

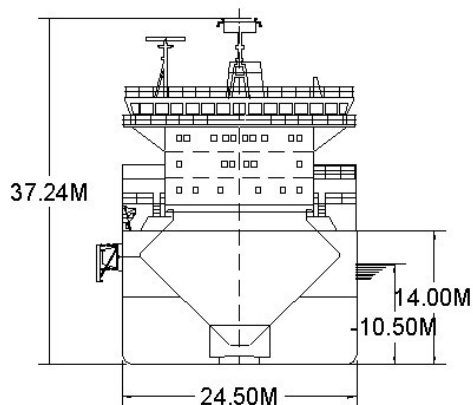


TECHNICAL SPECIFICATIONS

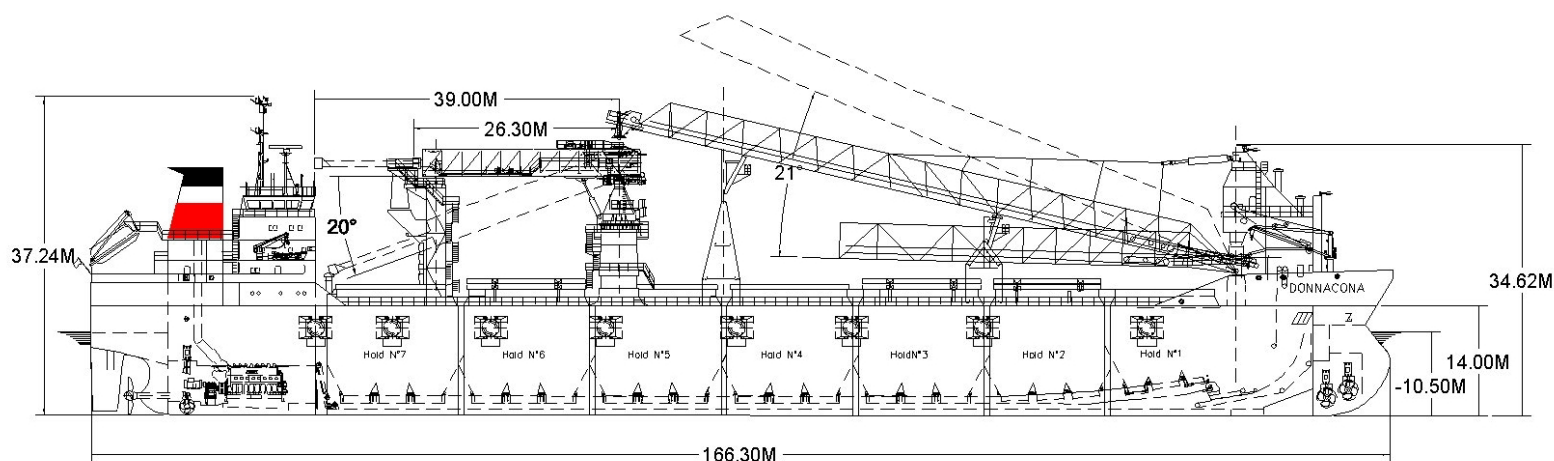
Built	2001 (converted to a transshipment shuttle in 2016)
Classification	LR 100 A1 Bulk Carrier, ESP, LI, LMC, UMS
Length Overall	166.30 metres
Breadth Moulded	24.50 metres
Depth Moulded	14.00 metres
Total Hold Capacity	20,094 cubic metres
Deadweight – Summer	27,172.60 tonnes
Draft	10.51 metres
Gross Tonnage	17,415 tonnes
Net Tonnage	5,743 tonnes
Thrusters	Bow #1: 1,500 kW Bow #2: 1,500 kW Stern: 1,000 kW
Discharge Rate (maximum)	4,400 tonnes/hour

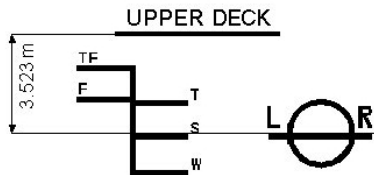
MV *Donnacona* is a transshipment shuttle vessel designed for unloading bulk cargoes into vessels up to cape size.

