ELANORA

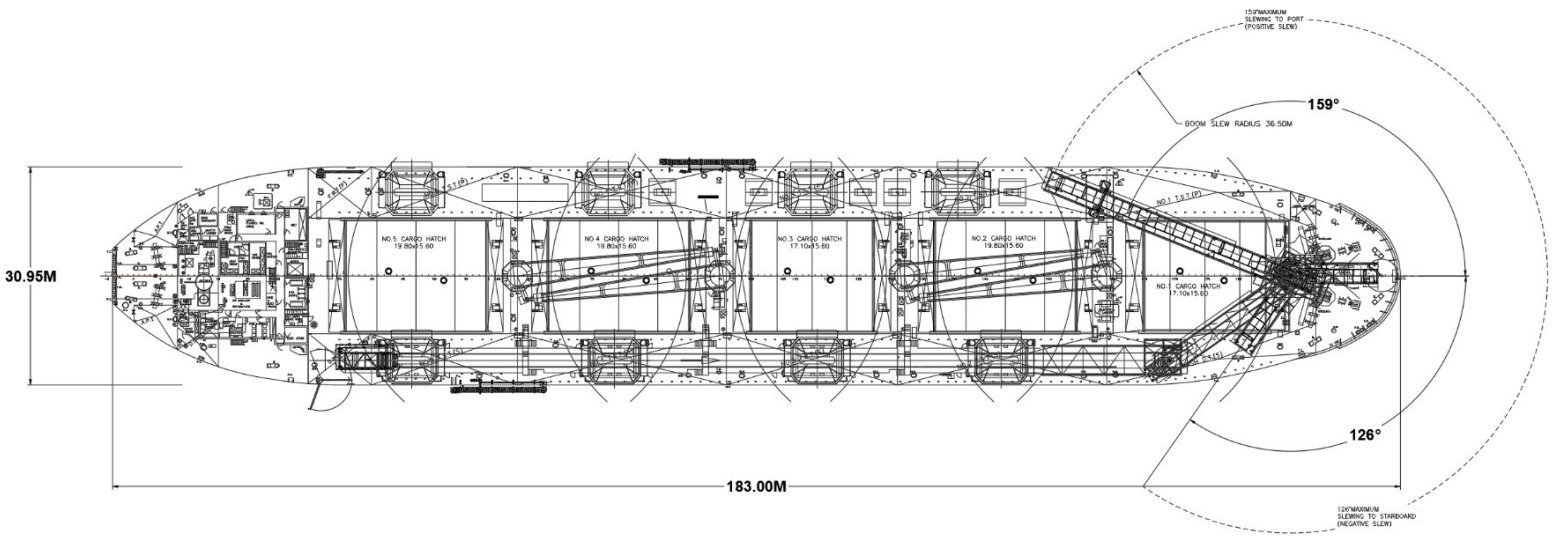
TECHNICAL SPECIFICATION	
Built	2003 (converted to hybrid self-unloader in 2020)
Classification	LR 100 A1 Bulk Carrier, ESP, L1, LMC, UMS
Length Overall	183 metres
Breadth Moulded	30.95 metres
Depth Moulded	16.40 metres
Total Hold Capacity	58,121 cubic metres
Deadweight – Summer	45,546 tonnes
Summer Draft	11.81 metres
Gross Tonnage	25,819 tonnes
Net Tonnage	15,857 tonnes
Bow Thruster	1,600 kW
Length of Boom	36.50
Discharge Rate (maximum)	1,200 tonnes/hour

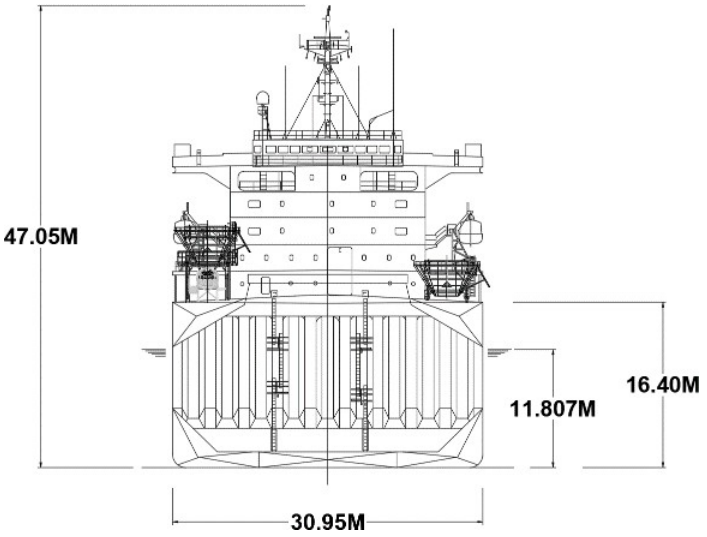
MV *Elanora* is a hybrid self-unloading bulk carrier that operates on the Australian coast. The vessel carries primarily, gypsum, mineral sands, dolomite, sugar, salt and coal.

