

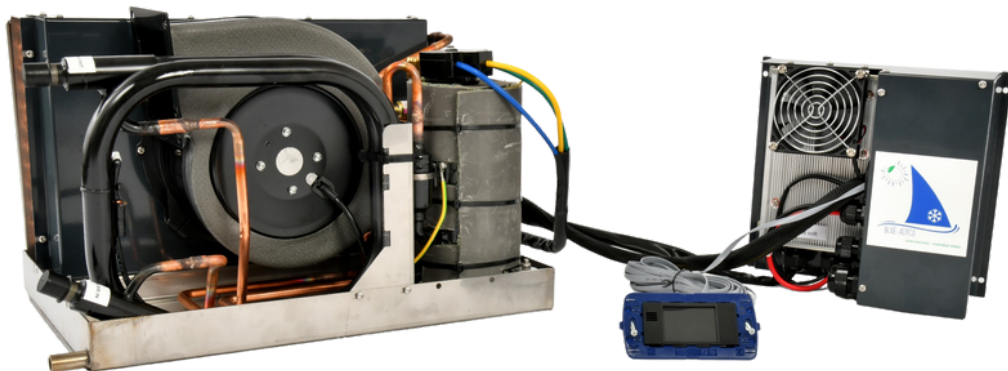


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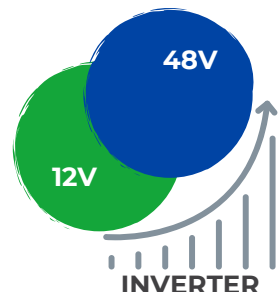
BLUE-AIRCO

DC VARIABLE SPEED SELF-CONTAINED MARINE AIR-CONDITIONERS

Unique in the marine market



Using technology and innovation to bring low energy
climate control on board



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Our range

Product type :

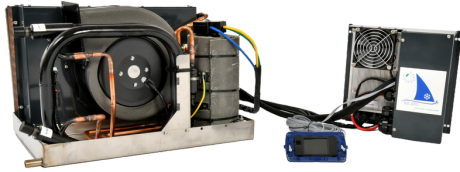
DC variable speed self-contained unit

(unique in the marine market)

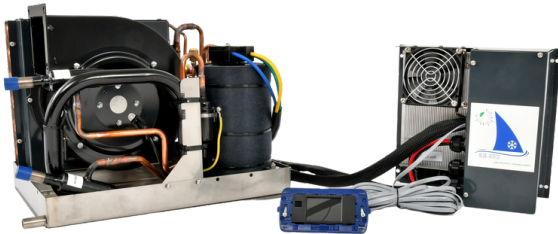


SDC12V12

**4
versions**

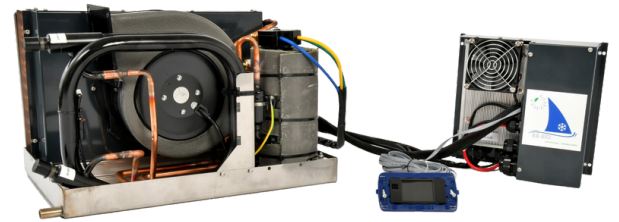


SDC08V12

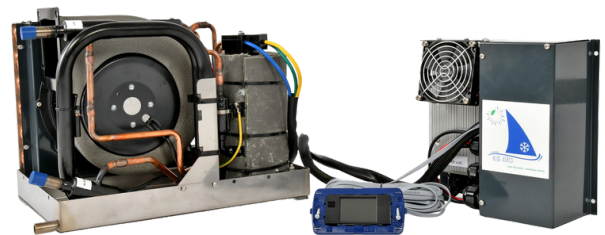


The 12 V version allows small boats to be air-conditioned thanks to the very low consumption and the ECO function.

