

Variable speed chiller systems

BlueCool V-Series



The BlueCool V-Series brings innovation to the industry with the latest technology for maximum performance in varying weather conditions. The BlueCool V-Series, including the three capacity models V50 M, V64 T & V77 T, with a cooling capacity up to 77,000 BTU is suitable for boats with three or more independent cabins.

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.

Key benefits at an glance:

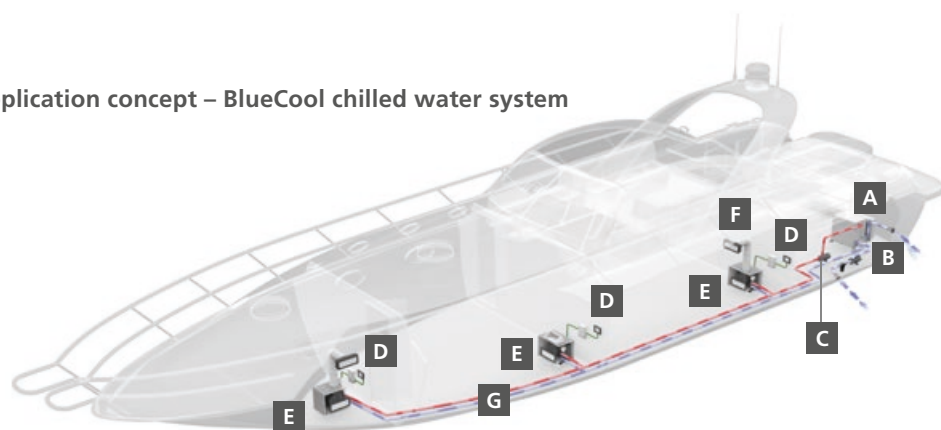
- New V64 T and V77 T with innovative hybrid control logic
- Large power modulation range: 8,500 up to 77,000 BTU
- Unique hybrid concept reduces output by 89% during part load operation.
- Variable speed compressors controlled by inverter technology
- Zero electrical starting peak
- Super quiet operation with little noise variations and sound cover housing
- Preventive maintenance monitoring system
- Condensate free operation
- Integrates Webasto's BlueCool Expert diagnosis and set up tool
- Up to 3 ECO modes with adjustable amperage draw
- 230 V 50 Hz or 240 V 60 Hz compatible for worldwide application



BlueCool V-Series V50 M:

IBEX Product Innovation
Award Winner 2014.

Application concept – BlueCool chilled water system



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

Technical Specifications

Model	BlueCool V50 T	BlueCool V64 T	BlueCool V77 T
Cooling capacity (BTU/h)	8.500 – 50.000	8.500 – 64.000	8.500 – 77.000
Cooling capacity (kW)	2.5 – 14.6	2.5 – 18.7	2.5 – 22.6
Heating via reverse cycle integrated	yes	yes	yes
Voltage (V)	230	230	230
Frequency (Hz)	50/60	50/60	50/60
Current draw running (A)	2.5 – 15* (max. 17)	2.5 – 23.8* (max. 25)	2.5 – 24* (max. 26.5)
Max. current draw in Eco 1 Mode (A)	2.5 – 8* (max. 12)	2.5 – 15* (max. 17)	2.5 – 15* (max. 17)
Max. current draw in Eco 2 Mode (A)	2.5 – 5* (max. 8)	2.5 – 8* (max. 12)	2.5 – 8* (max. 12)
Max. current draw in Eco 3 Mode (A)	–	2.5 – 5* (max. 8)	2.5 – 5* (max. 8)
Current draw Start max. peak (A)	2.5	2.5	2.5
Sea water connection (mm/“)	25 1 M BST	32 1 1/4 F BST	32 1 1/4 F BST
Minimum sea water flow at 50 Hz (l/min.)	38	50	57
Refrigerant quantity R410a (g)	892	892 + 770	892 + 770
Dimensions unit (L x D x H) (mm/inch)	567 x 340 x 510 22.3 x 13.4 x 20.1	560 x 560 x 510 22.3 x 22.0 x 20.1	560 x 560 x 510 22.3 x 22.0 x 20.1
Dimension electronic box (L x D x H) (mm/inch)	560 x 190 x 465 22.0 x 7.5 x 18.3	560 x 190 x 465 22.0 x 7.5 x 18.3	560 x 190 x 465 22.0 x 7.5 x 18.3
Dimensions chiller (L x D x H) (mm/inch)	607 x 530 x 510 23.9 x 20.8 x 20.1	760 x 750 x 510 29.9 x 29.5 x 20.1	760 x 750 x 510 29.9 x 29.5 x 20.1
Weight core unit (kg)	47	90	90
Weight electronic box (kg)	15	15	15



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