Marine Sunroofs
Product Platform & References
The sky so close – opening new horizons with our roof solutions

Webasto offers a wide range of roof solutions, whether you are looking for a standard roof size with easy installation or a more customizable platform for your individual needs. As our customer you will additionally benefit from our technological leadership and knowledge brought over from our experience in the automotive sunroof industry.

Our standard solutions

Comfortable ready-to-go-platforms.
These are very economical solutions for more light and fresh air on board with a robust and proven construction. Our pre-mounted solution includes all necessary hardware allowing super quick and easy installation.

Compliment your roof with our elegant shading solution.
Together with Oceanair, Webasto has developed an elegant shading solution to complement their range of large roof systems. Uniquely, this combined blind and flyscreen solution is UV resistant and fully marinized for life on the water.

Webasto engineering services

Add value to your boats and your brand image by developing your own roof system with us.
We create unique, exclusive roof systems that match your exact specifications. Our phased project approach guarantees you limited risks, a possible exit at any stage and of course joint teams and know-how transfer. Take comfort in knowing that you are involved in every stage, and have the opportunity to use our engineering and manufacturing capabilities for high quality results.
A roof solution for every boat

The 20-Series
A very economical manual sliding roof for more light and fresh air on board. The roof is fully tested and pre-assembled including all necessary hardware allowing quick and easy installation.
- Standard roof with large opening
- Watertight sealing
- Robust and proven construction
- Manual operation
- Stepless locking system

The 40-Series
This roof platform offers a sleek, low profile design to be able to fit in smaller boats. The roof is electrical operated, extremely quiet, and is delivered fully assembled, tested and ready to be installed.
- Attractive design with safety glass
- Watertight sealing
- Fast and simple installation
- Robust and quality-tested design
- Optional fixed glass panel for panoramic views

The 60-Series
This series offers multiple customization options for a perfect fit. The roof is delivered fully tested, pre-assembled and ready-to-be-mounted at the shipyard thus resulting in significant cost saving for the boat builder.
- Customizable roof system
- Watertight sealing
- Robust and proven construction
- Electrical operation
- Smooth automotive style mechanism

The 80- & 120-Series
A completely dedicated roof solution whereby application engineering and a close cooperation with the shipyard is required. The roof is delivered fully tested, pre-assembled and ready-to-be-mounted.
- Fully integrated roof design
- Watertight sealing
- Very large dimensions and opening
- Selection of different panel materials
- Double curved solution is possible

The 150-Series
A perfect solution for demanding roof projects. The fully integrated roof consists of a moving and a fixed panel. The panels are fully flush and the double curvature allows extra ordinary design possibilities.
- Fully integrated roof design
- Watertight sealing
- Selection of different panel materials
- Extra large dimensions and opening
- Sliding panel is tilting at rear and front side

The Soft Top
The Soft Top benefits from the automotive folding roof technology resulting in an elegant and luxury design. The system is available in 3 sizes and the fabric can be offered in various colors.
- Exclusive automotive style folding roof
- 3 Standard sizes or dedicated dimensions
- Various colors for the fabric
- Fabric on the inside and outside
- Smooth automotive style mechanism
### 60-Series

- **Roof type**
  - 60-Series
- **Top mount**
- **Acrylic panel**
- **Anodized frame**
- **Motor cover**
- **Sunblind/flyscreen**

- **Brand and model**
  - Maritimo 73

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### 40-Series

- **Roof type**
  - 40-Series
- **Optional Hercules blind and flyscreen**

- **Brand and model**
  - Grady White 375 Freedom

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- **Brand and model**
  - Maritimo 73
60-Series

Roof type
60-Series
Flush integrated
Glass panel
Anodized frame
Motor cover
Fixed glass panel in front

