

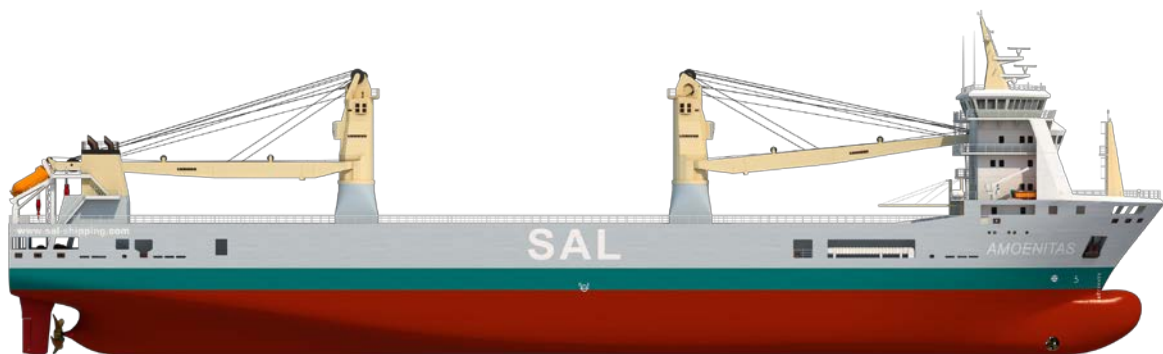
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## SHIP'S PARTICULARS

TYPE 116

Heavy cargo vessel

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# SHIP'S PARTICULARS

## TYPE 116



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

**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

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

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

(Summer)

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

<b>Capacity BW:</b>	7951 m <sup>3</sup>
<b>Capacity GO:</b>	84 m <sup>3</sup>
<b>Capacity HFO:</b>	1187 m <sup>3</sup>
<b>Capacity FW:</b>	171 m <sup>3</sup>

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

<b>Hatch cover:</b>	TTS lift away type
<b>Number of holds:</b>	1
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<b>Dimension of hold:</b>	94.25 x 16.20 x 12.08 m
<b>Volume of hold:</b>	15 700 m <sup>3</sup>

<b>Main Engine:</b>	MAN B & W 6L 48/60B; 7200 kW
<b>Rudder:</b>	Flap type spade rudder (high efficiency rudder)
<b>Bow Thruster:</b>	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.