An eye on quality – a grip on efficiency

Marine climate solutions
Complete climate solutions:
A single expert partner for all your comfort needs

When it comes to creating the ideal climate on board, Webasto is the only systems supplier to offer you a complete product range for heating, cooling, light and fresh air. We ensure that everybody enjoys the ideal on-board atmosphere. That's what Feel the Drive means.
Quality and automotive innovation as a path to excellence

Leveraging its core automotive technologies, Webasto has continuously enlarged its marine product portfolio in order to attain the unique position of being able to deliver complete climate control solutions for heating, cooling, light and fresh air. Marine is our passion. Just as it is yours. Enjoy the water with us.

A path of marine innovations

1950
Heaters: Popular Webasto heaters already used in marine applications.

2005
Air-conditioners: Product range extension with air-conditioners.

2006
Integrated solutions: Combining heating & cooling into intelligent climate control solutions.

2007
Roofs: Webasto presents roof platforms where size, curvature and design can be customized.

2010
New additions to our customizable roof platforms: 20-Series, 150-Series and Soft Tops.

2011
New water stations: High capacity central heating units for professional applications.

2012
New self-contained A/C units: BlueCool S-Series with BlueCool Expert Tool

2013
New compact, universal chillers: BlueCool C-Series and new air heaters.

2014
New variable speed and commercial chillers: BlueCool V-Series BlueCool P-Series

2015
Air-conditioners: Product range extension with air-conditioners.

2016
High capacity professional chiller units: BlueCool Q-Series

2016
New range of air handlers & touchscreen control unit: BlueCool A-Series BlueCool MyTouch

2010
BlueCool A-Series

2012
BlueCool C-Series

2013
BlueCool S-Series, BlueCool Expert Tool

2014
BlueCool Q-Series

2016
BlueCool MyTouch
When our service is as boundless as your freedom: That’s Feel the Drive

Global service network
- We ensure a global network with over 50 locations throughout the world via our subsidiaries, representatives and hundreds of dealers
- We guarantee an international warranty on our commissionings
- We offer global training and technical guidelines
- We guarantee fast availability of spare parts
- We are at your location with our dedicated marine service team

Global support services
- Central hotline
- Best-in-class global warranty service
- International application database and guidelines
- Standardized commissioning processes
- Dealer portal and online claim handling

Access to wide competences
- Our teams are made up of marine specialists and technical experts
- We can support our customers at all development stages from the idea down to the market introduction
- We support our customers in design, concept, product applications, product process optimization
- Our innovations are the result of open communications and close partnerships with our customers

Your best service companion: BlueCool Expert
Built-in Webasto service software suitable for all new air-conditioning units of the S-/C-/V- and P-Series. Your best companion for easy installation, maintenance and diagnosis of the Webasto A/C systems.

- Free configuration, diagnosis and monitoring tool
- One single tool for A-/S-/C-/V- and P-Series
- Plug-and-play USB connection to the A/C unit
- Remote troubleshooting
- Easy parameter setting
- Back-up and upload of application-specific presets
- Real-time system monitoring
- Access to data logs
- Remote activation test of A/C system components
Heaters are a longstanding tradition at Webasto. For more than 80 years we have been at the cutting edge when it comes to the development of fuel-operated heating technology. Every day, leading automotive manufacturers and boat builders rely on the advanced design and technology of our Webasto heaters.

Along with specific marine installation kits we deliver innovative high-quality air and water heaters, which contribute to the enhancement of comfort on board. These two technologies provide economical, powerful and reliable solutions to our customers, with heating outputs ranging from 2 kW up to 35 kW. There is a Webasto heating solution for every need.

Cabin heating solutions: Extend your boating season and sense the elements

Heaters quickly deliver warm air throughout the boat via an air ducting system. They are very compact and easy to retrofit.

Water heaters are the best solution for even distribution of warmth, as you have at home. They can also be connected to domestic water boilers and to A/C chiller systems for complete climate solutions.

AirTop Evo 40

Thermo Pro 90
Within a short time Webasto air heaters generate a pleasantly cozy warmth on your boat. Various warm air outlets ensure good dehumidification of the vessel. Air heaters are particularly suited for sailing and motor boats up to 45 feet. Now available: New improved extra-silent marine air heater kits. They come with a very efficient heater, which has a lower electrical power consumption, but a higher heat output for applications with high back pressure.

