

## BlueCool S-Series

### Self-Contained Air Conditioning Units



The self-contained air conditioners are suitable for boats with up to three cabins. The range is designed in a compact way. For a solid and highly functional base, they are mounted on extra-deep, thermally insulated, stainless steel trays. All units are epoxy-painted for durable corrosion protection. Highly efficient compressors allow extremely low power consumption. Additionally, a multi-point injection evaporator offers higher unit efficiency. The installation of a self-contained unit is very simple. Each cabin has its own self-contained unit providing cool air to the cabin. Generated heat is transferred to the sea via the sea water circuit. The control unit is located in the same cabin as the air conditioner.

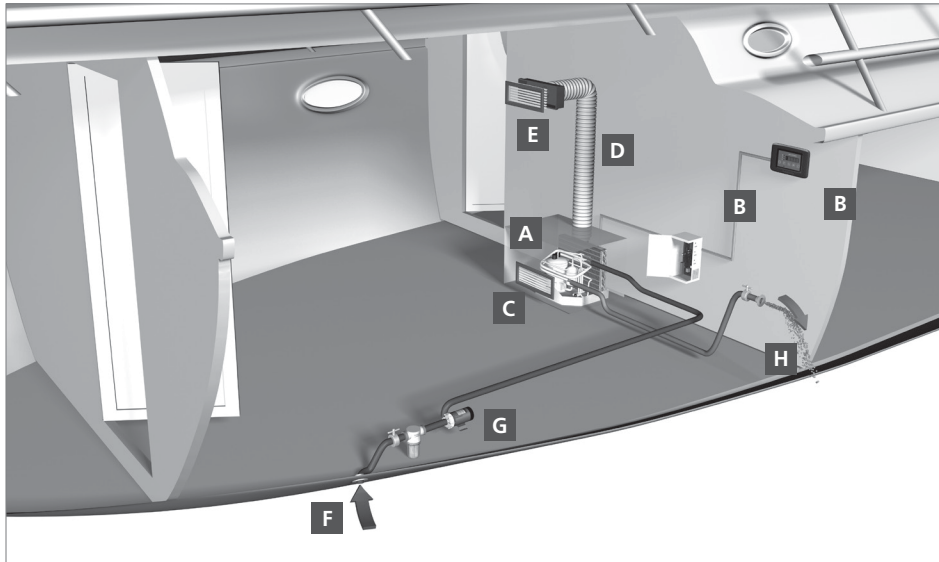
#### Self-contained Air Conditioners:

- Stand alone unit
- Heating via reverse cycle integrated
- Extremely compact
- All components on one tray
- Seven sizes available
- Lowest power consumption
- Including electronics, blower and controls

#### The new BlueCool S-Series:

- Efficiency increased up to 15 %
- Continuous operation even under tropical conditions
- Overall size is reduced up to 20 %
- New electronics with USB diagnosis
- Quiet operation
- Robust design
- Soft start devices available as an option

## Installation example:



- A** Air-conditioning unit
- B** Air control (control unit)
- C** Return air grille
- D** Air ducting
- E** Supply air grille
- F** Sea water inlet
- G** Sea water pump
- H** Overboard discharge

## Technical Specifications:

Model	BlueCool S-Series					
	S8	S10	S13	S16	S20	S27
Cooling Capacity*	8,000 (BTU/h) / 2.3 kW	10,000 (BTU/h) / 2.9 kW	13,000 (BTU/h) / 3.8 kW	16,000 (BTU/h) / 4.7 kW	20,000 (BTU/h) / 5.9 kW	27,000 (BTU/h) / 7.9 kW
Supply Voltage	230 V	230 V	230 V	230 V	230 V	230 V
Current draw running**	2.4 – 3.5 A	2.6 – 4.0 A	3.6 – 6.3 A	4.9 – 7.2 A	5.9 – 8.9 A	7.0 – 10.5 A
Blower output***	162 cfm / 275 m <sup>3</sup> /h	235 cfm / 400 m <sup>3</sup> /h	294 cfm / 500 m <sup>3</sup> /h	368 cfm / 625 m <sup>3</sup> /h	368 cfm / 625 m <sup>3</sup> /h	2 x 324 cfm / 2 x 550 m <sup>3</sup> /h
Sea water connection	3/4 in / 19 mm	3/4 in / 19 mm	3/4 in / 19 mm	3/4 in / 19 mm	3/4 in / 19 mm	3/4 in / 19 mm
Minimum sea water flow	2.1 gal/min / 8 l/min	2.6 gal/min / 10 l/min	3.2 gal/min / 12 l/min	3.4 gal/min / 13 l/min	4.5 gal/min / 17 l/min	5.5 gal/min / 21 l/min
Dimension (L x W x H)	12.3 x 15.8 x 11.9 in 313 x 400 x 301 mm	12.9 x 18.5 x 12.0 in 310 x 475 x 310 mm	14.0 x 19.8 x 12.6 in 355 x 500 x 320 mm	14.1 x 21.2 x 13.0 in 360 x 540 x 330 mm	14.2 x 23.2 x 14.3 in 340 x 590 x 370 mm	20.0 x 22.5 x 15.4 in 510 x 570 x 390 mm
Diameter air outlet	4 in / 100 mm	4 in / 100 mm	5 in / 125 mm	5 in / 125 mm	5 in / 125 mm	2 x 5 in / 2 x 125 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 stated for tropical conditions at 230 V / 50 Hz

\*\*\* Free blowing

## Control Element:



Digital Control

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