ALGOMA INTEGRITY





TECHNICAL SPECIFICATIONS					
Built	2009				
Classification	Lloyd's Register				
Length Overall (m)	197.10				
Length Between Perps (m)	188.40				
Breadth Moulded (m)	32.20				
Depth Moulded (m)	17.75				
Total Hold Capacity (m³) (including hatches)	45,708.50				
Deadweight (t)	47,556				
Draught Summer (m)	11.517				
Gross Tonnage	33,047				
Net Tonnage	11,140				
Bow Thruster (kW)	1,119				
Length of Boom (m)	76.20				
Discharge Rate: Coal, Gypsum, Aggregates (mt/hr)	2,500				
Discharge Rate: Iron Ore (mt/hr)	3,000				

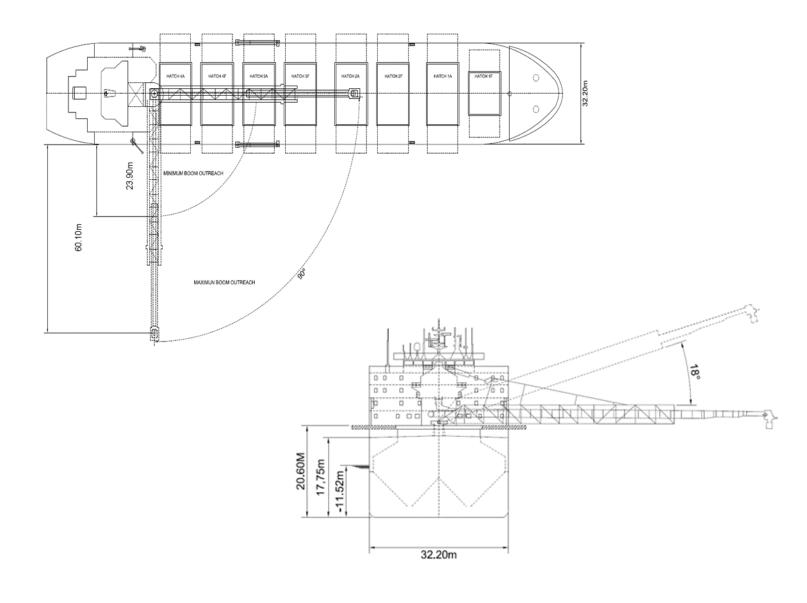
Algoma Integrity is a self-unloading bulk carrier with four cargo holds, strengthened for heavy cargoes, loaded through eight hatches.

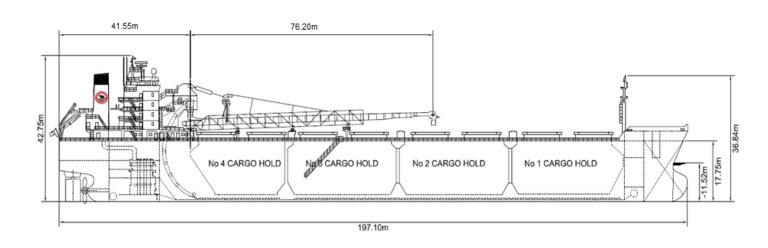
The discharge is gravity fed through the gate system via two longitudinal conveyor belts feeding to a central C-Loop that lifts the cargo onto the telescopic boom conveyor and ashore.

Discharge rate is variable to the maximum of 3,000 metric tonnes and 2500 cubic metres per hour for volumetric cargoes.

Using the flexible boom and precise control of the discharge rate makes the vessel suitable for discharge to almost any receiving facility including enclosed hoppers, barges and trucks. The vessel is double hulled, including bunker tanks, and utilizes a bow thruster and high-lift rudder to give excellent handling characteristics.