**Webasto Air Tops**
- Heat output from 2 kW up to 5.5 kW
- Short heat-up times thanks to effective heat output
- Complete installation kits for quick and simple retrofitting
- Effective dehumidification of cabins
- Complete independence from shore power or seawater temperature

**New & improved features for the latest Air Top Evo versions:**
- Very low electrical power consumption due to new Intelligent Blower Control
- New flame detection through exhaust gas temperature sensor
- Automatic cold start function for quick warm-up
- Improved combustion air intake silencer
- Vibration dampeners for fuel line
- Compatible to new MultiControl digital user interface
- Very silent operation due to lower blower speed and silent fuel pump

**Technical specifications:**

<table>
<thead>
<tr>
<th></th>
<th>Air Top 2000 STC</th>
<th>NEW</th>
<th>Air Top Evo 40</th>
<th>Air Top Evo 55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat output (kW)</td>
<td>0.9 – 2.0</td>
<td></td>
<td>1.5 – 3.5 (6.0*)</td>
<td>1.5 – 5.0 (5.5*)</td>
</tr>
<tr>
<td></td>
<td>3,000 – 7,000</td>
<td></td>
<td>5,100 – 12,000 (13,600*)</td>
<td>5,100 – 17,000 (18,800*)</td>
</tr>
<tr>
<td>Fuel</td>
<td>Diesel</td>
<td></td>
<td>Diesel</td>
<td>Diesel</td>
</tr>
<tr>
<td>Fuel consumption (l/h)</td>
<td>0.12 – 0.24</td>
<td></td>
<td>0.18 – 0.43 (0.49)</td>
<td>0.18 – 0.61 (0.67)</td>
</tr>
<tr>
<td>Rated voltage (V)</td>
<td>12</td>
<td></td>
<td>12</td>
<td>12, 24</td>
</tr>
<tr>
<td>Rated power consumption (W)</td>
<td>14 – 29</td>
<td></td>
<td>15 – 42 (55)</td>
<td>15 – 90 (130)</td>
</tr>
<tr>
<td>Dimension L x W x H (mm)</td>
<td>311 x 120 x 121</td>
<td></td>
<td>423 x 148 x 162</td>
<td>423 x 148 x 162</td>
</tr>
<tr>
<td>Net weight (kg)</td>
<td>2.6</td>
<td></td>
<td>5.9</td>
<td>5.9</td>
</tr>
</tbody>
</table>

* Boost power level for a maximum duration of 6 hrs (Air Top Evo 40) or 30 min. (Air Top Evo 55).

**What is the Intelligent Blower Control?**
Thanks to the control of more parameters (more sensors), the heating regulation can now disconnect, to a certain extent, the heating output from the blower speed, resulting in:
- Lower electrical consumption and lower noise on regular operation (lower motor speed for same heat output).
- Higher heat output availability for applications with higher back pressure.
Water heaters

Comfort as you know it at home. Webasto water heaters not only ensure even heat distribution in the boat, but also provide domestic hot water in connection with a water boiler. These heaters can be installed in the engine room with minimum space requirements and can be easily combined with Webasto chiller air-conditioners to form an integrated climate control system.

Webasto water heaters

- Heat output from 2.5 kW up to 35 kW
- Quiet distribution of heat through silent radiators or fan heat exchangers
- Hot water for the galley and showers
- Remote installation in the engine room saves cabin space and ensures silent operation
- Separate temperature control in every cabin
- Low fuel consumption
- Compact design
- Pre-heating of the engine possible to avoid cold starts
- Robust aluminum casing, resistant to high temperature or salt

Installation example:

A Water heater
B Boiler for heating hot water
C One radiator for each cabin allows individual temperature control
D Controls – simple and logical to use
E Circulating pump
F Stainless steel exhaust

Technical specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Thermo Top C</th>
<th>Thermo Pro 50 Eco</th>
<th>Thermo Pro 90</th>
<th>DBW 2010</th>
<th>DBW 2016</th>
<th>Thermo 250</th>
<th>Thermo 300</th>
<th>Thermo 350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat output (kW) (BTU / h)</td>
<td>5.2</td>
<td>17,700</td>
<td>17,100</td>
<td>11.6</td>
<td>40,000</td>
<td>16.0</td>
<td>54,600</td>
<td>23.0</td>
</tr>
<tr>
<td>Fuel consumption, partial load/full load/boost (l / h)</td>
<td>Diesel 0.3 – 0.6</td>
<td>Diesel 0.3 – 0.6</td>
<td>Diesel 0.56 – 1.08</td>
<td>Diesel 1.5</td>
<td>Diesel 1.5</td>
<td>Diesel 2.5</td>
<td>Diesel 3.3</td>
<td>Diesel 3.7</td>
</tr>
<tr>
<td>Voltage (V)</td>
<td>12</td>
<td>24</td>
<td>12, 24</td>
<td>12, 24</td>
<td>12, 24</td>
<td>12, 24</td>
<td>12, 24</td>
<td>12, 24</td>
</tr>
<tr>
<td>Power consumption (W)</td>
<td>32 – 42</td>
<td>28 – 46</td>
<td>60 – 83</td>
<td>60</td>
<td>7.5 A at 12 V</td>
<td>7.5 A at 12 V</td>
<td>7.5 A at 12 V</td>
<td>7.5 A at 12 V</td>
</tr>
<tr>
<td>Dimension L x W x H (mm)</td>
<td>214 x 106 x 166</td>
<td>218 x 91 x 144</td>
<td>252 x 131 x 232</td>
<td>584 x 205 x 228</td>
<td>584 x 205 x 228</td>
<td>610 x 246 x 220</td>
<td>610 x 246 x 220</td>
<td>610 x 246 x 220</td>
</tr>
<tr>
<td>Net weight (kg)</td>
<td>3.2</td>
<td>2.5</td>
<td>5.3</td>
<td>14.5</td>
<td>14.5</td>
<td>19.0</td>
<td>19.0</td>
<td>19.0</td>
</tr>
</tbody>
</table>