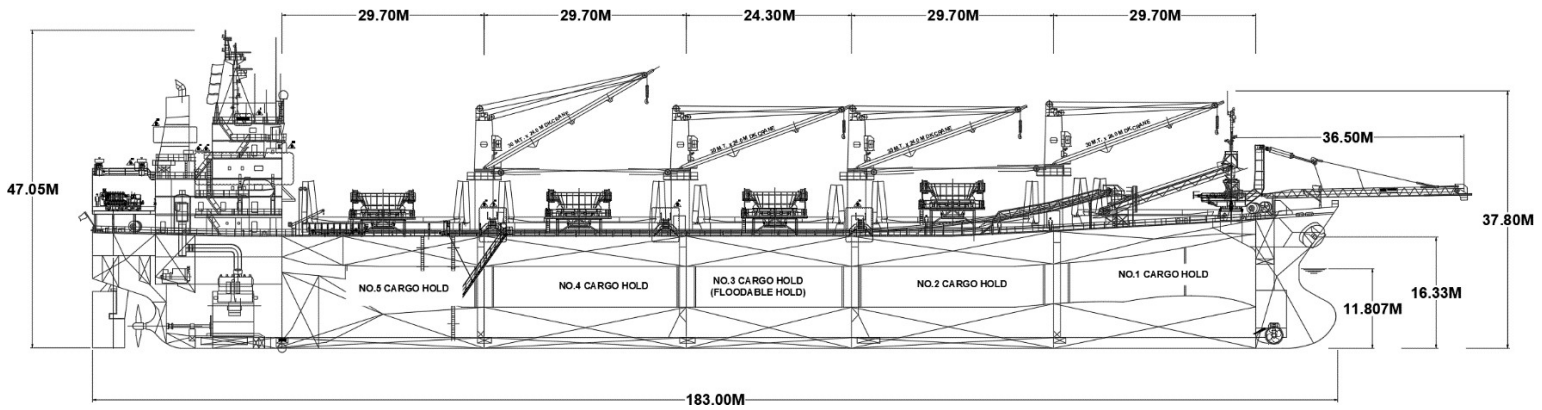
MV *Elanora* was converted from a bulk carrier to a hybrid self-unloader in 2020. The vessel discharges using four cranes into four deck hoppers. A longitudinal conveyor runs under the deck hoppers to an unloading boom at the forward end of the vessel. The 36.5 m boom can be positioned for discharge into a shore hopper, truck hopper, or directly to ground.