SDC18V48

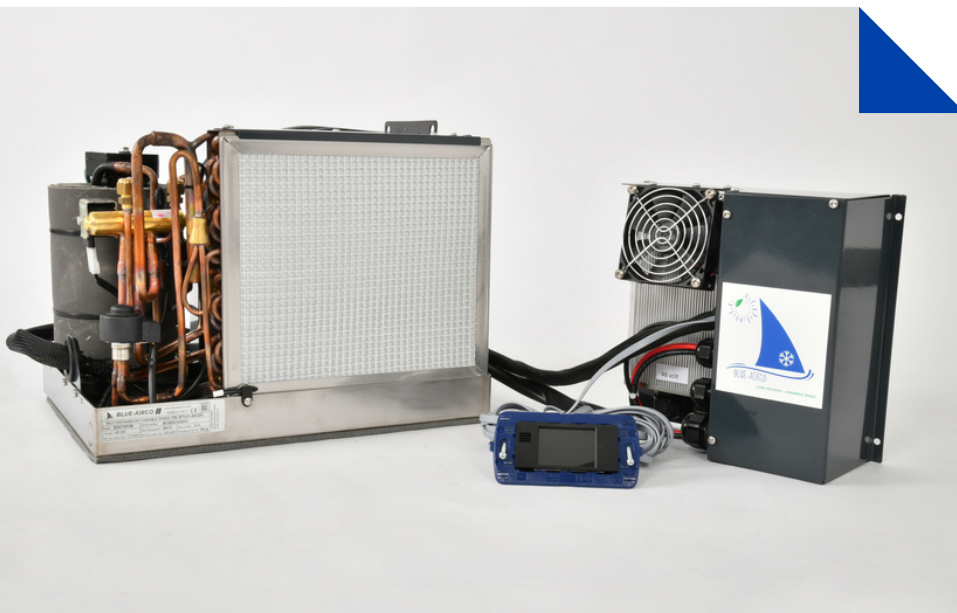
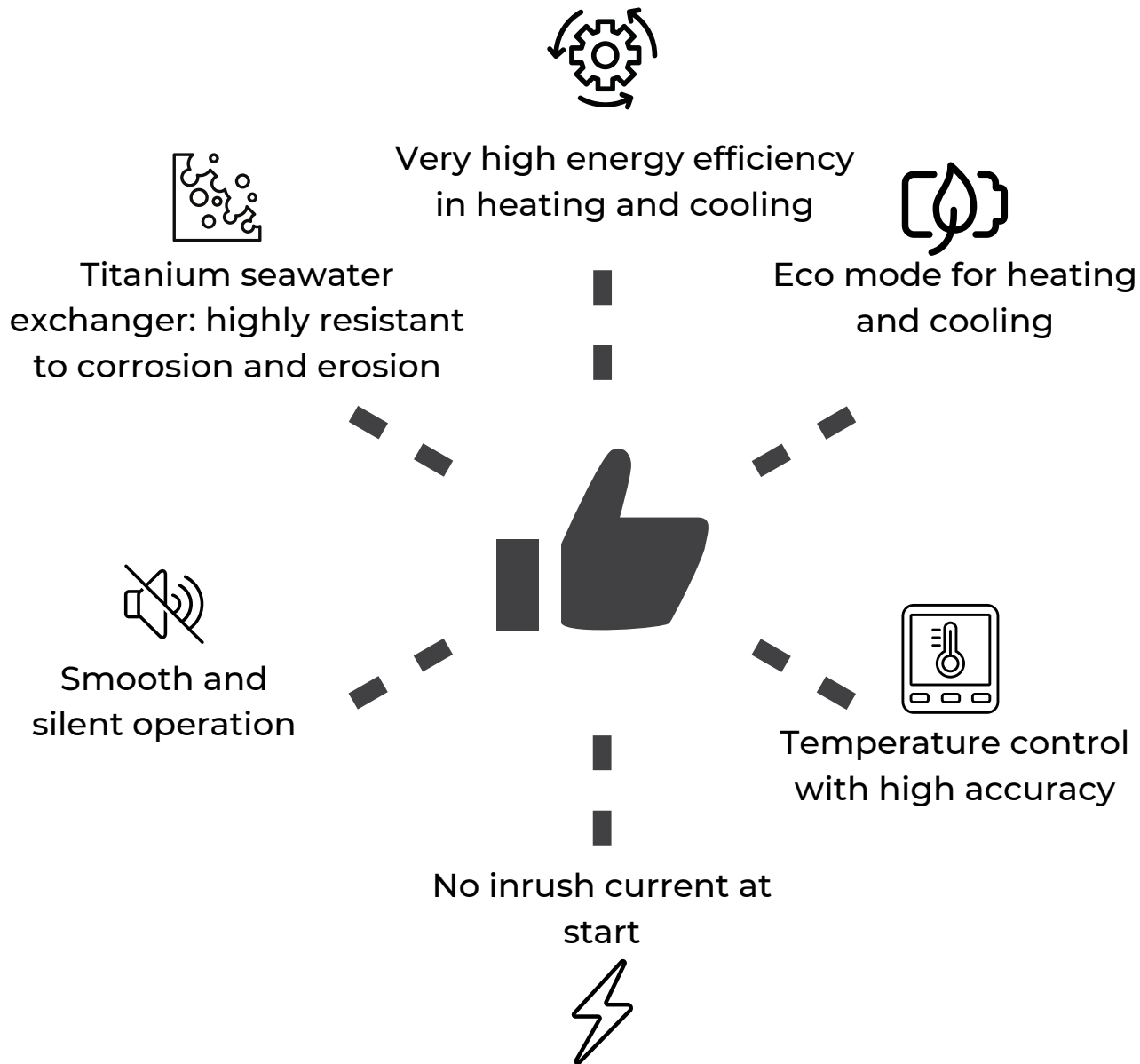