New MultiControl
Digital Timer
ThermoCall App
Water stations and boilers: Hot water for long showers and warm cabins

Our marine water stations are pre-mounted “plug and heat” central heating units designed for intensive daily use, under all circumstances. For even more comfort on board, our high-quality Isotemp marine boilers provide multiple reliable solutions for all your needs with regard to hot water production.

Marine water stations
These units provide robust, sophisticated solutions for cabin heating and hot domestic water production. The dimensions for all capacity sizes are very compact, with components assembled on a steel tray and fitted in a modern casing for a very quiet operation. They are delivered with a fully insulated 20 liter stainless steel buffer tank as well as optional brackets for floor or wall mounting.

- Four versions in five capacity sizes (11.6 to 35 kW):
  - Central heating
  - Central heating and hot sanitary water through boiler
  - Central heating and hot sanitary water through integrated plate heat exchanger
  - Central heating for air-conditioner integration
- Anti-freeze mode with electric heating element in buffer tank
- Very compact dimensions
- Operating on 12/24 V
- Quick installation and easy maintenance
- Continuous production of hot water (up to 8.5 l/min. at 60°C)
- Circulation pump, fuel filter, dedicated electronics etc. already integrated

Isotemp: High-quality stainless steel water boilers
Isotemp water heaters are specifically designed for the use on yachts and boats. They deliver high water heating performance thanks to high-quality components, thick insulation and smart coil design. The slim and the basic lines are 100% stainless steel (inner tank and outside cover) and provide robust solutions in various sizes for demanding customers.

- Large range from 15 liter to 75 liter
- 3 product lines: Basic, Slim, Square
- Extra long, corrugated coils for high heat exchange efficiency
- Special 7.0 bar / 100 psi safety valve; simple winter drain
- Ultra-thick insulation for lowest temperature loss
- Electrical plug and play
- Immersion heating element, especially designed to heat also the water at the bottom of the tank
- Thermostatic mixing valve available as an option
- Immersion heating elements available in 750; 1,200; 2,000 W; 2,000 W heating element is compatible on 230 V versions only

Isotemp Spa boiler: High quality and maximized customer value
The Isotemp Spa boilers are available in five different sizes ranging from 15 to 40 liter capacity. They match high marine quality standards such as a stainless steel inner tank, a robust polypropylene casing or a 6 bar safety valve.

- AISI 316 stainless steel inner tank
- 6 bar safety valve
- Optional thermostatic mixing valve
- Extra thick insulation for high performance
- Outer casing made of high quality polypropylene
- Customizable with valves, voltage and nominal power of the heating element
Our large product portfolio of self-contained air-conditioning systems up to large inverter and chiller systems leaves nothing to be desired. With our wide power range we provide cooling capacities from 5,000 BTU/h up to 1,500,000 BTU/h. It is up to you to decide which technology is best suited for your boat or yacht.

Air-conditioning solutions: Enjoy the refreshing feeling of an air-conditioned cabin

Don’t you enjoy the refreshing feeling of an air-conditioned cabin after a hot sunny day on deck? With Webasto you can enjoy unforgettable moments on board. Stay refreshed wherever your journey may lead you.

Our large product portfolio of self-contained air-conditioning systems up to large inverter and chiller systems leaves nothing to be desired. With our wide power range we provide cooling capacities from 5,000 BTU/h up to 1,500,000 BTU/h. It is up to you to decide which technology is best suited for your boat or yacht.

Self-contained units
Self-contained cooling units are the best solution for boats with up to three cabins. Every cabin or area is equipped with one unit which is dimensioned according to the cabins cooling/heating demand.

Chiller systems
For larger boats with several cabins a central chilled water system is often the best choice. It consists of a chiller A/C unit which is typically installed in the engine room and individual air handlers for each cabin. This system allows an individual temperature control for each cabin.

