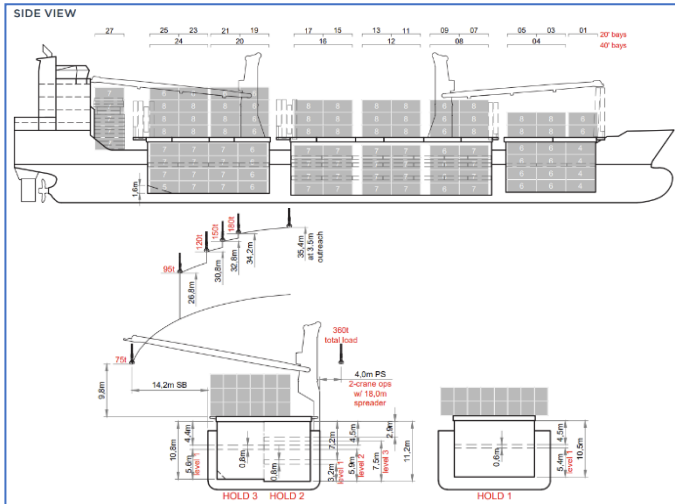
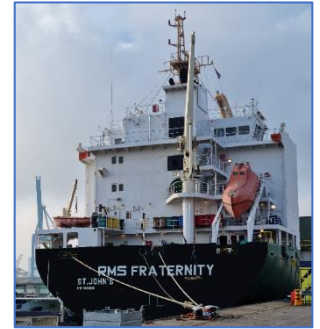
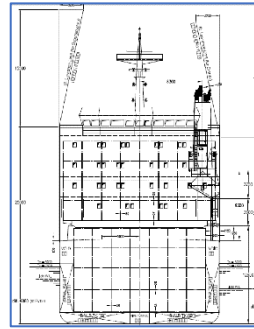


MV "RMS FRATERNITY "

F-360 CLASS



Ship Basic Information

Builders	Volharding / Qingshan Shipyard, China
Type	Multi-Purpose Double Hull Box-shaped Tweendeck/Container Carrier, Ice Class
Flag	Antigua & Barbuda
Port of Registry	St. John's
Classification	KRS1 - CARGO SHIP, GENERAL DRY CARGO (DOUBLE SKIN) HC, IA, IWS, ERS, CDG, Grab, IHM, LG, LI KRM1 – UMA, PMS, BWT
EDDI, CII	Exempt, as Heavy Load Carrier

Vessel Specific Information

	IMO No.	Year of Built	Summer Deadweight	Lightweight (mt)	Environmental Rating
RMS FRATERNITY	9402055	2008	12,672	5,256	See now

Dimensions and Main Data

Length o.a.	138.07 m
Length b.p.	130.00 m
Breadth max.	21.00 m
Depth to Main Deck	11.00 m
Deadweight Summer	12,672 mt
Draft Summer	8.00 m
Design Draft	7.50 m
Draft Winter	7.83 m at Winter Deadweight of 12,321 mt
Speed	About 14.00kn at about 21.00mt LSFO-380cst (on design draft of 7.50m at Bf2)
St. Lawrence	Yes
Bow thruster	Yes (500kW)
Grain Fitted	Yes
Cement Hole fitted	Yes (90cm and 45cm airholes)
Gross Tonnage	9,611
Net Tonnage	4,260
Crew Complement	20 Persons (plus 4 Suez Crew beds)

Capacities		
LSFO-380 cst	948 cbm (at 100%) (including day and settling tanks)	
LSMDO	151 cbm (at 100%)	
Freshwater	131 cbm	
Water ballast	5,004 cbm (at 100%)	
Hatchcovers	Original Mariner, Hydraulic Folding, Non-sequential Hatch cover openings	
Number of Holds, Hatches	3 Holds, 3 Hatches. Configurable to 4 Holds by 1 movable bulkhead fr93,5 &112,5	
Hold Dimensions (LxBxH)	No. 1 = 18.75m x 15.02m/10.06x 10.53 No. 2 = 42.00m x 17.50m x 11.18 No. 3 = 25.50m x 17.50m x 10.77	No. 1 = 18.75m x 15.02m/10.06x 10.53 No. 2 = 42.00m x 17.50m x 11.18 No. 3 = 25.50m x 17.50m x 10.77 (2 Grain Bulkhead Positions in Hold 2)
Hatch Dimensions (LxB)	No. 1 = 18.75m x 15.02m/10.06m No. 2 = 42.00m x 17.50m No. 3 = 25.50m x 17.50m	No. 1 = 18.75m x 15.02m/10.06m No. 2 = 42.00m x 17.50m No. 3 = 25.50m x 17.50m
All holds mechanically ventilated / 12 air changes per hour (holds 2 & 3), 6 air changes per hour (hold 1)		
Hold No. 1 is equipped with a sprinkler system for IMO cargo		
Weatherdeck hatch covers provide one even surface from fwd hatch no. 1 to aft hatch no. 3 = 1,632 m2		

