

Coaster D Class



Ship Basic Information

Builders	Rongcheng Shipyard
Type	Multi-Purpose Double Hull Box-shaped Mini Bulker, Ice class
Flag	Cyprus
Port of registry	Limassol
Classification	GL, +100A5, E2, MULTIPURPOSE SHIP; Strengthened for Heavy Cargoes; Equipped for Carriage of Containers, +MC, AUT, E2, TSM, Solas II-2 Reg.19 Class 1.4, 5, 2, 3, 4, 5.1, 6.1, 8, 9
EDDI, voluntary	13,837 (for this Shiptype no max EEDI is allocated)

Vessel Specific Information

	IMO No.	Year of Built	Summer Deadweight (mt)	Lightweight (mt)	Vessel Environmental Rating
MSM DON	9518971	2010	5,647	2,521	See now
MSM DOURO	9519028	2012	5,732	2,578	See now
MSM DOLORES	9519030	2012	5,745	2,565	See now

Dimension and Main Data

Length o. a.	105.22 m MSM DON; 108.40 m MSM DOURO & MSM DOLORES
Length b.p.	99.98 m MSM DON; 102.98 m MSM DOURO & MSM DOLORES
Breadth max.	15.20 m (Max Breath over the Fender = 15.63 m)
Depth to maindeck	7.90 m
Deadweight summer	5,647 mt MSM DON; 5,732 mt MSM DOURO; 5,745 mt MSM DOLORES
Draft summer	5.88 m
Gross tonnage	GT 4,220 MSM DON; GT 4,358 MSM DOURO & MSM DOLORES
Net tonnage	NT 2,456 MSM DON; NT 2,525 MSM DOURO & MSM DOLORES
Speed / Consumption	about 11.00 kn at 8.0 mt HFO 180 (at design draft of 5.10 m and Bf 2)
Timber fitted	YES
Suez and Panama Canal fitted	YES
St. Lawrence fitted	Adaptable
Bowthruster	YES
Cement hole fitted	YES (900 mm Diameter)
Stern anchor fitted	YES
Airdraft	Geared Vessels = 27.50 m airdraft ; Gearless Vessels = 21.40 m airdraft
Crew Complement	11

Capacities

HFO-180	257.02 cbm (at 100%) (including day and settling tanks)
MDO	58.45 cbm (at 100%)
Waterballast	1,960 cbm (at 100%) MSM DON; 2,047 cbm MSM DOURO/DOLORES
Freshwater	69.03 cbm (at 100%)
Cargo hold washwater tank	60.96 cbm (at 100%)
Hatches	4 pontoons on hatch no.1 (MSM DOURO/DOLORES have 5 pontoons) and 7 pontoons on hatch no.2. Moved by electric driven gantry crane from MacGREGOR
Holds	2 cargo holds with full tween deck positions in both holds. A partial tween deck (movable bulkheads) of 18,4m length is on board.
Hold dimensions (LxBxH)	Hold no.1=25.50 m x 12.65 m/10.1 m x 9.2 m : MSM DON Hold no.1=29.25 m x 12.65 m/10.1 m x 9.2 m : MSM DOURO/DOLORES Hold no.2=45.75 m x 12.65 m x 9.2 m : ALL VESSELS
Movable bulkheads	2 full bulkheads (2 panels for each b/h = 4 in total) erection possible in 3 different positions in hold no. 2; and 2 positions in hold no.1. The 4 panels can also be used as tweendeck of 18,4 m length.
Tweendeck (movable bulkheads)	4 bulkhead panels can be placed as tweendeck of 18.40 meter length at any position in hold no. 2 or hold no. 1. Clear height 5.64 m from tanktop. Clear height of 3.17 m from T/D to underneath hatch cover.
All holds mechanically ventilated / 6 air changes per hour	
Grain capacity	MSM DON abt 289,000 cbf (hold no.1=106,000 and hold no.2=183,000); excluding bulk heads. MSM DOURO & DOLORES abt 301,000 cbf (hold no.1=118,000 and hold no.2=183,000), excluding bulk heads.
Containers capacity	Total 243 TEU (159 TEU in hold and 84 TEU on deck)

Admissable load

Container Stackweight teu/feu

Tanktop	15.00 mt/sqm	60.0 mt / 60.0 mt (Teu/Feu)
Tweendeck (movable bulkhead)	2.40 mt/sqm	only 4 panels on board for 18.4 m
Weatherdeck hatchcover no. 1 & 2	2.20 mt/sqm	61.0 mt / 61.0 mt (Teu/Feu)
Gear		
Crane 1 (Holds 1&2)	DOURO & DOLORES SWL 45 mt x 18.0 m at 17.0 m outreach; MSM DON SWL 30.0 mt x 24.0 m at 23.0 m outreach (11/2011)	
Crane 2 (Hold 2)	DOURO & DOLORES SWL 45.0 mt x 18.0 m at 17.0 m outreach; MSM DON SWL 30.0 mt x 24.0 m at 23.0 m outreach (11/2011)	
Crane 1 & 2 combined (Hold 2)	DOURO & DOLORES SWL 90.0 mt at 12.0 m outreach; MSM DON SWL 60.0 mt at 12.0 m outreach (11/2011)	
Machinery		
Type	YANMAR Model 6EY26	
Power	MSM DON 1,920 kW at 750 rpm; MSM DOURO & DOLORES 1,990 kW at 750 rpm	
Grade fuel used	HFO 180	
Auxillary engine		
Type	HND (Deutz MWM) license TBD 234V8	
Number	3	
Power	249 kW each	
Grade fuel used	MDO	
Generator	230 kW, 400V, 50Hz, 1,500 rpm	
Shaft generator	350 kW, 400V, 50Hz, 1,500 rpm	
Bowthruster	Kawasaki, 300kW	
Fuel consumption at a speed of about 11.00 kn at design draft of 5.10 m at (Bf 2)		
Ship at sea	about 8.00 mt HFO 180	
	about 0.0 mt (shaft generator)	
Ship in port	about 0.80 mt	
Navigation and communication equipment		
2 ARPA radars	LRIT	
ECDIS	Anemometer & Anemoscope	
Gyro compass & autopilot river/sea also	GMDSS A3	
connected to magnetic compass	MF/HF transmitter/receiver	
Doppler speed log	2 VHF radiotelephones	
Echosounder	3 portable VHF	
GPS receiver	Inmasat Fleet Broad Band 250 + C	
DGSP receiver	Fax	
Navtex receiver	KVH V-Sat	
AIS	Chartco receiver	
SSAS	Chartco metmanager receiver	
All details to be considered as about, given in good faith but without any guarantee.		