<table>
<thead>
<tr>
<th>Boat Type</th>
<th>Speed (knots)</th>
<th>Capacity</th>
<th>Cars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast Ferries</td>
<td>10 - 20</td>
<td>12 - 45</td>
<td></td>
</tr>
<tr>
<td>Waterbuses</td>
<td>15 - 25</td>
<td>20 - 65</td>
<td></td>
</tr>
<tr>
<td>Fast Ropax</td>
<td>20 - 40</td>
<td>25 - 120</td>
<td></td>
</tr>
<tr>
<td>Ropax</td>
<td>25 - 40</td>
<td>40 - 200</td>
<td></td>
</tr>
<tr>
<td>Water Taxis</td>
<td>10 - 25</td>
<td>10 - 50</td>
<td></td>
</tr>
<tr>
<td>Ferries</td>
<td>10 - 20</td>
<td>10 - 50</td>
<td></td>
</tr>
<tr>
<td>Modular Ferries</td>
<td>10 - 20</td>
<td>10 - 50</td>
<td></td>
</tr>
<tr>
<td>Auxiliaries</td>
<td>10 - 20</td>
<td>10 - 50</td>
<td></td>
</tr>
<tr>
<td>Damen Services</td>
<td>10 - 20</td>
<td>10 - 50</td>
<td></td>
</tr>
</tbody>
</table>

Speed: 10, 15, 20, 25, 30, 35, 40

Capacity: 10, 20, 25, 30, 35, 40, 45, 50, 60, 100, 200, 300, 400, 500, 600, 1000

Cars: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200
Ferries are an essential link in a public transport system and Damen builds perfectly tailored, fuel-efficient ferries to suit urban transport networks.

Damen ferries can be seen in operation all over the world. We offer standard designs for (fast) ferries, water taxis, water buses, RoPax and double ended ferries, as well as many other types of vessels that have been developed for specific circumstances. Most fast ferries are built at the ultra-modern Damen Shipyards Singapore, one of the most experienced ferry builders in the world with a world-class reputation for aluminium fast ferries, patrol vessels, crew suppliers and workboats.
Damen’s focus on standardisation is undoubtedly one of our fundamental corporate values. In 1969, Jan Damen handed the reigns over to his son Kommer Damen. The modular building concept was one of the first initiatives Kommer Damen introduced after listening carefully to client feedback. Four decades ago the standardisation concept was totally new in the shipbuilding industry and today it is still unique. In each of our niche markets – from luxury yachts to dredgers – Damen has developed a standard range. Although these vessels are based on a standard design, they can be equipped with a large range of options to meet specific customer requirements. Our standard designs can be tailor-made according to customer wishes or we can of course, start from scratch and design a unique vessel. All of these options are no problem with Damen’s far-reaching capabilities.

_key to success_

Damen is your partner for both standard designs and for unique custom designs. We have decades of experience, a diverse portfolio of products and all the in-house expertise needed. All of this will ensure the best end result.
HULLS IN STOCK
PROVEN DESIGN, SHORT TERM DELIVERY

Damen’s standardisation policy allows us to reduce delivery times substantially. We build a wide variety of standard vessels on our own account and keep them in stock. All of our standard designs are worked out to the smallest detail. Therefore Damen can deliver fully finished vessels very quickly and efficiently. The vessels are produced at our shipyards worldwide, close to our customers. This results in an efficient delivery process at the best price-quality ratio.

STANDARDISATION ENSURES SHORT DELIVERY TIMES
The delivery time of a Damen standardised vessel is considerably shorter than a conventionally built vessel due to years of refining the engineering, supply chain and hull fabrication process.

DAMEN STANDARD
CONVENTIONAL SHIPBUILDING
Damen has vast experience in the use of composites ranging from tough applications for the offshore industry to high tech interceptors for navies as well as for water taxis.

Each ferry is designed and engineered in full 3D. This enables Damen to efficiently plan and execute construction. Every space in the vessel is virtually fitted-out to evaluate weight and performance, as well as to create efficient lay-outs. 3D engineering is the point of departure for complex logistical processes that make global construction possible.