Brand and model
Chris Craft Corsair 36 HT

80-Series

Roof type
80-Series
Flush integrated
Glass panel
Square shape

Brand and model
Elandra 53

60-Series

Roof type
60-Series
Top Mount
Glass panel
Anodized frame
Motor cover

Brand and model
Maritimo C50

80-Series

Roof type
80-Series
Flush integrated
Glass panel
Square shape
Sun rollo’s

Brand and model
Jeanneau NC 14
80-Series

Roof type
80-Series
Flush integrated
GRP panel
D-shape

Brand and model
Jeanneau Prestige 60S

80-Series

Roof type
80-Series
Flush integrated
Sandwich panel
D-shape

Brand and model
Linssen Range Cruiser 450

80-Series

Roof type
80-Series
Flush integrated
GRP panel
D-shape

Brand and model
Jeanneau Prestige 60S

80-Series

Roof type
80-Series
Flush integrated
Sandwich panel
D-shape

Brand and model
Linssen Range Cruiser 450
80-Series

- Roof type: 80-Series
- Flush integrated
- GRP panel
- D-shape
- Double curved
- Brand and model: Lazzara LSX 64

120-Series

- Roof type: 120-Series
- Flush integrated
- Glass panel
- D-shape
- Brand and model: Bavaria Virtess 420
150-Series

Roof type
150-Series
Flush integrated
GRP panels
D-shape

Brand and model
Cranchi 56 Soft Top

Soft Top

Roof type
Soft Top
Flush integrated
4 folding
D-shape

Brand and model
Cranchi 56 Soft Top

150-Series

Roof type
150-Series
Flush integrated
GRP panels
D-shape

Brand and model
Delta Power

Soft Top

Roof type
Soft Top
Flush integrated
4 folding
D-shape

Brand and model
Cranchi 64 HT

150-Series

Roof type
150-Series
Flush integrated
GRP panels
D-shape

Brand and model
Cranchi 64 HT

Soft Top

Roof type
Soft Top
Flush integrated
4 folding
D-shape

Brand and model
Cranchi 56 Soft Top
20-Series specifications
One size fits all

Select options
- Sunblind/flyscreen

Note: Electrical version available from 2014

<table>
<thead>
<tr>
<th>Technical specifications</th>
<th>20-Series</th>
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<tbody>
<tr>
<td>Frame material</td>
<td>Aluminum</td>
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<td>Panel material</td>
<td>8 mm tempered safety glass/Grey tinted</td>
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<tr>
<td>Sliding rail material</td>
<td>Aluminum</td>
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<tr>
<td>Overall dimensions</td>
<td>1,995 x 1,010 mm</td>
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<td>Cut-out length (L1)</td>
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<td>Cut-out width (W1)</td>
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<td>80 mm</td>
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<td>Operation mode</td>
<td>Manual, stepless locking</td>
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<td>Opening dimension</td>
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<tr>
<td>Weight</td>
<td>approx. 45 kg</td>
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Technical specifications are subject to change without prior notice

40-Series specifications
A perfect fit

Select options
- Fixed panel
- Sunblind/flyscreen
- Motor cover

<table>
<thead>
<tr>
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<tr>
<td>Sliding rail material</td>
<td>Aluminum</td>
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<tr>
<td>Overall dimensions</td>
<td>1,665 x 1,379 mm (1,865 x 1,379 with fixed panel)</td>
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<td>Cut-out length (L1)</td>
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<td>Corner radius (FRC, RCR)</td>
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<td>Front radius (R3)</td>
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<tr>
<td>Operation mode</td>
<td>Electrical 12 VDC</td>
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<td>Opening dimension</td>
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<tr>
<td>Weight</td>
<td>approx. 65 kg</td>
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Technical specifications are subject to change without prior notice
60-Series customization possibilities

5 steps to customize your roof

1. Select roof type:
   - Top mount
   - Flush integrated

2. Define dimensions:
   - Length
   - Width
   - Curvature

3. Select panel design:
   - Acrylic
   - Glass
   - Sandwich

4. Select frame finish:
   - Anodizing
   - Powder coating

5. Select options:
   - Motor cover
   - Fixed panel
   - Sunblind/flyscreen

Technical specifications

<table>
<thead>
<tr>
<th>Maximum cut-out size dimensions for our customized roofs</th>
<th>Max. length (L1) (mm)</th>
<th>Max. width (W1) (mm)</th>
<th>Corner curvature (R1) (mm)</th>
<th>Min. cross curvature (R2) (mm)</th>
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<tr>
<td>Figure 1 Roof without cross beam</td>
<td>1,100</td>
<td>1,100</td>
<td>80</td>
<td>7,500</td>
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<tr>
<td>Figure 2 Roof with cross beam in sliding direction</td>
<td>1,100</td>
<td>1,800</td>
<td>80</td>
<td>7,500</td>
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<tr>
<td>Figure 3 Roof with cross beam perpendicular to sliding direction</td>
<td>1,500</td>
<td>1,100</td>
<td>80</td>
<td>7,500</td>
</tr>
</tbody>
</table>

