

# Variable speed chiller systems

## BlueCool V-PRO Series



The BlueCool V-PRO Professional Variable Chiller Series with modular units are designed for mid-size up to super yachts and commercial boats. Systems can be created easily to cover a large range of cooling demand from 60,000 up to 1,080,000 BTU/h while titanium condensers provide outstanding corrosion resistance. The new V-PRO control concept with autonomous modules connected via standard network cable make system setup a child's play.

The V-PRO Series are central chilled water air conditioning units, all coming with a heat-pump function included. They produce cold or warm water/glycol to cool or heat cabins on board via separate air handling units. The V-PRO Series consists of 4 modular units providing a cooling capacity of 60, 90, 130 or 180 kBTU/h. Up to 6 of these A/C modules may be combined in a system, providing up to 1 Mio BTU/h of cooling capacity. The product is suitable to air condition leisure boats, commercial boats or superyachts. Each V-PRO unit is designed to operate fully autonomous as it comes with its own control electronics and color touch-screen user interface.

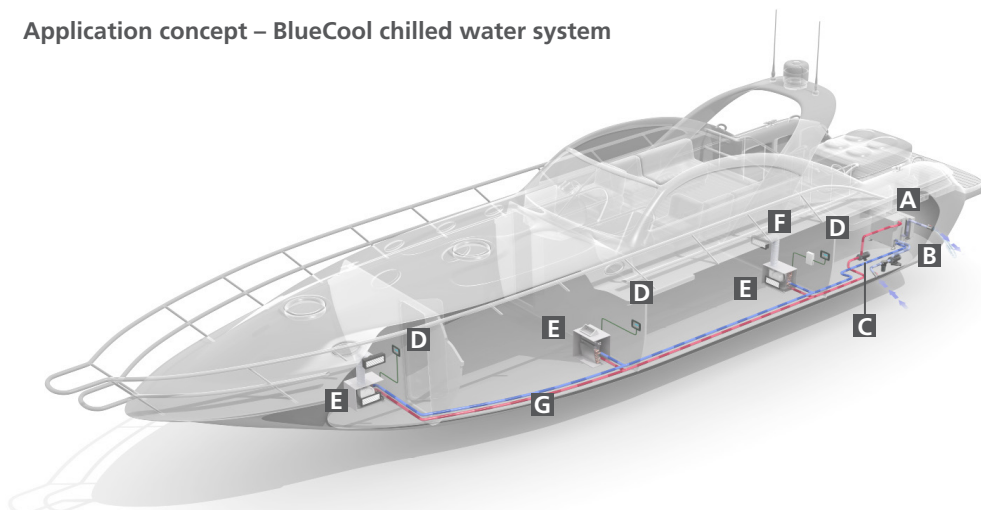
### Key Benefits at a Glance:

- Mono variable speed compressor units to create large systems up to 1,080,000 BTU/h
- 4 variants with 60, 90, 130 and 180 kBTU/h available
- Individual system with up to 6 modules
- Combination of different capacities possible
- 400V (50Hz) – 460 V (60 Hz) 3-phase+N system
- All electronics Integrated
- Individual accessories like manifold and rack available
- Customized electronic box available to meet additional requirements of customers or certification boards for larger vessels e.g. Lloyd, DNVGL

## Application concept – BlueCool chilled water system



Marine



- A** BlueCool V-PRO 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 V-PRO 60 M	BlueCool V-PRO 90M	BlueCool V-PRO 130MM	BlueCool V-PRO 180M
Cooling capacity (BTU / h)	15,000 – 60,000	22,500 - 90,000	19,500 – 130,000	27,000 – 180,000
Cooling capacity (kW)	4.4 - 17.6	6.6 - 26.4	5.7 - 38.1	7.9 – 52.8
Heating via reverse cycle integrated	yes			
Voltage (V)	400V(50Hz) – 460V (60Hz) 3 phase +N			
Frequency (Hz)	50 / 60			
Current draw running (A)	1.5 - 7.5 (max. 10)	2.9 - 15.5 (max. 18.5)	4.0 - 20 (max. 23)	4.6 - 23 (max. 25)
Max. current draw in Eco 1 Mode (A)	1.5 - 5.5 (max. 6.3)	2.9 - 10.7 (max. 11.3)	4.0 - 13.6 (max. 14.9)	4.6 - 16.8 (max. 18)
Max. current draw in Eco 2 Mode (A)	1.5 - 3.9 (max. 4.8)	2.9 - 7.6 (max. 8.3)	4.0 - 9.1 (max. 10.4)	4.6 - 11.6 (max. 12.5)
Max. current draw in Eco 3 Mode (A)	1.5 - 2.9 (max. 3.8)	2.9 - 5.7 (max. 6.5)	4.0 - 7.1 (max. 8.4)	4.6 - 9 (max. 10)
Sea water connection (mm / Inch)	IG 32 – 1 ¼"			
Chilled water connection (mm / Inch)	IG 32 – 1 ¼"			
Dimensions unit (L x D x H) (mm / Inch)	630 x 410 x 650 24.8 x 16.1 x 25.6		830 x 410 x 650 32.7 x 16.1 x 25.6	
Weight core unit (kg)	89	97	120	136



BlueCool MyTouch Display



BlueCool V-PRO system

### Advantages:

- With the BlueCool MyTouch display, each unit can also show overall system data.
- It is the 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 V-PRO can easily be arranged as a system with many optional accessories:

- ABS manifolds
- Stainless steel rack system
- Pump Control Box
- Remote Connection Box
- Master Control box
- BlueCool Connect