Damen’s extensive R&D Department represents a powerful force, especially when combined with the Dutch maritime technology cluster. All Damen vessels benefit from thorough R&D from their initial design, throughout the vessel’s entire lifetime. Our team is continuously improving our vessels, making them faster, quieter, more cost-efficient and more environmentally friendly. Many years of research have also led to some truly pioneering designs such as the Enlarged Ship Concept and the Sea Axe.

All Damen vessels benefit from knowledge gathered during ongoing research programmes within the Group. Damen works alongside world-renowned research institutes like Delft University of Technology, Maritime Research Institute Netherlands (MARIN) and the Netherlands Organisation of Applied Scientific Research (TNO), as well as other reputed universities and leading maritime companies.
The maritime industry recognises the increasing urge for environmental awareness. Damen is proactive in developing sustainable and cost-effective vessels and services. Damen’s Research & Development department is looking into sustainability issues, both in terms of manufacturing processes and in terms of product improvements.

**SUSTAINABILITY THROUGH THE ENTIRE LIFECYCLE**

Damen has developed several attractive ecological solutions for vessel propulsion. They provide a large reduction in NOx, and PM emissions. Efficient hull forms and lightweight material means that energy demand can be reduced to modest levels. Ferries can be ideally suited for LNG propulsion. Tailored designs are also available.

**GLOBAL PRESENCE**

**FOUNDED IN THE NETHERLANDS**

**THE NETHERLANDS**
Damen Shipyards Gorinchem
Damen Marine Services
Damen Trading
Damen Schelde Naval Shipbuilding
Damen Schelde Gears
Damen Schelde Marine Services Vlissingen
Amels
Bodewes Binnenvaart Millingen
Damen Dredging Equipment
Damen Marine Components
Damen Shipyards Rotterdam
Damen Anchor & Chain Factory
Damen Shipyards Bergum
Damen Shipyards Hardinxveld
Maaskant Shipyards Stellendam
Oranjewerf
Scheldepoort
Van Brink Rotterdam
Damen Shipyards Den Helder

**POLAND**
Damen Shipyards Gdynia
Damen Shipyards Koźle
Damen Marine Components Gdańsk

**UNITED KINGDOM**
Brixham Marine Services

**SWEDEN**
Damen Shipyards Göteborg
Oskarshamnvarvet

**ROMANIA**
Damen Shipyards Galați

**FRANCE**
Damen Shipyard Brest

**CUBA**
Damex*

**BRAZIL**
Wilson, Sons**

**U.A.E.**
Albwardy Marine Engineering*
Damen Shipyards Sharjah (FZE)*

**QATAR**
Nakilat Damen Shipyards Qatar*

**SOUTH AFRICA**
Damen Shipyards Cape Town

**POLAND**
Damen Shipyards Gdynia
Damen Shipyards Koźle
Damen Marine Components Gdańsk

**UNITED KINGDOM**
Brixham Marine Services

**SWEDEN**
Damen Shipyards Göteborg
Oskarshamnvarvet

**ROMANIA**
Damen Shipyards Galați

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**QATAR**
Nakilat Damen Shipyards Qatar*

**SOUTH AFRICA**
Damen Shipyards Cape Town

**CHINA**
Damen Marine Components Suzhou
Damen Trading Suzhou
Damen Yichang Shipyard*
Damen Shipyards Changde
Afi Southern Shipyard*
Jiangsu Ganghua Shipyard Co. Ltd**

**VIETNAM**
Damen Song Cam Shipyard
Song Cam Shipyard**
Song Thu Shipyard**
189 Shipyard**

**SINGAPORE**
Damen Shipyards Singapore
Damen Schelde Marine Services Singapore

**INDONESIA**
PT Dumas**
PT Pal**
PT Steadfast Marine**

* Joint venture  ** Business cooperation
Fast Ferries have been developed in a standard range of models between 32m and 42m. The ferries are all based on the same technology, with fuel-efficient hulls made of lightweight aluminum. Propulsion is through water jets, controllable pitch propeller propulsion or fixed pitch propeller propulsion. Each Fast Ferry is equipped with state-of-the-art electronic equipment and passenger accommodation built to the highest standards.