Capacity (cbm)	Grain	Bale
No. 1 (T/D's at bay 27)	2,701.3	2,701.3
No. 2 (T/D's at bay 27)	8,362.2	8,362.2
No. 3 (T/D's at bay 27)	4,889.5	4,889.5
Total	15,953.10 cbm	15,953.10 cbm

Container Capacity	20'	T/D ashore	40'	T/D ashore
On Deck	331		136 (+59 TEU)	
In Hold	330	(2 tires 9'6" + 2 tires 8'6")	158 (+22 TEU)	(2 tires 9'6" + 2 tires 8'6")
Total	661		294 (+81 TEU)	
Nominal intake always subject to visibility and stability. T/D and Heavy Lift Beam 400mt SWL & accessories a shore.				

Container Capacity	20'	T/D Bay No. 27	40'	T/D Bay No. 27
On Deck	312		136 (+40 TEU)	
In Hold	330	(2 tires 9'6" + 2 tires 8'6")	158 (+22 TEU)	(2 tires 9'6" + 2 tires 8'6")
Total	642		294 (+62 TEU)	
Container intake base 14 mt homogenous with 45% VCG = 542 TEU				
Nominal intake always subject to visibility and stability. Heavy Lift Beam 400mt SWL and accessories a shore.				

Reefer Plugs	25 pcs – Type:CO-32-FS-440V-4P-3H-IP67-K02-C01 (Wiska design) 32A, 400V, 50hz, Pole 3P+E, Earth 3 o'clock position. Expandable to 50 pcs reefer containers by splinters
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Gear	
Crane 1 (Hold 1 & 2)	SWL 180.00mt x 13.00m outreach SWL 70.00mt x 33.00m outreach
Crane 2 (Hold 2 & 3)	SWL 180.00mt x 13.00m outreach SWL 70.00mt x 33.00m outreach
Crane 1 & 2 combined (Hold 2)	SWL 360.00mt x 13.00m outreach,
2 NMF/Germany Heavy Lift Electrohydraulic Fast Cranes, combinable. Loadmaster Indicator in each crane.	
Lifting beams on board: 1pcs 400mt SWL (L=18.2m W=16.8mt), 2pcs 250mt SWL (L=12.19m W=5.8mt)	
Spreaders on board for 200mt: 2pcs L=5.16m W=0.27mt, 2pcs L=4.16m W=0.23mt, 2pcs L=3.16m W=0.19mt	

Admissable Load		Container Stackweight TEU/FEU
Tanktop	16.00 mt/sqm	90/120
Tweendeck	4.00 mt/sqm	n.a.
Weatherdeck Hatch covers	1.75 mt/sqm	50/65

Machinery	Main Engine	
Type	MAK 6M43 C, Controllable pitch propeller	In compliance with latest rules
Power	5,400 kW / 500 rpm	
Grade Fuel used	LSFO 380cst	

Auxiliary Engine		
Type	MAN D2840 LE301	In compliance with latest environmental regulations
Number	3	
Power	443 kW / 1,500 rpm	
Grade Fuel used	LSMGO	
Generator	395 kW, 400V, 50Hz	

Fuel Consumption at Speed of about 14.00kn at design draft of 7.50m and (Bf2)	
Ship at Sea	Abt. 21.00mt LSFO 380cst
Shaft Generator	700 kW
Ship in Port (idle)	Abt. 1.60mt (LSMGO). No Reefer Container
	Abt. 2.50mt (LSMGO) (all cranes working). No Reefer Container
Boiler Fuel Consumption	Abt. 0.50mt (LSMGO) in port
Echo Speed & Consumption (Bf2)	Abt. 13.00kn at abt. 18.00mt; abt. 12.00kn at abt. 16.50mt LSFO 380cst ULTRA SLOW STEAMING (Bf2) abt. 11.00kn at abt. 15.50mt LSFO 380cst

Navigation & Communication Equipment	
2 ARPA Radars (1x S-band, 1x X-band)	LRIT
2 ECDIS & Integrated Navigation System	Anemometer & Anemoscope
Gyro Compass & Autopilot also Connected to Magnetic Compass	GMDSS A3
Doppler Speed Log	MF/HF Transmitter/Receiver
Echosounder	2 VHF Radiotelephones
GPS Receiver	3 Portable VHF
DGSP Receiver	SATCOM Fleet Broadband 250 with Fax + 2 Inmarsat Type C
Navtex Receiver	Intellian G60 V-Sat
AIS	Chartworld Chart System
SSAS	Chartworld Metmanager Receiver
<i>All details to be considered as about, given in good faith but without any guarantees</i>	

