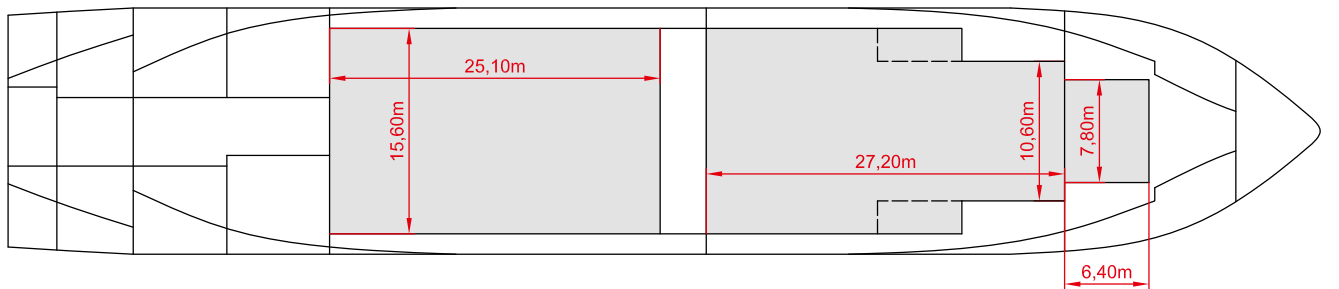
Side View



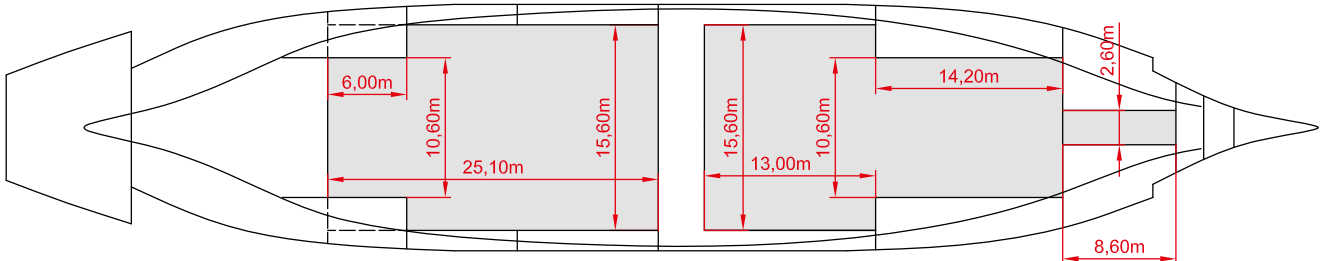
Main Deck



Tweendeck



Holds & Double Bottom



Max. speed is calculated basis 85% MCR, ballast condition, no deck cargo, maximum Beaufort 2, no swell, no adverse currents, clean hull and even keel. Service Speed and consumption at sea is calculated basis 75% MCR, laden condition, no deck cargo, maximum Beaufort 2, no swell, no adverse currents, clean hull and even keel. Eco speed is the minimum continuous speed in laden condition. Consumption data assumes reefer plugs and shaft generator disconnected but including AE if no shaft generator is installed. Vessel is burning fuel according to ISO 8217. Intake is always subject to vessel's stability, trim, permissible weights and is subject to regulations of visibility. Lifting capacity of vessel's cranes is subject to vessel's stability and can depend on cargo/ ballast on board. Container data as well as bale capacity assumes tweendeck ashore. All details including speed and consumption are given in good faith and are "about" and are given without guarantee. They must not be used as basis for charterparties or contracts without owner's explicit written authority.