Damen builds perfectly tailored, fuel-efficient Fast Ferries for public transport. Most of our Fast Ferries are built at the ultra-modern Damen Shipyards Singapore, one of the most experienced ferry builders in the world. Our fast ferries are known worldwide for their efficiency and proven catamaran design.
FAST FERRIES

<table>
<thead>
<tr>
<th></th>
<th>FAST FERRY 3209</th>
<th>FAST FERRY 4010</th>
<th>FAST FERRY 4212</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRINCIPAL DIMENSIONS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length o.a.</td>
<td>32.0 m</td>
<td>40.0 m</td>
<td>42.2 m</td>
</tr>
<tr>
<td>Beam o.a.</td>
<td>9.8 m</td>
<td>10.7 m</td>
<td>11.6 m</td>
</tr>
<tr>
<td>Depth</td>
<td>3.3 m</td>
<td>3.6 m</td>
<td>3.8 m</td>
</tr>
<tr>
<td>Speed</td>
<td>27-30 kn</td>
<td>27-36 kn</td>
<td>38-40 kn</td>
</tr>
<tr>
<td>Capacity</td>
<td>260 pax</td>
<td>445 pax</td>
<td>447 pax</td>
</tr>
</tbody>
</table>
The Damen Fast Ferry 3609 is a good example of a modern, efficient vessel with robust technology, which is easy to maintain. In combination with a large deck store 200 passengers can be accommodated with optional kiosk, entertainment systems and a large fuel capacity for long distance operations.
EASY ACCESS FOR PASSENGERS
The Damen Water Bus is one of the most fuel-efficient, low wash vessels in service today. The vessel incorporates a specially designed system for the transfer of passengers, bicycles and wheelchairs. Passengers travel in style surrounded by high quality design and comfortable outfitting.
Damen has developed a standard series of water buses made of composites. The modular design is suitable for a large variety of requirements. Water buses can be deployed as taxis, sightseeing boats, commuter ferries, for dinner cruises and many other uses.

Essentially the same vessel can be built in various configurations.
The Damen Water Bus is one of the most fuel-efficient low wash vessels in use today.

<table>
<thead>
<tr>
<th>WATER BUS 1606</th>
<th>WATER BUS 2006</th>
<th>WATER BUS 2407</th>
<th>WATER BUS 3007</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length o.a.</strong></td>
<td>16 m</td>
<td>20 m</td>
<td>24 m</td>
</tr>
<tr>
<td><strong>Beam o.a.</strong></td>
<td>6 m</td>
<td>6 m</td>
<td>7 m</td>
</tr>
<tr>
<td><strong>Draught</strong></td>
<td>1.10 m</td>
<td>1.10 m</td>
<td>1.10 m</td>
</tr>
<tr>
<td><strong>Speed</strong></td>
<td>23.0 kn</td>
<td>23.0 kn</td>
<td>23.0 kn</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>40 pax</td>
<td>75 pax</td>
<td>100 pax</td>
</tr>
</tbody>
</table>
Damen builds Fast Ropax vessels that are perfectly tailored to the owner’s specific requirements. They are designed to integrate into public transport systems to ensure that passengers, cars and trucks can board as efficiently as possible. The Fast RoPax Ferries are built in Damen yards around the world.

<table>
<thead>
<tr>
<th>PRINCIPAL DIMENSIONS</th>
<th>FAST ROPAX 4512</th>
<th>FAST ROPAX 6217</th>
<th>FAST ROPAX 8521</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length o.a.</td>
<td>45.0 m</td>
<td>62.0 m</td>
<td>85.0 m</td>
</tr>
<tr>
<td>Beam o.a.</td>
<td>12.0 m</td>
<td>17.0 m</td>
<td>21.0 m</td>
</tr>
<tr>
<td>Depth</td>
<td>4.6 m</td>
<td>5.5 m</td>
<td>6.5 m</td>
</tr>
<tr>
<td>Speed</td>
<td>18 - 22 kn</td>
<td>40 kn</td>
<td>22 kn</td>
</tr>
<tr>
<td>Capacity</td>
<td>158 pax</td>
<td>606 pax</td>
<td>600 pax</td>
</tr>
<tr>
<td></td>
<td>16 pickups + 3 trucks</td>
<td>38 cars or 9 trucks</td>
<td>112 cars</td>
</tr>
</tbody>
</table>
Damen builds perfectly tailored Fast Ropax Ferries at various locations around the world. The vessels are highly efficient and comply with all the international safety standards such as High Speed Craft Code 2000. Cars or trucks can be loaded through stern and/or front ramps. Comfortable passenger saloons, with excellent catering facilities, are located on the upper decks.
Damen Ropax ferries are an excellent means of waterborne public transport. They provide safe and efficient crossings for cars, trucks and passengers. Damen Ropax vessels can be tailored to include extensive catering facilities, public information systems and very good accessibility for disabled people. Car decks have ample space, generous lighting and an excellent ventilation system.

