A total of 7 sister vessels, built by Damen Shipyards in Ukraine and China, is part of the proud Wagenborg fleet.

These vessels are built to the highest standards and with Ice Class 1A, fitted to trade in almost any waters throughout the world.

Great Lakes, Aussie, Panama and Suez are just a few of the areas where these 2 x 80mts geared MPP tweendeckers excel. Especially speed and consumption ratio is very favorable and it enables an excellent competitive position in the market.
Wagenborg Shipping

Wagenborg Shipping is a member of Royal Wagenborg. Founded in 1898, the company continuously invests in various means of transport to serve the needs of a broad variety of customers by sea, shallow water and road offering a complete chain of transport.

Wagenborg companies are, amongst others, involved in shipping, stevedoring, road transport, forwarding, warehousing, crane rental, heavy lifting, heavy transport, oil and gas related services, towage and passenger services. Our integrated logistics solutions are flexible and reliable, provided by our dedicated crew of more than 3,500 employees.

Royal Wagenborg has identified quality, health, safety and the environment according to key factors. Wagenborg Shipping manages its quality according to the ISO 9001, ISO 14001, AEO and Ipirson-standards. Our cargo vessels are ISM and ISPS-certified.

### GENERAL PARTICULARS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWAT</td>
<td>12.016</td>
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<tr>
<td>GT/NT</td>
<td>8.999/4.585</td>
</tr>
<tr>
<td>LOA</td>
<td>142.95m</td>
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<tr>
<td>BOA</td>
<td>18.90m</td>
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<tr>
<td>Moulded depth</td>
<td>10.95m</td>
</tr>
<tr>
<td>Draft Summer/Winter</td>
<td>7.945/7.780m</td>
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<tr>
<td>Height WL/HC ballast</td>
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<tr>
<td>Airdraft ballast</td>
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<tr>
<td>Built</td>
<td>2006-2010</td>
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<tr>
<td>Flag</td>
<td>Dutch</td>
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<tr>
<td>Classification:</td>
<td>Lloyds / Bureau Veritas Finnish/Swedish1A Damen Shipyards HULL+MACH, AUT-UMS, SYS-NEQ 1, General cargo ship, container ship, Heavy cargo, unrestricted navigation, Ice class 1A, LASHING MON-SHAFT</td>
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<tr>
<td>Shipyard</td>
<td>Damen Shipyards</td>
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<tr>
<td>General description:</td>
<td>General cargo ship, container ship, Heavy cargo, unrestricted navigation, Ice class 1A, LASHING MON-SHAFT</td>
</tr>
</tbody>
</table>

### HOLDs

- **Type of holds**
  - Fully open hatch - no understow
  - Fully box and double skinned, narrow stepwise by container dimensions
- **Total capacity**
  - 556.311 grain/bale tweendeck pontoons stored in holds
  - 190.947cbft incl. 1 moveable bulkhead
- **Capacity hold 1**
  - 312.570cbft incl. 1 moveable bulkhead
- **Capacity hold 2**
- **Tanktop strength**
- **Weather deck strength**
- **Dimensions hold 1**
- **Dimensions hold 2**
- **Electrical ventilation**
  - Various

### ENGINE

- **Main Engine**
  - MAK 6M43 6000 kW at 500 rpm
- **Reduction Gear**
  - 1 Flender ratio 4,136
  - output 120 rpm
- **Propeller**
  - CCP Ø 5,00 meters
  - 730 kW
- **Bowthruster**

### TWEENDECKS

#### Hold no 1
- 2 panels A type: 6.93 x 15.65 m
- 2 panels B type: 5.05 x 15.65 m
- 1 panel C type: 3.71 x 15.65 m
- 1 panel D type: 6.72 x 10.33 m
- 1 panel E type: 6.16 x 5.09 m

#### Hold no 2
- 8 panels A type: 6.93 x 15.65 m
- Tweendeck strength: 4.00 mt/m²

### 12.000 geared class sister vessels

- **Morgenstond I**: 2006
- **Trinitas**: 2007
- **Morgenstond II**: 2007
- **Jan van Gent**: 2009
- **Helga**: 2009
- **Aet**: 2010
- **Ijsselborg**: 2010

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WAGENBORG 12.000 GEARED

Particulars believed to be correct, but not guaranteed.
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