

The Florence Spirit is a 136 metre by 21 metre general cargo vessel capable of carrying 13,500 metric tonnes. A modern, gearless bulk carrier with four cargo holds and cement loading ports, she is a versatile vessel with an operating draft of 7.8 metres.

At McKeil Marine we approach each cargo movement and every service with the promise to deliver innovative marine solutions.

Since 1956 we've pushed the boundaries, becoming one of the foremost marine service providers in Canada. Customizable transportation and project solutions including marine transportation, marine construction, project cargo, salvage, towing and ship assist are available throughout the Great Lakes, St. Lawrence Seaway, East Coast and the Canadian Arctic.



MAIN PARTICULARS

Length O.A.	447' 6"	136.40 m
Breadth O.A.	70' 10"	21.60 m
Moulded Depth	37'	11.30 m
Design Draft	25' 7"	7.80 m
Gross Tonnage	8,935 t	
Net Tonnage	4,815 t	
Classification	Bureau Veritas	
Power	4,320 kw (5,794 hp)	
Propulsion	Single Screw & Bowthruster	
Voyage Type	Unrestricted	
Year Built	2004	



GENERAL INFORMATION

Builder	Kyokuyo Shipyard Corp.
Classification	Bureau Veritas
Class Notation	+100A1 + LMC, UMS, IWS
Flag	Canadian
Official Number	839979
IMO	9314600
Port of Registry	Hamilton

ENGINES / PROPULSION

Engines	Wartsila 6L38B with Reinjtes Reduction gear. 4320 kw (5,794 hp)
Aux Engine	2x Yanmar 550kW 1x Deutz 114kW
Generator	2 x Taiyo Electric 480kW 1 x Taiyo Electric 100kW Shaft alternator 1,000kW
Bowthruster	1 x 526kW

HOLD CAPACITIES

	Grain		Bale	
	m ³	ft ³	m ³	ft ³
No. 1 hold	3234	114215	3131	110581
No. 2 hold	5321	187902	5177	182822
No. 3 hold	5439	192073	5293	186926
No. 4 hold	3317	117143	3240	114409
Total	17311	611333	16841	594738

Hatches

Weather tight folding type	
Maximum loading on hatches	1.8mt/m ²
Maximum loading on tank top	20mt/m ²
Mechanical ventilation – 20 changes per hour in empty holds.	

CAPACITIES

Displacement	17,873t
Total Deadweight	14,001t
Ballast	4,100t
Fuel	800m ³
Diesel	160m ³
Fresh Water	200m ³

CONSUMPTION

17t IFO 380 per 24 hours at sea	
At MGO per 24 hours in port	
Speed	Abt. 13.0 knots

NAVIGATION/COMM.

GMDSS (A1,A2,A3 fleet 77),
echo sounder, 2 radars, gyro
& magnetic compass, AP,VDR
navtex, 2 x GPS, AIS.