**ROPAX 13023**

**PRINCIPAL DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length o.a.</td>
<td>130.4 m</td>
</tr>
<tr>
<td>Beam o.a.</td>
<td>22.7 m</td>
</tr>
<tr>
<td>Depth</td>
<td>7.2 m</td>
</tr>
<tr>
<td>Speed</td>
<td>15.7 kn</td>
</tr>
<tr>
<td>Capacity</td>
<td>1750 pax</td>
</tr>
<tr>
<td></td>
<td>704 lane meters</td>
</tr>
</tbody>
</table>
Damen has developed state-of-the-art, composite Water Taxis suitable for any operation. Damen Water Taxis are tailored for on-demand passenger transport. Hulls can be monohull or catamaran and the Water Taxis can have an optimum configuration for up to 12 passenger seats fitted with video and audio equipment. Speeds range from 15 to 35 knots.
Damen River Ferries are excellent examples of high quality, purpose-built passenger craft that can operate in estuaries, rivers, ports and protected waters. These ferries come in a variety of types, from double ended, steel ferries to high speed, aluminum commuter ferries. Damen Ferries carry passengers, cars, bicycles and miscellaneous, light cargo.
FERRIES

DAMEN DOUBLE ENDED FERRY 2106

DAMEN RIVER FERRY 1706
Damen Modular Construction
The Damen Modular Barge (DMB) is the fundamental building block for your modular vessel or platform. The container-sized barge modules, coupled by the patented Damen Link, are transportable to remote areas and can be used in any sea, lake or river. Consequently, many applications are possible.

- Ferries
- Rangers
- Jetties
- Landing Pontoons

**MODULAR FERRIES**
Damen can design and construct suitable landing platforms that will perfectly fit the ferry. They can be made of steel, concrete or composite or other suitable construction material. Landing pontoons can include ramps to shore, covered and/or enclosed waiting areas, lighting systems, dedicated fenders etc.
Damen Services offers a wide-ranging portfolio of customer support and after-sales services covering the complete vessel’s lifecycle; through the start-up and deployment phases, to the second life or disposal phase.

We believe that our wide range of products helps our customers achieve their goals in terms of availability, reliability and lifecycle costs. Customers may benefit by using one of our services or a strategic combination of several products.
FERRY SPECIALS

TOP ROW, LEFT TO RIGHT
DAMEN FAST FERRY 4512
DAMEN FAST FERRY 4010
DAMEN FAST FERRY 3810
DAMEN FAST FERRY 3717 (SWATH)

MIDDLE ROW, LEFT TO RIGHT
DAMEN STAN FERRY 4010
DAMEN RIVER FERRY 1706
DAMEN STAN FERRY 2200
DAMEN STAN FERRY 2207
DAMEN WPC 5114
DAMEN WATER BUS 3207

BOTTOM ROW, LEFT TO RIGHT
DAMEN FAST FERRY 5012
DAMEN FAST FERRY 3810
DAMEN FAST FERRY 3009
DAMEN FAST FERRY 4917

COLOPHON

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Damen Shipyards Group puts every effort into presenting the correct information in its brochures and publications. As circumstances (incl. regulations, vessel designs etc.) are susceptible to change, Damen is not responsible for any deviations concerning complete, correct and up-to-date information.

If you have any comments on our brochures, please let us know: info@damen.com

BACK COVER
The Damen Fast Ferry ‘Knola’ (Cape Verde Islands) is a good example of a Damen ferry, creating essential links and bringing local communities together.