

BlueCool S-Series

Self-Contained Air Conditioning Units



Now Available
115V

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.

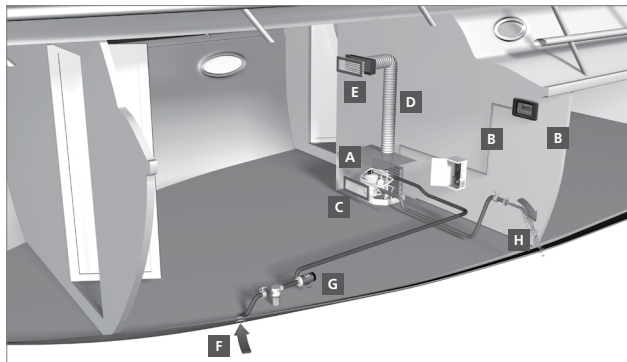
Self-contained Air Conditioners:

- 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:

- High efficiency using R410a refrigerant
- Continuous operation even under tropical conditions
- Compact
- New electronics with USB diagnosis
- Quiet operation
- Robust design
- MyTouch display

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:

Type	BlueCool S-Series 115 V				
	S6-R-115V-REV-R410a	S8-R-115V-REV-R410a	S10-R-115V-REV-R410a	S13-R-115V-REV-R410a	S16-R-115V-REV-R410a
Cooling capacity (BTU/h) *	6,000	8,000	10,000	13,000	16,000
Voltage (V)	115	115	115	115	115
Current consumption, operation [A] 60Hz **	3.6 – 5.5	4.5 – 6.1	5.6 – 7.9	7.6 – 11	8.0 – 15.7
Fan output, free-blowing [m³/h] (cfm)	275 (162)	275 (162)	350 (206)	430 (253)	650 (382)
Supply air grille [cm²]	150	235	235	250	390
Minimum thickness insulation air duct [mm] (inch)	4	4	4	4	4
Ø Sea water connection [mm] (inch)	19, 3/4"	19, 3/4"	19, 3/4"	19, 3/4"	19, 3/4"
Dimensions L x W x H (mm)	400 x 320 x 305	400 x 320 x 310	475 x 330 x 310	500 x 330 x 325	540 x 350 x 380
Dimensions L x W x H (inch)	15.7 x 12.6 x 12.0	15.7 x 12.6 x 12.2	18.7 x 12.2 x 12.2	19.7 x 13.8 x 12.6	21.3 x 13.8 x 15

* BTU/h and electrical data are based on 7 °C evaporation temperature and 38 °C condensation temperature

** Current consumption of self-contained air-conditioning unit is dependent on compressor output. Maximum values under tropical conditions.

Model	BlueCool S-Series 230 V					
	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 m³/h	235 cfm / 400 m³/h	294 cfm / 500 m³/h	368 cfm / 625 m³/h	368 cfm / 625 m³/h	2 x 324 cfm / 2 x 550 m³/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
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
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

* 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

My Touch Display



The BlueCool MyTouch display is the new standard display for all new BlueCool A/C Series and is part of a complete electronic control system including the A/C controller card and connecting cables/sensors.

3 different software designs and Webasto cover plate

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