Variable speed chiller units
This innovative technology with inverter driven BLDC compressors allows for modulating the cooling output in a wide range and also eliminates the starting peak current draw which enables downsizing.
Self-contained air-conditioners: BlueCool S-Series

Our self-contained air-conditioning units are the perfect solution for vessels with up to three cabins. High-efficiency compressors guarantee extra-low power consumption. These air-conditioners are very compact and thus also very easy to retrofit.

The complete range offers high performance although the units are quiet and very compact. The S-Series offer a unique feature with the BlueCool Expert Tool that is connected via a single USB cable to a PC. On-site servicing and remote assistance are now a child’s play.

Self-contained units are extremely compact. All components (compressor, condenser, evaporator and blower) required for cooling and heating a cabin, a salon, a lounge or another room are mounted on one stainless steel tray: Webasto self-contained units are available in different power ratings. This means you are sure to find the ideal system for almost all cabin sizes on a yacht that needs cooling.

### Technical specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>BlueCool Classic</th>
<th>BlueCool S-Series</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S55</td>
<td>S8</td>
</tr>
<tr>
<td>Cooling capacity* (BTU/h)</td>
<td>5,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Cooling capacity* (kW)</td>
<td>1.5</td>
<td>2.4</td>
</tr>
<tr>
<td>Voltage (V) / Frequency (Hz)</td>
<td>230/50 – 60</td>
<td>230/50 – 60</td>
</tr>
<tr>
<td>Current draw running** (A)</td>
<td>2.1</td>
<td>2.4 – 3.5</td>
</tr>
<tr>
<td>Air flow (free blowing) (m³/h, cfm)</td>
<td>275</td>
<td>275</td>
</tr>
<tr>
<td>Sea water connection (mm /&quot;)</td>
<td>16</td>
<td>5 / 8</td>
</tr>
<tr>
<td>Minimum sea water flow (l/min.)</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Dimension L x D x H (mm /&quot;&quot;)</td>
<td>16.7 x 11.2 x 10.9</td>
<td>15.7 x 12.6 x 12.0</td>
</tr>
<tr>
<td>Blower connection (mm /&quot;)</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

* BTU/h are based on 7°C evaporating temperature and 38°C condensing temperature.
** Amperage values depend on compressor load. Max. values stated for tropical conditions at 230 V / 50 Hz.

### Installation example:

A. Air-conditioning unit  
B. Control box with MyTouch display  
C. Return air grille  
D. Air ducting  
E. Supply air grille  
F. Sea water inlet  
G. Sea water pump  
H. Overboard discharge

### BlueCool S-Series

- Technically updated to be fully 50/60 Hz compatible  
- Suitable for worldwide usage  
- Very high efficiency, using R410a refrigerant  
- Continuous operation even under tropical conditions  
- USB diagnosis for easy servicing and parameter setting  
- Quiet operation  
- Robust design  
- Soft start devices available as an option  
- Vibration absorber kits available as an option

S-Series is now compatible with the new MyTouch display.
The chiller air-conditioning systems are available in a large power range to fit into any boat or superyacht. The systems are available customized or modular for special applications. These units offer the best cabin comfort because they enable you to provide the required amount of cooling and heating wherever needed. They are also the ideal basis for our integrated systems (see page 28).

For smaller chiller systems up to 108,000 BTU/h the BlueCool C-Series is the perfect choice.

### Compact Chiller Systems: BlueCool C-Series

The BlueCool C-Series:
- Improved performance and up to 15% higher efficiency
- Continuous cooling capacity even in tropical conditions. Heating via integrated reverse cycle
- Even more compact design
- New improved electronics for easy installation and diagnosis via USB cable
- Optional CAN-Bus for optimized adaptation to boat systems
- Compressor noise is reduced by up to 25%
- Easy sea water and chilled water connections at one side
- Strong stainless steel tray and condensate drain
- High quality Epoxy paint protection
- Vibration absorber and Silent block available as an option
- Soft start devices available as an option

### Technical Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>C16 M</th>
<th>C20 M</th>
<th>C27 M</th>
<th>C32 T</th>
<th>C40 T</th>
<th>C55 T</th>
<th>C81 R</th>
<th>C108 Q</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling capacity* (BTU/h)</td>
<td>16,000</td>
<td>20,000</td>
<td>27,000</td>
<td>32,000</td>
<td>40,000</td>
<td>55,000</td>
<td>81,000</td>
<td>108,000</td>
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<tr>
<td>Cooling capacity* (kW)</td>
<td>4.7</td>
<td>5.9</td>
<td>7.9</td>
<td>9.4</td>
<td>11.7</td>
<td>16.1</td>
<td>23.7</td>
<td>31.7</td>
</tr>
<tr>
<td>Current draw running** (A)</td>
<td>4.4–6.0</td>
<td>6.6–8.0</td>
<td>8.6–12</td>
<td>8.8–12</td>
<td>14–16</td>
<td>17–18</td>
<td>26–28</td>
<td>34–37</td>
</tr>
<tr>
<td>Dimension L x D x H (mm)</td>
<td>390 x 290 x 355</td>
<td>440 x 330 x 360</td>
<td>440 x 330 x 395</td>
<td>590 x 410 x 500</td>
<td>590 x 410 x 500</td>
<td>590 x 410 x 550</td>
<td>850 x 430 x 550</td>
<td>880 x 640 x 660</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>34</td>
<td>37</td>
<td>46</td>
<td>65</td>
<td>70</td>
<td>96</td>
<td>125</td>
<td>170</td>
</tr>
</tbody>
</table>

