



Atlantic Star and Sisters

General:	Total 5 vessels under construction at Hudong-Zhonghua Shipbuilding (Group) Co. Ltd. for Atlantic Container Line AB. The vessel is designed as a modern partly open top RoLo vessel carrying containers and RoRo cargo. The RoRo spaces are arranged generally amidships and container bays are arranged in both ends of the vessel. The vessel has a transom stern, high efficiency rudder and single screw fixed pitch propeller directly driven by a slow speed diesel engine. The engine room is located aft. There is a pipe duct between the engine room and the bow thruster room. All living quarters, including the navigation bridge, are located amidships on top of the RoRo area.	
Main Particulars:	Length o.a.	296.00 m
	Length p.p.	287.00 m
	Breadth moulded	37.60 m
	Depth moulded to deck 3	14.00 m
	Depth moulded to deck 4	22.95 m
	Design draught moulded	10.25 m
	Maximum operating draught moulded	11.50 m
	Deadweight (design draught)	abt. 44700 t
	Deadweight (max. operating draught)	abt. 56700 t
Capacity:	Containers:	
	In container holds	1032 TEU
	On weather deck	2777 TEU
	In RoRo cargo area	741 TEU
	RoRo cargo area	28900 sqm
Speed:	Service speed at design draught (90 % MCR)	abt. 18 knots
Propulsion:	Diesel	
	Main Engine	Wärtsila 8RTflex68D
	Installed power	22000 kW
	Auxiliary Engine power	2 x 1990 kW/2 x 2635 kW
	Bow thrusters	2 x 1750 kW
	Stern Thruster	1 x 1750 kW



Miscellaneous:	Classification	RINA C+ CONTAINER SHIP, RO-RO CARGO SHIP, AUT-UMS, ICE CLASS IC, STAR-HULL, GREEN PLUS, MON-SHAFT, PMS.
	Number of vessels built:	5
	IMO number Atlantic Star, (H1695A)	9670573
	IMO number Atlantic Sail, (H1696A)	9670585
	IMO number Atlantic Sea, (H1697A)	9670597
	IMO number Atlantic Sky, (H1698A)	9670602
	IMO number Atlantic Sun, (H1699A)	9670614

Scope of Work: Contract and Basic Design, including:
 General Arrangement and technical specification for contract
 General Arrangement and statutory documents
 Lines plan, CFD and model test assistance
 Intact and damage stability
 Noise and vibration
 Cargo securing manual
 Hull structure design
 FEM verification of hull structure, global and local
 Deck outfitting
 Machinery - engine room design
 Machinery - system design
 Hull engineering
 HVAC
 Electric, instrumentation and automation

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