

# Compact chiller systems

## BlueCool C-Series



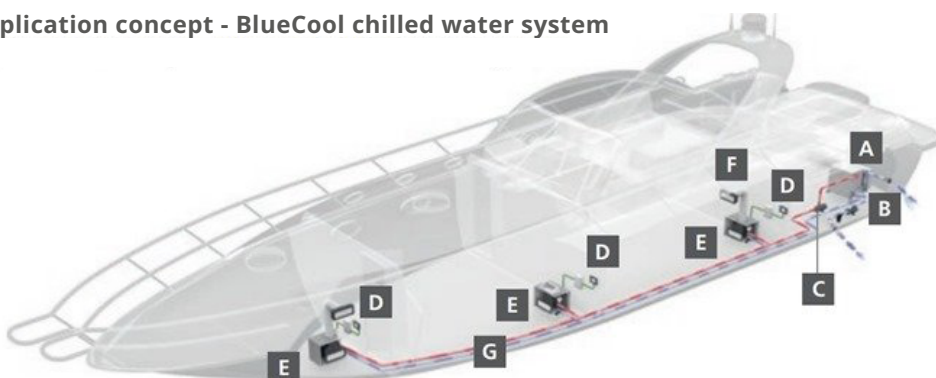
Chiller systems are suitable for boats with several cabins. Whenever three or more independent areas in a yacht need to be air-conditioned, a central chiller system is the right choice. The chiller unit is typically placed in the engine room, providing chilled water/glycol to all cabins via the chilled water circuit. One or several A-Series air handlers are fitted in each cabin providing the required cooling capacities to the rooms. The system offers one control for the unit itself as well as separate panels for each cabin.

Optional vibration dampers as well as soft start devices allow further optimization of the application

### Key benefits at a glance:

- Improved performance and up to 15% higher efficiency
- Continuous cooling capacity even in tropical conditions
- 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
- Cooling and heating via reverse cycle function as a standard
- High quality epoxy paint protection

### Application concept - BlueCool chilled water system



- A** BlueCool C-Series
- B** Sea water cooling circuit
- C** Circulating pump
- D** Control box with MyTouch display
- E** A-Series air handlers
- F** Cold-air outlet
- G** Chilled water circuit



## Technical Specifications

Model	C16 M	C20 M	C27 M
Cooling capacity (BTU / h)	16,000	20,000	27,000
Cooling capacity (kW)	4.7	5.9	7.9
Heating via reverse cycle integrated	yes	yes	yes
Voltage (V)	230 (-15% / +10%)	230 (-15% / +10%)	230 (-15% / +10%)
Frequency (Hz)	50 / 60	50 / 60	50 / 60
Current draw running (A)	4.4 – 6.0	6.9 – 8.1	8.6 – 9.2
Current draw Start max. peak (A)	54	60	77
Sea water connection (mm / ")	19 3/4	19 3/4	19 3/4
Minimum sea water flow at 50 Hz (l / min.)	14	17	21
Minimum sea water flow at 60 Hz (l / min.)	17	20	25
Refrigerant quantity R410a (g)	480	650	750
Dimensions unit (L x D x H) (mm / inch)	390 x 290 x 355 15.4 x 11.4 x 14	440 x 330 x 360 17.43 x 13.0 x 14.0	440 x 330 x 395 17.3 x 13.0 x 15.6
Dimension electronic box (L x D x H) (mm / inch)	502 x 305 x 137 19.8 x 12.0 x 5.4	502 x 305 x 137 19.8 x 12.0 x 5.4	502 x 305 x 137 19.8 x 12.0 x 5.4
Weight core unit (kg)	34	37	45
Weight electronic box (kg)	5	5	5



BlueCool MyTouch Display



BlueCool Export Tool

### 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 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.)



Contact details

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