* BTU/h are based on 7°C evaporating temperature and 38°C condensing temperature.
** Amperage values depend on compressor load. Max. values at tropical conditions stated for 230 V/50 Hz.

Also discover our added-value accessories for S- and C-Series like our BlueCool Soft Starts:
- Reduction of electrical starting peak up to 70%
- Fully 50/60 Hz compatible for worldwide application
- Self-adjusting software adapts to compressor type and frequency input
- Easy to install and to retrofit in BlueCool electrical boxes
Variable speed chiller systems: BlueCool V-Series

The new V-Series introduces a ground-breaking universal chiller system that addresses the issues most frequently encountered by the marine. This very innovative system runs on variable speed compressors controlled with inverter technology during the starting phase and continuously throughout operation. This leads to smooth and silent operation with no electrical starting peak, which enables downsizing of the genset that results in cost-savings. The self-adapting control logic allows the unit to operate smoothly worldwide in all climates and frequencies.

The new BlueCool V-Series V50 M:
- Large power modulation range: 8,500 – 50,000 BTU/h
- Variable speed BLDC compressors controlled by inverter technology
- Zero electrical starting peak
- Super quiet operation Heating via integrated reverse cycle
- High system availability via dynamic control of HP/LP boundary conditions
- Adjustable amperage draw
- Preventive maintenance monitoring system
- Condensate-free
- Easy installation and maintenance
- Low service and operation costs
- Light and compact
- Integrates Webasto’s BlueCool Expert diagnosis and set up tool
- Silent blocks available as an option

Installation example:
- BlueCool V-Series
- Sea water cooling circuit
- Circulating pump
- Control box with MyTouch display
- Fan-type air handler
- Cold-air outlet
- Chilled water circuit

BlueCool V-Series is now compatible with the new MyTouch display.

The new BlueCool V-Series V50 M:
- Large power modulation range: 8,500 – 50,000 BTU/h
- Zero electrical starting peak
- Super quiet operation Heating via integrated reverse cycle
- High system availability via dynamic control of HP/LP boundary conditions
- Adjustable amperage draw
- Preventive maintenance monitoring system
- Condensate-free
- Easy installation and maintenance
- Low service and operation costs
- Light and compact
- Integrates Webasto’s BlueCool Expert diagnosis and set up tool
- Silent blocks available as an option

** ENGLISH **

Model | BlueCool V-Series V50 M
---|---
Cooling capacity* (BTU/h) | 8,500 – 50,000
Cooling capacity* (kW) | 2.5 – 14.6
Voltage (V) | 230
Frequency ++ (Hz) | 50/60
Current draw running** (A) | 2.5 – 15* (max. 17)
Current draw Eco 1 Mode | 2.5 – 8* (max. 12)
Current draw Eco 2 Mode | 2.5 – 5* (max. 8)
Current draw start (A) | 2.5
Dimensions unit L x D x H (mm) | 567 x 340 x 510
Dimensions electronic box L x D x H (mm) | 500 x 150 x 435
Dimensions unit incl. box L x D x H (mm) | 607 x 530 x 510
Weight core unit (kg) | 47
Weight electronic box (kg) | 15

* BTU/h are based on 7°C evaporating temperature and 38°C condensing temperature
** Amperage values for core unit depend on compressor load. Max. values at tropical conditions at 230 V/50 Hz.
++ BlueCool V-Series systems are tested and approved by Webasto for 50 / 60 Hz operation.

The new professional chiller systems for medium to large boats and superyachts are highly customizable to the demands of shipyards and national legislation. In addition to a wide range of cooling capacities, many options can be selected to customize the chiller to your needs. Configure your perfect professional chiller – customized to your needs.