SDC10V48



Each air conditioning unit is tested with helium before packaging to ensure integrity, permitting the detection of the smallest gas leakage. Electrical safety tests followed by heating and cooling performance tests are also carried out on all units prior to shipping.

Key benefits





Quality

The units are very reliable employing high quality components and BLDC motors suitable for severe working conditions (min seawater temperature in heating 2°C, max seawater temperature in cooling 45°C). The units are designed and manufactured in Italy.



Energy saving

The BLDC motors together with highly efficient heat exchangers and electronic expansion valve minimise the power consumption in every working condition.

Our advanced technology enables our customers to reduce their environmental impact and contributes to a more sustainable society.



No peak current at start

The starting current is very low thanks to the accurate control of the starting compressor torque. Compressor starts very smoothly at low frequency.



Comfort

The electronic control and variable frequency drive allow to finely adjust the cooling and heating capacity maintaining the desired ambient temperature without fluctuations. BLDC motors, sound insulations and accurate design of ventilation sections make the units very silent in every working condition.



Easy installation

Thanks to the compactness and low weight the units are suitable for all types of boat, new constructions and refitting.

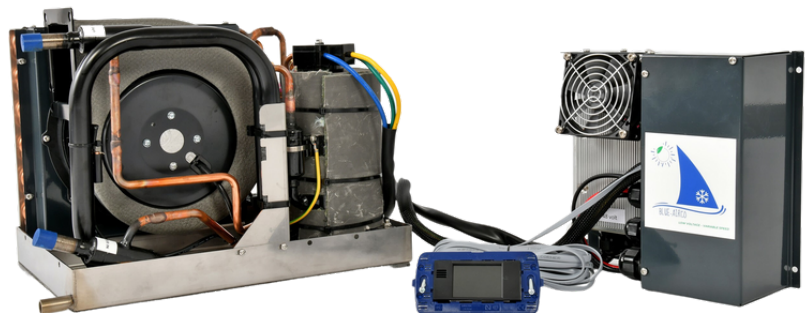
Technical data and features V12

Model	SDC08V12		SDC12V12	
Width	400 mm	15.7"	470 mm	18.5"
Height	300 mm	11.8"	300 mm	11.8"
Depth	300 mm	11.8"	330 mm	13"
Weight	22 kg	48.5 lb	28 kg	61.7 lb
Electrical box dims	250 x 250 x 109 mm	9.8" x 9.8" x 4.3"	250 x 250 x 109 mm	9.8" x 9.8" x 4.3"
Voltage	12VDC	12VDC	12VDC	12VDC
Max cooling capacity	8.400 BTU/h	8,400 BTU/h	12.400 BTU/h	12,400 BTU/h
Max heating capacity	8.000 BTU/h	8,000 BTU/h	11.600 BTU/h	11,600 BTU/h
Max input power	540 W	540 W	600 W	600 W
Max current	47 A	47 A	50 A	50 A
Current ECO mode cooling	13 A	13 A	13 A	13 A
Input power ECO mode cooling	160 W	160 W	150 W	150 W
Max seawater flow-pressure loss	1,2 m3/h - 4,2 m H2O	5.3 gpm - 13.8 feet H2O	1,3 m3/h - 4,5 m H2O	5.7 gpm - 14.7 feet H2O
Min seawater flow-pressure loss	0,8 m3/h - 1,9 m H2O	3.5 gpm - 6.2 feet H2O	0,9 m3/h - 2 m H2O	4 gpm - 6.6 feet H2O
Min air exit duct diameter	125 mm	5"	125 mm	5"
R410A refrigerant charge	0,28 kg	9.9 oz	0,35 kg	12.3 oz