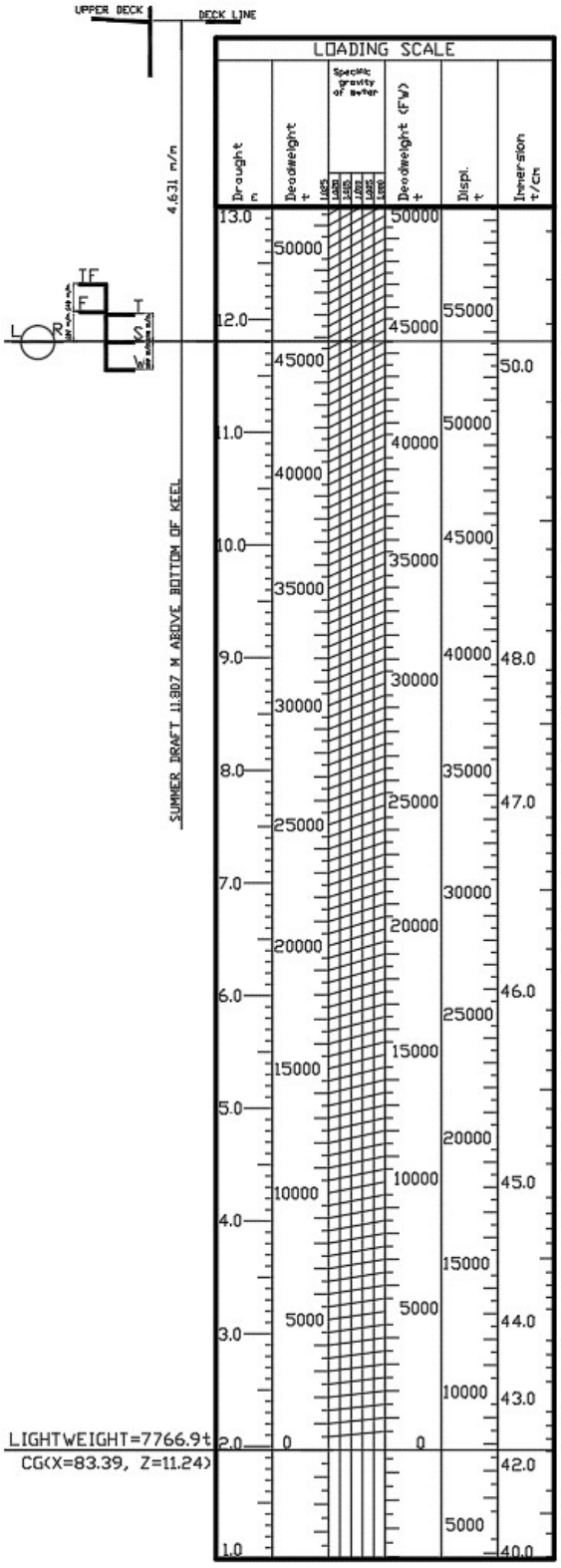
ELANORA

SELF-UNLOADER








UPPER DECK
DECK LINE
LOADING SCALE
Draught m
Deadweight t
Specific gravity of water
Deadweight (FW) t
Displ. t
Immersion t/cm
4.631 m/m
SUMMER DRAFT 11.807 M ABOVE BOTTOM OF KEEL
LIGHTWEIGHT=7766.9t
CG(X=83.39, Z=11.24)

ELANORA

SELF-UNLOADER

HATCH AND HOLD SPECIFICATIONS

HOLD VOLUMES (CUBIC METRES)						
HOLD NUMBER	1	2	3	4	5	TOTAL
Cubic Volume (Grain)	11,807	12,598	10,763	12,572	11,102	58,121
Cubic Volume (Bale)	10,847	12,354	10,562	12,343	10,886	56,992
HOLD OPENINGS (METERS)						
NUMBER OF OPENINGS	1	1	1	1	1	
Opening Length	17.10	19.80	17.10	19.80	19.80	
Opening Width	15.60	15.60	15.60	15.60	15.60	
Coaming Height Above Keel	18.40	18.40	18.40	18.40	18.40	
HATCH INFORMATION (METERS)						
DESCRIPTION	End Folding Panels					
Operation	Electric/Hydraulic					
Hatch Length	20.82	23.09	20.39	23.09	23.09	
Hatch Width	16.34	15.93	15.93	15.93	15.93	
Hatch Top Height Above Keel (When Hatch Cover Open)	20.35	19.25	19.25	19.25	19.25	

CARGO HANDLING EQUIPMENT

- Dust Suppression: Bag house dust collectors fitted on hoppers, conveyors transfers and discharge boom
- 4 x 30t Electrohydraulic Cranes
- 5 x 16 m^3 Grabs
- 4 x 100 m^3 Deck Hoppers
- 1 x 1,400 mm Longitudinal Deck Conveyor
- 1 x 1,400 mm Transfer Conveyor
- 1 x 36.50 m Discharge Boom
- All conveyors are covered
- Boom Slewing: 159 degrees to port, 126 degrees to starboard
- Boom Luffing: Horizontal to +18 degrees
- Discharge Boom Spout (2.39 m retracted and 8.9 m extended)
- Discharge Rate: 1,200 tonnes/hour

CONSUMPTION (TONNES PER DAY)

	SPEED		MAIN ENGINE HFO		A/E
	Loaded	Ballast	Loaded	Ballast	HFO
Sea	13.50	14.00	25.00	22.00	1.70
Port/ Anchorage			N/A	N/A	3.40
Loading/ Discharge			N/A	N/A	3.40/3.50

All specifications are given in good faith but without guarantee.