**Professional chiller systems: BlueCool P-Series**

- Professional chiller system for medium to large boats and superyachts
- Highly customizable chiller series with large range of 30,000 – 572,000 BTU/h to adapt to cooling demand
- Successor of our BlueCool Premium scroll compressor range for high reliability
- Multiple compressor units with independent cooling circuits for high availability
- Range extension with 8 new models
- Improved electronics – new electronic box with easier access to components – new PCB with increased circuit protection, now also fulfilling highest EMC standards EN 60945
- Easy configuration, application tuning and diagnosis via BlueCool Expert tool
- Optional CAN-Bus for integration into boats central monitoring systems
- Unique thermostatic advance function for power output continuously adapted to cooling demand
- Redesigned trays for easier mounting of silent blocks to reduce vibrations
- Electrical systems can be upgraded to customer needs with PRO box or fulfilling MCA requirements

**Discover the possibilities!**

**Configure your chiller system in 6 main steps:**

1. **Voltage**
   - All P-Series chillers are available as 400 V/3-phase version. On most models 208 V/3-phase or 230 V/single phase is available as well.

2. **Cool only version**
   - For regions where heating is not required some units are available as cool only version.

3. **Tropical version**
   - For high sea water temperatures > 32°C, a tropical chiller version with enlarged condensers should be selected to avoid high pressure cut-outs.

4. **Soft Starts**
   - In order to reduce the amperage draw at compressor start a soft start may be chosen as an option.

5. **Electrical updates**
   - Webasto offers a wide variety of electrical options which enhance the operation and service comfort or ease the electrical installation.

6. **Silent blocks**
   - Silent blocks may be mounted between the chiller unit and the hull of the boat to reduce structurally caused vibrations being transferred from the chiller unit into the boat.

**Technical specifications:**

<table>
<thead>
<tr>
<th>Type</th>
<th>BlueCool P-Series</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P30 Mono to P126 Mono</td>
</tr>
<tr>
<td></td>
<td>P60 Twin to P120 Twin</td>
</tr>
<tr>
<td></td>
<td>P72 TRI to P572 TRI</td>
</tr>
<tr>
<td></td>
<td>P96 QTT to P72 QTT</td>
</tr>
<tr>
<td>Cooling capacity (BTU/h)</td>
<td>30,000 to 120,000</td>
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<tr>
<td></td>
<td>60,000 to 120,000</td>
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<tr>
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<td>72,000 to 252,000</td>
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<td></td>
<td>96,000 to 572,000</td>
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<tr>
<td>Supply voltage (V)</td>
<td>230 / 208 / 400</td>
</tr>
<tr>
<td></td>
<td>230 / 208 / 400</td>
</tr>
<tr>
<td></td>
<td>230 / 208 / 400</td>
</tr>
<tr>
<td></td>
<td>230 / 208 / 400</td>
</tr>
<tr>
<td>Frequency (Hz)</td>
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<td>50 / 60</td>
</tr>
<tr>
<td>Current draw running (A)</td>
<td>6.8 – 12 (230 V)</td>
</tr>
<tr>
<td></td>
<td>14 – 25 (230 V)</td>
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<tr>
<td></td>
<td>17 – 37 (230 V)</td>
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<tr>
<td></td>
<td>22 – 38 (230 V)</td>
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<td></td>
<td>6.8 – 12 (230 V)</td>
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<td>5.8 – 12 (400 V)</td>
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<td>6.8 – 25 (400 V)</td>
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<td>6.8 – 53 (400 V)</td>
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<td>Net weight (kg)</td>
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<tr>
<td></td>
<td>90 to 160</td>
</tr>
<tr>
<td></td>
<td>90 to 260</td>
</tr>
<tr>
<td></td>
<td>150 to 725</td>
</tr>
</tbody>
</table>

For detailed information on our complete product portfolio please refer to our marine catalog.
High capacity chiller: BlueCool Q-Series

A large chiller system always needs to be customized to each boat in order to meet the demands of shipyards, owners, classification societies and national legislation. To cover cooling performances from 500,000 up to 1,500,000 BTU/h Webasto offers the BlueCool Q-Series.

The BlueCool Q-Series is designed on customer request for super yachts and commercial boats. Its modular concept, the sea water resistant design, it’s robust steel frame, easy serviceability and various more options like tropical versions or MCA electrical boxes make the Q-Series the product fitting to your needs. Ask Webasto to have your chiller system individually developed.

Examples of a 2 stage Q-Series high capacity chiller unit

- The dimensions of the unit can be adapted to customer requirement. This ensures that the available space on board is optimally used
- Solid metal frame allows handling by forklifts and cranes
- Silent blocks below frame effectively reduce vibrations if required
- Entire cooling system can be configured with redundancy to ensure full cooling system availability
- Up to 6 compressors can be controlled by one central control system
- Different compressor voltages available
- Webasto also offers commissioning service to ensure proper system installation and functioning

Technical data

<table>
<thead>
<tr>
<th>BlueCool Q-Series</th>
<th>500 – 1,500kBTU/h</th>
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<tbody>
<tr>
<td>Cooling capacity (BTU/h) range</td>
<td>147 – 440</td>
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<tr>
<td>Cooling capacity (kW) range</td>
<td>390 – 630</td>
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<tr>
<td>Voltage (V)</td>
<td>50/60</td>
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<td>Refrigerant type</td>
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<tr>
<td>Max. sea water temp. Cooling (°C)*</td>
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</tbody>
</table>

* Higher temperature on request.