Performance V12

self-contained unit	compressor speed	cooling capacity BTU/h	input power W	input current A
SDC08V12	max	8 400	420	35
	med	6 700	290	24
	min (ECO)	4 200	160	13
SDC12V12	max	12 400	530	44
	med	8 200	330	28
	min (ECO)	4 700	150	13

Tested at 32°C (89.6°F) seawater temperature (tropical conditions)



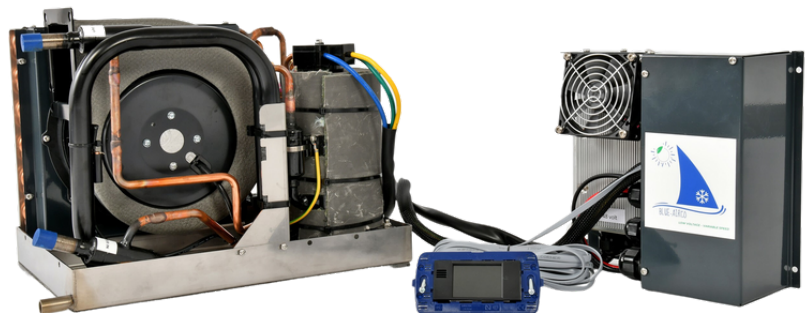
Technical data and features V48

Model	SDC10V48		SDC18V48	
	Width	400 mm	15.7"	470 mm
Height	300 mm	11.8"	300 mm	11.8"
Depth	300 mm	11.8"	330 mm	13"
Weight	23 kg	50.7 lb	28 kg	61.7 lb
Electrical box dims	250 x 250 x 109 mm	9.8" x 9.8" x 4.3"	250 x 250 x 109 mm	9.8" x 9.8" x 4.3"
Voltage	48VDC	48VDC	48VDC	48VDC
Max cooling capacity	10.700 BTU/h	10,700 BTU/h	18.200 BTU/h	18,200 BTU/h
Max heating capacity	11.000 BTU/h	11,000 BTU/h	18.900 BTU/h	18,900 BTU/h
Max input power	820 W	820 W	1280 W	1280 W
Max current	17 A	17 A	27 A	27 A
Current ECO mode cooling	4 A	4 A	5 A	5 A
Input power ECO mode cooling	200 W	200 W	220 W	220 W
Max seawater flow-pressure loss	1,2 m3/h - 4,2 m H2O	5.3 gpm - 13.8 feet H2O	1,5 m3/h - 5.4 m H2O	6.6 gpm - 17.7 feetH2O
Min seawater flow-pressure loss	0,8 m3/h - 1,9 m H2O	3.5 gpm - 6.2 feet H2O	1,3 m3/h - 4,2 m H2O	5,7 gpm - 13.8 feet H2O
Min air exit duct diameter	125 mm	5"	152 mm	6"
R410A refrigerant charge	0,28 kg	9.9 oz	0,38 kg	13.2 oz

Performance V48

self-contained unit	compressor speed	cooling capacity BTU/h	input power W	input current A
SDC10V48	max	10.700	790	16
	med	8.200	450	9
	min (ECO)	4.500	200	4
SDC18V48	max	18.200	1100	23
	med	12.600	600	13
	min (ECO)	5.000	220	5

Tested at 32°C (89.6°F) seawater temperature (tropical conditions)





Circulation pumps

12V

Magnetic pump 12VDC/IP65

Magnetic pump brushless 12VDC / IP65
(variable speed, suitable for 1-4 self-contained units)
Ref. 007001PUMOP12V

24V

Magnetic pump 24VDC/IP65

Magnetic pump brushless 24VDC / IP65
(variable speed, suitable for 1-4 self-contained units)
Ref. GEN001PUMOP24V

48V

Magnetic pump 48VDC/IP65

Magnetic pump brushless 48VDC / IP65
(variable speed, suitable for 1-4 self-contained units)
Ref. GEN001PUMOP48V



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