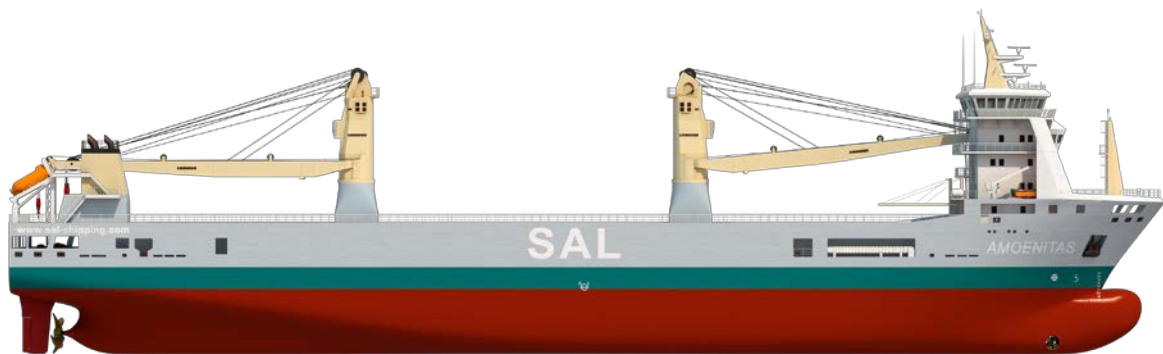




SHIP'S PARTICULARS

TYPE 116

Heavy cargo vessel



SHIP'S PARTICULARS

TYPE 116



MV Calypso	2011/02	Owner:	Harren & Partner SUMO-Shipping GmbH & Co KG
MV Amoenitas	2010/10	Operator:	SAL Heavy Lift GmbH
MV Imke	2010/08	Technical Manager:	Harren & Partner Ship Management GmbH & Co KG
MV Anna	2010/05		Harren & Partner Ship Management GmbH & Co KG
MV Hilke	2010/02		Harren & Partner Ship Management GmbH & Co KG
MV Caroline	2009/12	HSE Manager:	Harren & Partner Ship Management GmbH & Co KG

Classification: HULL GL+100 A5 E3 IW NAV-O BWM SOLAS II-2 Reg. 19 C2P49
Multi-Purpose Dry Cargo Ship, Equipped for Carriage of Containers,
Strengthened for Heavy Lift Cargo Machinery MC E3 AUT

Shipyard: Taizhou, Kouan Shipyard

Ice class: GL E3 equivalent to Finnish / Swedish 1A

Length over all:	133.00 m	Speed @ 85% MCR:	15 kn
Length between perps.:	123.91 m	Air draught (jibs in rest.):	33.57 m
Breadth moulded:	23.00 m		
Breadth over all:	23.00 m		
Depth moulded:	11.40 m		

GT (int'l 69):	11 473 t
NT (int'l 69):	3 834 t
GT (Suez):	12 209.91 t
NT (Suez):	11 317.04 t
NT (Panama):	9 915 t

(Summer)

Draught:	7.80 m
Deadweight:	9 963 t
Freshwater Allowance:	161 mm
Freeboard:	3 612 m
Displacement:	17 013 t

Capacity BW:	7951 m ³
Capacity GO:	84 m ³
Capacity HFO:	1187 m ³
Capacity FW:	171 m ³

Cargo gear: 2 cranes, each 450 t SWL (in combination 900 t); Auxiliary hoist 2 x 35 t SWL

Hatch cover:	TTS lift away type
Number of holds:	1
Number of hatches:	1
Dimension of hold:	94.25 x 16.20 x 13.29 m
Volume of hold:	15 700 m ³

Main Engine:	MAN B & W 6L 48/60B; 7200 kW
Rudder:	Flap type spade rudder (high efficiency rudder)
Bow Thruster:	Jastram BU 90F 600 kW (815 hp)

Certifications:



All 116 Type vessels have a Seaway Approval for the Great Lakes (Canada/U.S.) except MV ANNA.