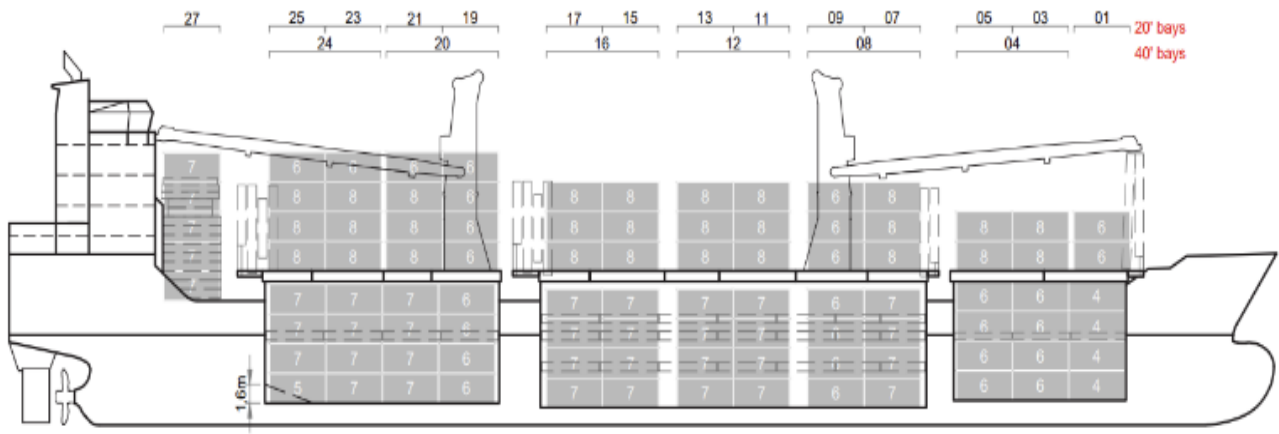
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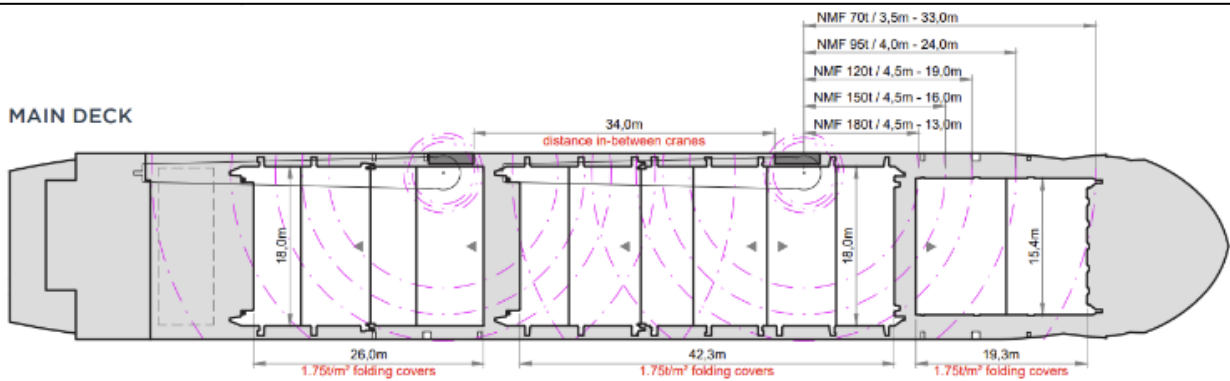
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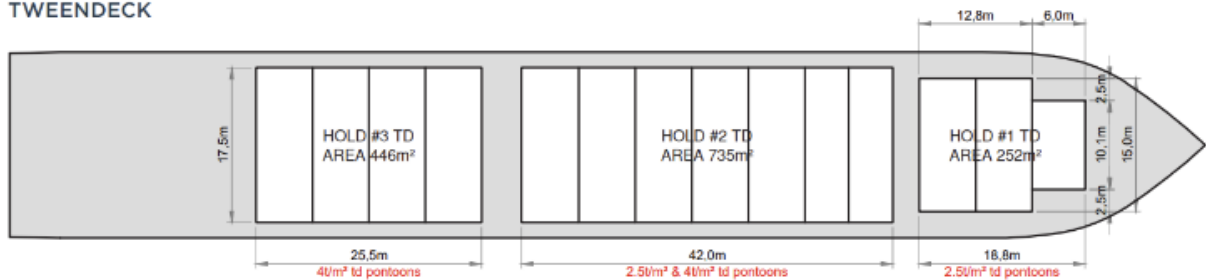
SIDE VIEW



MAIN DECK



TWEENDECK



HOLDS & DOUBLE BOTTOM

