Royal Wagenborg in cooperation with Hudong-Zhonghua Shipbuilding Co. Ltd, China has developed a series of 21x 17,300 DWT multipurpose dry cargo vessels.

These vessels are designed with two fully box, high volume, holds of 36 and 52m length and completely open hatch.

The vessels are equipped with a full tweendeck, consisting of removable tweendeck pontoons which can be fitted at different heights. The tweendecks can also be used as class approved separation bulkheads in various positions for efficient loading of grains and other bulk cargos as well as separation of different types of cargo. Tweendecks can be used as vertical bulkheads at every 20ft interval.

Soliddly constructed to ice class 1a, these vessels are fully fitted to trade worldwide, including the Saint Lawrence Seaway, Panama Canal and Suez Canal.

With 3 cranes fixed on portsde the vessels have a lifting capacity of about 10 tons. Each crane with a capacity of 60 mts at a reach of up to 16m or capacity of 40 mts at a reach of up to 28m. The free distance between the cranes is 31 meters.

With these vessels, Royal Wagenborg has set new standards as to versatility, reliability and efficiency.
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 as key factors. Wagenborg Shipping manages its quality according to the ISO 9001, ISO 14001, AEO and AET-standards. Our cargo vessels are ISM and ISPS-certified.

**General particulars**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>DWAT</td>
<td>17.323</td>
</tr>
<tr>
<td>DWCC Summer</td>
<td>15.750</td>
</tr>
<tr>
<td>DWCC Winter</td>
<td>15.550</td>
</tr>
<tr>
<td>GT/NT</td>
<td>11.864/5.650</td>
</tr>
<tr>
<td>LOA</td>
<td>142.90m</td>
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<tr>
<td>LBPP</td>
<td>133.36m</td>
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<tr>
<td>BOA</td>
<td>21.50m</td>
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<tr>
<td>Moulded depth</td>
<td>13.30m</td>
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<tr>
<td>Draft Summer/Winter</td>
<td>9.690/9.505m</td>
</tr>
<tr>
<td>Height WL-HC in ballast</td>
<td>10.50m</td>
</tr>
<tr>
<td>Airdraft in ballast</td>
<td>35.40m</td>
</tr>
<tr>
<td>Built</td>
<td>2006-2012</td>
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<tr>
<td>Flag</td>
<td>Dutch</td>
</tr>
<tr>
<td>Homeport</td>
<td>Delfzijl</td>
</tr>
<tr>
<td>Iceclass</td>
<td>Finnish/Swedish 1A</td>
</tr>
<tr>
<td>Shipyard</td>
<td>Hudong-Zhonghua, China</td>
</tr>
<tr>
<td>General description:</td>
<td>100A1, Strengthened for Heavy Cargoes, Any Holds may be Empty, Container Cargoes in all Holds and on Upper Deck and on all Hatch Covers, IWS, LI, LMC, UMS, NAV1</td>
</tr>
</tbody>
</table>

**Holds/Hatches**

- **Type of holds**
- **Capacity**
- **Capacity hold 1**
- **Capacity hold 2**
- **Tweendecks**
- **Tanktop strength**
- **Tweendeck strength**
- **Weather deck strength**
- **Strongbeam**
- **Dimensions hold 1**
- **Dimensions hatch 1**
- **Dimensions hold 2**
- **Dimensions hatch 2**
- **Hatchcover type**
- **Electrical ventilation**
- **Various**

**Engine**

- **Main engine**
  - Wärtsilä 6L46F 7500 kW
- **Speed/consumption**
  - 14 kn/20.00 mts basis
  - 7.60 m draft
- **Fuel**
  - IFO RMG 380 ISO
  - 8217/2005
- **Gear**
  - 3 cranes each with capacity of 60 mts
- **Bowthruster**
  - 750kW

**Insurance**

- **Classification**
- **P and I club**
- **H&M Insurer**
- **Insurance value**

Lloyd’s Register
North of England P&I Association
Loyal Insurance Broker BV
Euro 30.000.000,-

**A-class sister vessels**

- Amstelborg 2006
- Arneborg 2006
- Africaborg 2007
- Amazoneborg 2007
- Asiabor 2007
- Americaborg 2007
- Australiaborg 2007
- Azoresborg 2010
- Arubaborg 2010
- Albanyborg 2010
- Aragonborg 2010
- Andesborg 2011
- Amurborg 2011
- Alamosborg 2011
- Adriaticborg 2011
- Alaskaborg 2012
- Avonborg 2012
- Atlanticborg 2012

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**Hold/Hatches**

- Type of holds: Box
- Capacity: 707.633 cbft
  - Capacity hold 1: 269.401 cbft
  - Capacity hold 2: 438.232 cbft
- Tweendecks: 14 tweendeck pontoons
- Tanktop strength: 20.00 mt/m²
- Tweendeck strength: 4.00 mt/m²
- Weather deck strength: 1.75 mt/m²
- Strongbeam: No

**Dimensions**

- Dimensions hold 1: 35.80 x 17.75 x 13.50 m
- Dimensions hatch 1: 35.80 x 17.75
- Dimensions hold 2: 52.10 x 17.75 x 13.50 m
- Dimensions hatch 2: 52.10 x 17.75

**Hatchcover type**: MacGregor Navire Hydraulic steel pontoon hatches

**Electrical ventilation**: Hold ventilation 12 air changes per hour. Both holds are fitted with dehumidifier system

**Insurance**

- Classification: Lloyd's Register
- P and I club: North of England P&I Association
- H&M Insurer: Loyal Insurance Broker BV
- Insurance value: Euro 30,000,000

Particulars believed to be correct, but not guaranteed.
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- www.linkedin.com/company/wagenborg

**2014/03**