

# High capacity professional chiller units

BlueCool Q-Series



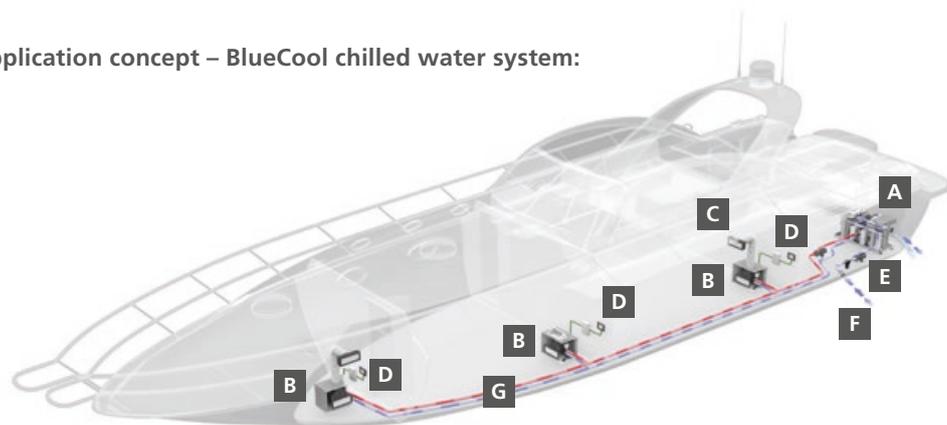
A large chiller system always needs to be customized to each boat in order to meet the demands of shipyards, owners, classification societies and national legislation. To cover cooling performances from 500,000 up to 1,500,000 BTU/h Webasto offers the BlueCool Q-Series.

The BlueCool Q-Series is designed on customer request for super yachts and commercial boats. Its modular concept, the sea water resistant design, its 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.

## Key benefits at an glance:

- 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
- 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

## Application concept – BlueCool chilled water system:



- A** Chiller A/C unit in the engine room
- B** Fan-type air handler
- C** Cold-air outlets
- D** Control box with MyTouch display
- E** Sea water pump
- F** Sea water cooling circuit
- G** Chilled water circuit

## Technical Specifications

Model	BlueCool Q-Series
Cooling capacity (BTU/h) range	500 – 1,500 kBTU/h
Cooling capacity (kW) range	147 – 440
Voltage (V)	360 – 690
Frequency (Hz)	50/60
Refrigerant types	R134a, R407c, F1234yf
Min. sea water temp. Heating (°C)	6
Max. sea water temp. Cooling (°C)*	35

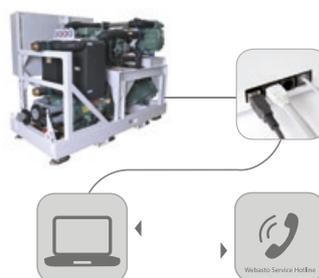
\* Higher temperature on request



BlueCool MyTouch Display

The BlueCool MyTouch display is the new standard display for all BlueCool A/C Series:

- Full color, high resolution, interactive 2,4" touch screen
- Multiple customization options available (design, colors, language, photos, etc.)
- Protected: full access to system configuration parameters
- Compatible with Vimar Eikon, Eikon EVO, Plana, Bticino Axolute



BlueCool Export Tool

BlueCool Export Tool suitable for all BlueCool AC units:

- Plug and Play USB connection
- Easy parameter setting
- Real time monitor function
- Continuous data logging
- Manual activation of single components (pumps, compressors, 4/2 way valve etc.)
- Possible remote access via internet