Q-Series is now compatible with the new MyTouch display.

- High capacity chillers as project based development
- Modular concept allows to combine multiple units into one integrated system
- Easy maintainable semi-hermetic compressor
- Heat exchanger tubes with highly efficient tube geometry and anti-fouling profile on the coolant side
- Detachable end cover of tube condenser to permit mechanical cleaning of the pipes
- Several customer specific options available such as gauges, redundancy controls, CAN bus interfaces etc.
- Optional 100% pump-down capacity for making circuit repairs without recovering the refrigerant

Webasto also offers commissioning service to ensure proper system installation and functioning.
Air handlers: BlueCool A-Series
Modular system to fit any demand

Webasto offers a new range of air handlers to fit any demand on capacity or space limitations. The new modular concept makes the A-Series adaptable to individual requirements and the exclusive Webasto Instant Drain condensate management system ensures immediate drainage. New accessories like the BlueCool MyTouch display, electric heat modules or flow control valves can fine-tune your applications.

BlueCool A-Series
One or more air handler(s) in each cabin are fitted to generate the required cooling capacities individually in each room. Webasto provides an completely new designed air handler portfolio in 3 different layouts with a performance range from 4,000 – 36,000 BTU/h to suit all sizes and space requirements of your boat.

EHM – Electric heat module
The electric heat module EHM ensures cabin heating independent from chiller operation. It is easily installed in-line into the air duct of the A-Series air handlers and provides 600 – 1800 W capacity to enable heating in selective cabins while chiller is in cooling mode.

Flow control valve
The flow control valve allows the chilled water to bypass the heat exchanger of the A-Series when needed. The comfort on boards is increased while directing the chilled water only to those cabins with cooling/heating demand. Continuous blower operation is possible to reduce noise variations in cabins.
BlueCool A-Series
Important components for your chiller system

The central chiller unit is typically installed in the engine room, providing chilled water/glycol to all cabins via a water circuit. One or more air handler(s) in each cabin are fitted to generate the required cooling capacities individually in each room. Webasto provides an completely new designed air handler portfolio in 3 different layouts with a performance range from 4,000 – 36,000 BTU/h to suit all sizes and space requirements of your boat.

With the innovative Webasto Instant Drain system for smart management of condensate and the modular concept the new BlueCool A-Series is the perfect solution for all your needs. In addition to horizontal and vertical layouts, accessories such as Electrical heating, Flow control valve or the electronic silencer for significant reduction of blower noise can fine-tune your applications.

Compact air handler
4,000 BTU/h – 36,000 BTU/h

SlimLine air handler
6,000 BTU/h – 18,000 BTU/h

Low Profile air handler
6,000 BTU/h – 18,000 BTU/h

Now compatible with the new MyTouch display.

• Three possible shapes to cope with any installation demand: Compact, Slimline and Low profile
• New modular system with various options
• Innovative Webasto Instant Drain system for smart management of condensate
• High quality stainless steel design
• High performance with high cooling capacity and high air flow
• Super Silent with
  – flexible vibration isolation mounts
  – larger ducts to reduce noise from air speed
• Oversized heat exchanger tested under tropical conditions

For detailed information on our complete product portfolio please refer to our marine catalog.
BlueCool A-Series – Electric heat module (EHM)

- Electric heat modules ensure cabin heating independent of chiller operation
- They are easily installed in-line into air duct of the A-Series air handlers
- EHM is directly connected to A-Series electronics so no separate controls are needed
- EHM further increase the comfort on board by:
  - enabling heating in selective cabins while chiller is in cooling mode
  - enable heating while chiller is switched off
  - increasing the heat output of air handlers if extra high heat demand is needed
- EHM can easily be retrofitted to existing A-Series
- EHM is preinsulated to prevent condensation on the outside.
  It also comes with 2 stainless steel mounting brackets for wall mounting
- When using EHM a flow control valve also needs to be fitted