80-/120-Series customization possibilities

5 steps to customize your roof

1. Select panel design:
   - Glass
   - GRP
   - Sandwich

2. Select roof shape:
   - Square
   - D-shape

3. Define dimensions:
   - Length
   - Width
   - Curvatures

4. Select design:
   - Glass color
   - Frame color

5. Select options:
   - Fixed panel
   - Sunblind/flyscreen
   - 24 VDC (12 VDC is standard)

Technical specifications

<table>
<thead>
<tr>
<th>Dimension code</th>
<th>Description</th>
<th>Glass</th>
<th>GRP</th>
<th>Sandwich</th>
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<tr>
<td>W1</td>
<td>Maximum width</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
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<tr>
<td>L1</td>
<td>Maximum length</td>
<td>1,900</td>
<td>2,400</td>
<td>1,900</td>
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<tr>
<td>R2</td>
<td>Minimum cross radius</td>
<td>7,500</td>
<td>7,500</td>
<td>7,500</td>
</tr>
<tr>
<td>R3</td>
<td>Minimum front radius</td>
<td>2,500</td>
<td>2,500</td>
<td>2,500</td>
</tr>
<tr>
<td>R4</td>
<td>Minimum length radius</td>
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<td>5,000</td>
<td>N.A.</td>
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<td>Mitred or R = 80</td>
<td>Mitred or R = 80</td>
</tr>
<tr>
<td>RCR</td>
<td>Rear corner radius</td>
<td>Mitred or R = 80</td>
<td>Mitred or R = 80</td>
<td>Mitred or R = 80</td>
</tr>
</tbody>
</table>

Remark: All dimensions are in mm

Maximum dimension of glass and GRP panel is defined by maximum weight of 80/120 kg
Glass panel and Sandwich panel only have a cross radius (single bended)
Glass panel and Sandwich panel have fixed radius of: 7,500; 10,000; 15,000; 30,000 mm
150-Series II customization possibilities

**Full flush & extra large solution**

1. Select panel design:
   - Glass
   - GRP
   - Sandwich

2. Define dimensions:
   - Length (total system app. 4,000 mm)
   - Width (total system app. 2,500 mm)
   - Curvatures

3. Technical specifications:
   - Frame: Stainless steel construction. Laser cut & welded
   - Seal: Inside seal fixed to GRP Hard Top for 100% water tightness
   - Mechanism: Tilting and sliding mechanism fixed to frame parts. Mechanism is including fixation brackets for the panel
   - Drive system: 24 VDC motor fixed onto the frame part and connected to mechanism
   - Panel: Front and rear panel
   - Manual override: Special key to operate the roof manually (e.g. in case of power failure)

Soft Top specifications

**3 standard sizes**

1. Standard sizes:
   - 2 Fold
   - 3 Fold
   - 4 Fold

2. Customization possibilities:
   - Within the above 3 standard sizes it is possible to change width, front-, cross- and length-curvature. The overall length is directly related to the amount of folds and the front curvature and width.
   - Color of inside and outside fabric
The finishing touch – Custom Roof Blinds

Sky screen pleated for 20-Series
- Perfect fit: Dedicated dimension for 20-Series and available in 2 colours.
- Integrated flyscreen: Allows for cabin ventilation whilst keeping the insects out.
- UV protection: Essential overhead shading from direct sunlight, providing energy efficient light and temperature control.
- Quick and easy to install: Pre-assembled, surface mount, robust aluminium frame with concealed mounting holes.

Hercules blind
- Robust: Use of intermediate bars leaves for a cordless and safe open aperture.
- Large dimensions: Designed to complement Webasto’s wide range of roof systems.
- Integrated flyscreen: Allows for cabin ventilation whilst keeping the insects out.
- UV protection: Essential overhead shading from direct sunlight, providing energy efficient light and temperature control.
- Fully customizable: System is offered in various configuration possibilities and colours.
- Quick and easy to install: Full frame system, pre-assembled before installation.

