BlueCool C-Series

Air Conditioning Chiller System

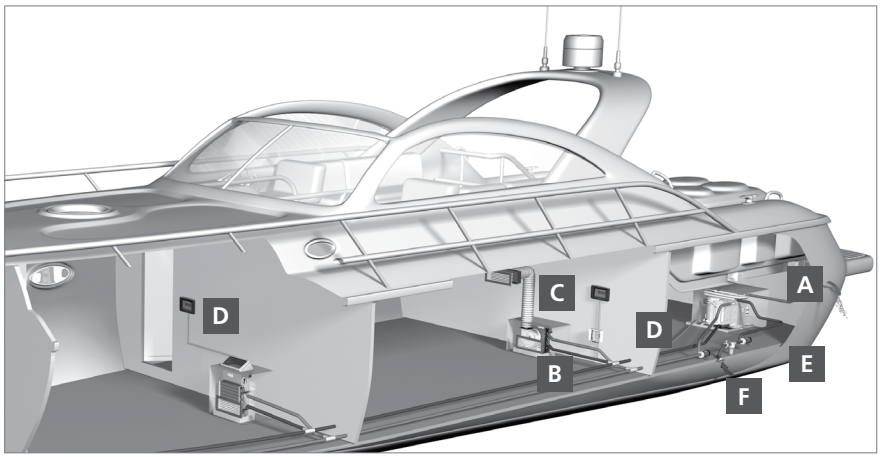
Chiller systems are suitable for boats with several cabins. Whenever three or more independent areas in a yacht need to be air-conditioned, a central chiller system is the right choice. The chiller unit is typically placed in the engine room, providing chilled water/glycol to all cabins via the chilled water circuit. One or several 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.

The new BlueCool C-Series:

- BlueCool Expert Tool - allows remote access to core systems operations, parameter settings and trouble-shooting diagnostics from anywhere in the world with USB cable and Wi-Fi signal
- Improved performance and up to 15 % higher efficiency
- Continuous cooling capacity even in tropical conditions
- Improved footprint size for ease of installation
- Feature rich electronics for easy system control with unique adaptive hardware for potential add-ons 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
- 1, 2, 3 or 4 stage systems for variable load demands

Installation example:



- **A** Cooling unit in the engine room
- **B** Fan-type air handler
- **C** Cold-air outlets
- **D** Controls – simple and logical to use
- **E** Circulating pump
- **F** Sea water cooling circuit

Technical Specifications:

Model	BlueCool C-Series							
	C16 M	C20 M	C27 M	C32 T	C40 T	C55 T	C81 R	C108 Q
Cooling Capacity*	16,000 BTU/h / 4.7 kW	20,000 BTU/h / 5.9 kW	27,000 BTU/h / 7.9 kW	32,000 BTU/h / 9.4 kW	40,000 BTU/h / 11.7 kW	55,000 BTU/h / 16.1 kW	81,000 BTU/h / 23.7 kW	108,000 BTU/h / 31.7 kW
Number of Compressors	1	1	1	2	2	2	3	4
Supply Voltage	230 V	230 V	230 V	230 V	230 V	230 V	230 V	230 V
Current Draw**	4.4 – 6.0 A	6.9 – 8.0 A	8.6 – 9.2 A	8.8 – 12.0 A	13.8 – 16.0 A	17.2 – 18.4 A	25.8 – 27.6 A	34.4 – 36.8 A
Net Weight	66 lbs / 30 kg	66 lbs / 30 kg	88 lbs / 40 kg	169 lbs / 77 kg	176 lbs / 80 kg	198 lbs / 90 kg	308 lbs / 140 kg	385 lbs / 175 kg
Dimensions (L x W x H)	15.2 x 11.4 x 13.8 in 385 x 290 x 350 mm	17.3 x 12.6 x 14.4 in 440 x 320 x 365 mm	17.3 x 13.4 x 15.7 in 440 x 340 x 400 mm	20.9 x 15.7 x 19.3 in 530 x 400 x 490 mm	20.9 x 15.7 x 19.3 in 530 x 400 x 490 mm	20.9 x 15.7 x 21.7 in 530 x 400 x 550 mm	29.5 x 16.5 x 21.7 in 750 x 420 x 550 mm	20.9 x 31.5 x 21.7 in 530 x 800 x 550 mm

* BTU/h are based on 44° F (7° C) evaporating temperature and 100° F (38° C) condensing temperature
** Amperage values depend on compressor load. Max values at tropical conditions stated for 230 V / 50 H

Control Element:

Digital Control

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