<table>
<thead>
<tr>
<th>Type</th>
<th>EHM 600 W</th>
<th>EHM 900 W</th>
<th>EHM 1200 W</th>
<th>EHM 1800 W</th>
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<tr>
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<td>WBCL1209103A</td>
<td>WBCL1209102A</td>
<td>WBCL1209103A</td>
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<tr>
<td>Capacity (W)</td>
<td>600</td>
<td>900</td>
<td>1,200</td>
<td>1,800</td>
</tr>
<tr>
<td>Voltage (V)/Frequency (Hz)</td>
<td>230/50–60</td>
<td>230/50–60</td>
<td>230/50–60</td>
<td>230/50–60</td>
</tr>
<tr>
<td>Current draw running (A)</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Dimensions (L x W x H) (mm)</td>
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<td>370 x 125 x 195</td>
<td>370 x 150 x 220</td>
<td>370 x 150 x 220</td>
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<tr>
<td>Ø Hose connection (mm)</td>
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<td>12.5</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Ø Hose connection (inch)</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

BlueCool A-Series – Flow control valve

- The flow control valve acts as a 3/2-way valve allowing the chilled water to bypass the heat exchanger of the A-Series when needed
- Easy screw connection to all A-Series units, no soldering needed
- Easy electrical connection to A-Series electronics
- 90° elbows in the Slimline / Low profile kit enable an extra flat installation
- The flow control further increases the comfort on board by:
  - directing the chilled water only to those cabins with cooling/heating demand
  - prevent inadvertent heating when air handler is switched off – no chimney effect
  - prevents condensate build-up and thus mold on heat exchangers of air handlers which are switched off
  - continuous blower operation is possible thus reducing noise variations in cabins
- Valve needs to be fitted if EHM is installed to prevent simultaneous heating and cooling
Air conditioning control elements
BlueCool MyTouch

The BlueCool MyTouch display is the new standard display for all new BlueCool A/C Series and is part of a complete electronic control system including the A/C controller card and connecting cables/sensors.

- Standard display for all BlueCool A/C units
- Full color, high-resolution, interactive touch display
- Individual customizable Multi Design Touch Display with 3 different user designs
- Intuitive icons and menus
- 3 different menu levels with
- Easy intuitive operation for end customer
- Advanced settings for crew member
- Complete parameter access for technician with clear text messages

Customizable to many cover plate systems like
- Vimar Eikon
- Vimar Eikon EVO
- Vimar Plana
- Bticino Axolute

3 different software designs and Webasto cover plate
BlueComfort integrated solutions: Full performance in all weather conditions

The BlueComfort Premium system integrates a chilled water air-conditioner unit and a diesel-operated heater into one system. The use of a water heater ensures full heating performance, even at low seawater temperatures, when the reverse cycle of an air-conditioner gets inefficient (below 6°C). In this integrated system the same water piping, air handlers, air ducting and cabin temperature control modules are used for both heating and A/C operation. The system is controlled via one control panel, making the activation of A/C or heater totally transparent to the end-user.

BlueComfort Premium DeLuxe integration

It is possible to also integrate a hot water boiler into the heating circuit to provide hot water wherever needed independently of the boat engine running or the availability of 230 V mains. Please refer to the Webasto marine catalog for more details.

Example of a Webasto BlueComfort Premium Basic integration

A. Water heater produces hot (60°C) water when system switches to heating
B. 3 way valve switches between cooling or heating loop
C. Air handler warms up or cools down the cabin air
D. Water pump circulates the water
E. A/C chiller unit cools down the water when system switches to cooling
F. Chiller control controls the complete A/C system and the water heater; starts the compressor when cooling is necessary, starts the heater when heating is necessary
The sky so close: Opening new horizons with our customizable roof platform solutions

Light and fresh air are essentials aboard a boat or yacht. Webasto offers you a wide range of marine roof solutions, to be customized to the shape, size and design of your deck. They benefit from Webasto’s worldwide technological leadership in automotive sunroofs.

On top of this broad selection of roof solutions, Webasto’s engineering services can do even more for your exclusive, unique roof project. Large moveable surfaces of all kinds and sizes are our mission. 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.

Webasto offers small series manufacturing at full series quality levels: Process-oriented assembly operations, from the pilot line through the design check to series production. Phased project approach and joint teams enable know-how transfer to your engineers.

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.
There is a roof for even the most demanding requirements

**The 20-Series**
A very economical manual or electrical 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 or electrical operation
- Stepless locking system

**The 80- & 100-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 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 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 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 150-Series**
This electrical sliding sunroof is designed for smaller boats and features a modern full acrylic panel. The panel is made from 2 shells for improved insulation and very light weight. The aluminium motor cover ensures a perfect interior finish and simple and fast installation.

- Electrical operation
- Modern and light weight panel
- High end interior finish
- Watertight sealing
- Robust and proven construction
Marine is our passion – just as it is yours

Our mission is to enable you to benefit from new innovations that result from high investments in our core technologies across various business segments. Our goal is to create the perfect atmosphere on board. That’s what drives us. That’s Feel the Drive.
Since its foundation in 1901 the Webasto group has continued to set new technological standards in the original equipment and aftermarket sector. Today, we are 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.