The vessel is highly maneuverable and fitted with two bow thrusters, one stern thruster and a high lift Schilling rudder.



ASSIGNED DRAFT			
Season	Draft (metre)	Displ. (tonnes)	DWT (tonnes)
TF	10.96	36,120	27,984
F	10.74	35,309	27,173
T	10.72	36,141	28,005
S	10.51	35,309	27,173
W	10.29	34,478	26,342





Lightship 8136.4 t

DEADWEIGHT SCALE - MV DONNACONA											
DRAFT				DISPLACEMENT (tonnes)		TPC (tonnes)	DEADWEIGHT (tonnes)	DRAFT			
Sea Water		Fresh Water						Sea Water			
(metres)	(feet)	(metres)	(feet)					(feet)	(metres)		
11	36	11	36			38.0		36	11		
	34		34		35,000			34			
10		10					25,000		10		
	32		32					32			
9	30	9	30		30,000	37.0		30	9		
	28		28				20,000	28			
8	26	8	26		25,000	36.0		26	8		
	24		24				15,000	24			
7		7							7		
	22		22		20,000	35.0		22			
6	20	6	20				10,000	20	6		
	18		18			34.0		18			
5	16	5	16		15,000			16	5		
	14		14			33.0	5,000	14			
4		4							4		
	12		12		10,000			12			
3	10		10			32.0	0	10	3		
		3	10								

HATCH AND HOLD SPECIFICATIONS

HOLD VOLUMES (CUBIC METRES)

HOLD NUMBER	1	2	3	4	5	6	7	TOTAL
Cubic Volume (Grain)	2,104.50	2,686.90	3,055.00	3,055.70	3,031.20	3,052.10	3,108.00	20,094.00
Maximum Load (Tonnes)	3,060	4,067	4,647	4,657	4,657	4,657	4,754	

HOLD OPENINGS (METERS)

NUMBER OF OPENINGS	1	1	1	1	1	1	1	
Opening Length	12.60	13.30	14.70	14.70	14.70	14.70	14.70	
Opening Width	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
Coaming Height Above Keel	18.03	18.03	18.03	18.03	18.03	18.03	18.03	

HATCH INFORMATION (METRES)

DESCRIPTION	Piggy Back						
Operation	Electric/Hydraulic						
Hatch Length	12.64	13.75	15.15	15.15	15.15	15.15	15.15
Hatch Width	14.05	14.05	14.05	14.05	14.05	14.05	14.05
Hatch Top Height Above Keel (When Hatch Cover Open)	16.76	16.76	16.76	16.76	16.76	16.76	16.76

CARGO HANDLING EQUIPMENT

1 x Hold Conveyor – Feeder Gates

1 Loop Elevating Belt

80 m Self-Unloading Boom

Telescopic Ship Loader

The ship loader is fitted with a telescopic spout

Centrally Operated Self-Tensioning Mooring Winches

All conveyors are covered

Ship Loader - Shuttle in: 28 m, Shuttle out: 40 m

Ship Loader Elevation: +1 degree, - 20 degrees

Fixed Fendering on Starboard Side

Retractable Fendering on Port Side

Cargo Holds Lined with UHMW Plastic

Discharge Rate: 4,200 tonnes/hour

CONSUMPTION (TONNES PER DAY)

	SPEED		MAIN ENGINE MGO		A/E
	Loaded	Ballast	Loaded	Ballast	MGO
Sea	13.50	14.00	25.00	24.00	0.00
Port/ Anchorage			N/A	N/A	1.80
Loading/ Discharge			N/A	N/A	1.80/10.00

All specifications are given in good faith but without guarantee.