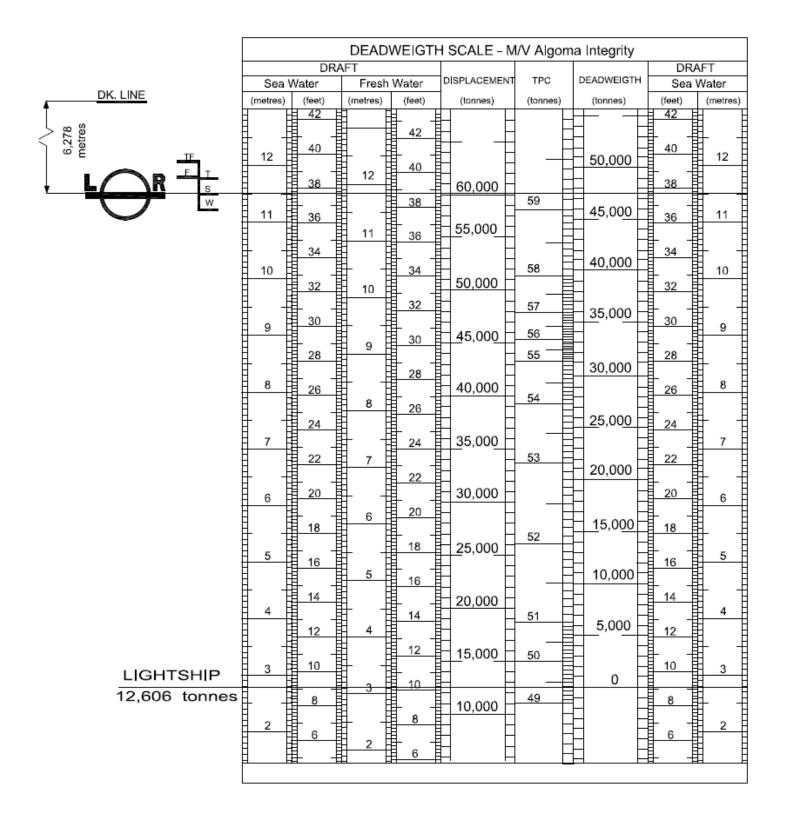
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SELF-UNLOADER



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HATCH AND HOLD SPEC	CIFICAT	IONS							
			HOLD VO	LUMES (C	CUBIC ME	TRES)			
HOLD NUMBER		1	2		3			4	TOTAL
Cubic (Maximum)	11	,905.70	12,38	82.80	12,38	32.80	9,0	037.20	45,708.50
HOLD OPENINGS IN METRES									
NUMBER OF OPENINGS	1F	1A	2F	2A	3F	3A	4F	4A	
Opening Length	11.20	11.20	11.20	11.20	11.20	11.20	11.20	11.20	
Opening Width	13.40	19.20	19.20	19.20	19.20	19.20	19.20	19.20	
Coaming Height Above Keel	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	
HATCH INFORMATION (METRES)									
DESCRIPTION		Side-Rolling Panels							
Operation	Hydraulic								
Hatch Length	11.52	11.52	11.52	11.52	11.52	11.52	11.52	11.52	:
Hatch Width	13.78	19.58	19.58	19.58	19.58	19.58	16.15	19.58	
Hatch Top Height Above Keel	20.48	18.70	18.70	18.70	18.70	18.70	18.70	18.70	

CARGO HANDLING EQUIPMENT
Two Hold Conveyors
Two Transfer Conveyors
One Boom Conveyor
One "C" Loop Conveyor
All conveyors are driven by variable speed motors, gears and couplings
Discharging is done through hydraulically operated gates fitted to outlet hoppers in the bottom of cargo holds
Boom Belt - Wide: 1,600 mm
Tunnel Belts - Wide: 2,000 mm
Transfer Belts - Wide: 2,000 mm
"C" Loop Belt - Wide: 2,750/2,600 mm
Dust Suppression: Water spray systems on the hold, transfer, C-Loop Chutes and on the Boom end
Discharge rate 2,500 m3/hr or 3000 mt/hr whichever is first reached

SPEED CONSUMPTION						
	SPE	EED	CONSUMPTION			
	Loaded	Ballast	Loaded	Ballast	Port	
At Sea	11.75	12.50	25.75	24.75	N/A	
Loading	2.70					
Discharge					5.00	

ASSIGNED DRAFT						
Season	Draft (Tonnes)	Displ. (Tonnes)	DWT (Tonnes)			
TF	-	-	-			
F	11.771	60,098	47,492			
Т	11.757	61,582	48,977			
S	11.517	60,162	47,556			
W	11.277	58,762	46,138			

All specifications given in good faith but without guarantee.

Maximum Boom outreach: 76.20 m (telescopic shuttle conveyor)