Hercules blind customization possibilities

Three steps to customize your blind

1. Select frame design:
   - Blind & flyscreen – Double ended
   - Blind & flyscreen – Single ended
   - Blind only – Single ended
   - Flyscreen only – Single ended

2. Select fabric colour:
   - White
   - Ivory
   - Straw
   - Beige

3. Define dimensions:
   - Drop (max. 2,800 mm)
   - Width (max. 2,400 mm)
   - Curvature (min. 7,500 mm)

D-shape solutions
- In case a rectangular shape is not feasible in the interior design a dedicated D-shape solution can be offered.
- The fabric types and colours of a D-shape solution are the same as for the rectangular version.
- The exact shape and dimensions of a D-shape solution will be defined during the application development.
- A D-shape solution requires a much earlier boat design consideration of the stowage area.

A joint development by Webasto and Oceanair

Elegance - Engineered
Marine engineering services
Completely tailor-made solutions

Webasto has 30 years’ experience in advanced automotive roof systems which we apply to marine: kinematics, advanced materials, water management and sealing systems. We turn your ideas into reality and guarantee high quality and outstanding product know-how. Phased project approach and joint teams enable know-how transfer to your engineers.

Add value to your boat and brand image
- Unique, exclusive roof systems to match your exact specifications
- Phased project approach: limited risk, possible exit at any stage
- Joint teams and know-how transfer
- Customer involved at every stage
- Opportunity to use Webasto engineering skills and manufacturing capabilities for high quality results

The success of our projects is based on three fundamental elements
- **Product visualization**: Translate ideas into visual concepts. Phased project approach allows frequent evaluation and limits the customers’ risk.
- **Product development**: Translate visual into technical concept. Joint teams require strong customer involvement (marketing, R&D, manufacturing).
- **Product validation**: Prepare drawing package for suppliers and assembly. Highly valuable know-how transfer ensures best outcome of the project investments at every stage.

Marine technical services
When our service is as boundless as your freedom: That’s Feel the Drive

**Service**
- We ensure a global network with over 50 locations throughout the world via our subsidiaries, representatives and authorized service network
- We guarantee an international warranty and customer support based on our commissionings
- We offer global trainings and technical guidelines
- We guarantee a fast availability of spare parts
- We are at your location with our dedicated marine service team

**Quality**
- We benefit from the high automotive standards and related advanced technologies
- We deliver personalized solutions for individual customer needs
- We provide fully tested, pre-assembled and ready-to-be-mounted solutions
- We supply added-value accessories
- Our solutions are highly engineered

**Competence**
- Our teams are made up of marine specialists and technical experts
- We can support our customers with any kind of commissioning
- Our innovations are the result of open communications and close partnership with our customers
Some of our references

<table>
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<th>Model</th>
<th>Brand</th>
<th>Model</th>
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<td>Double You</td>
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New Mustang: 43 Sports Cruiser
http://www.youtube.com/watch?v=n6JHJ7hpUUM

The New Flagship of Freedom: The Grady-White FREEDOM 375
http://www.youtube.com/watch?v=1qJmyo6NOdk

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http://www.youtube.com/watch?v=SbRBRenuhQ

Prestige 500S: 2011 Motoryacht Features/Layout Review – By BoatTest.com
http://www.youtube.com/watch?v=RUa3Dp5s4Y

Azimut 40S: iboats.com
http://www.youtube.com/watch?v=wpJ9gW3Cfok

BAVARIA: VIRTESS 420 Coupé – On Board with Product Manager (English)
http://www.youtube.com/watch?v=vaIUMLY7_L4
For more than 75 years, the Webasto group has continued to set new technological standards – in both the original equipment sector and the aftermarket. As one of the 100 biggest suppliers in the automotive industry worldwide, we develop and produce roof, convertible as well as heating, cooling and ventilation systems. Our products help provide a better atmosphere on the road, more comfort and security, as well as increased efficiency for cars, commercial and special vehicles, motor homes and boats. An outstanding network of production facilities and dealers guarantees high-quality products, installation standards and services worldwide.