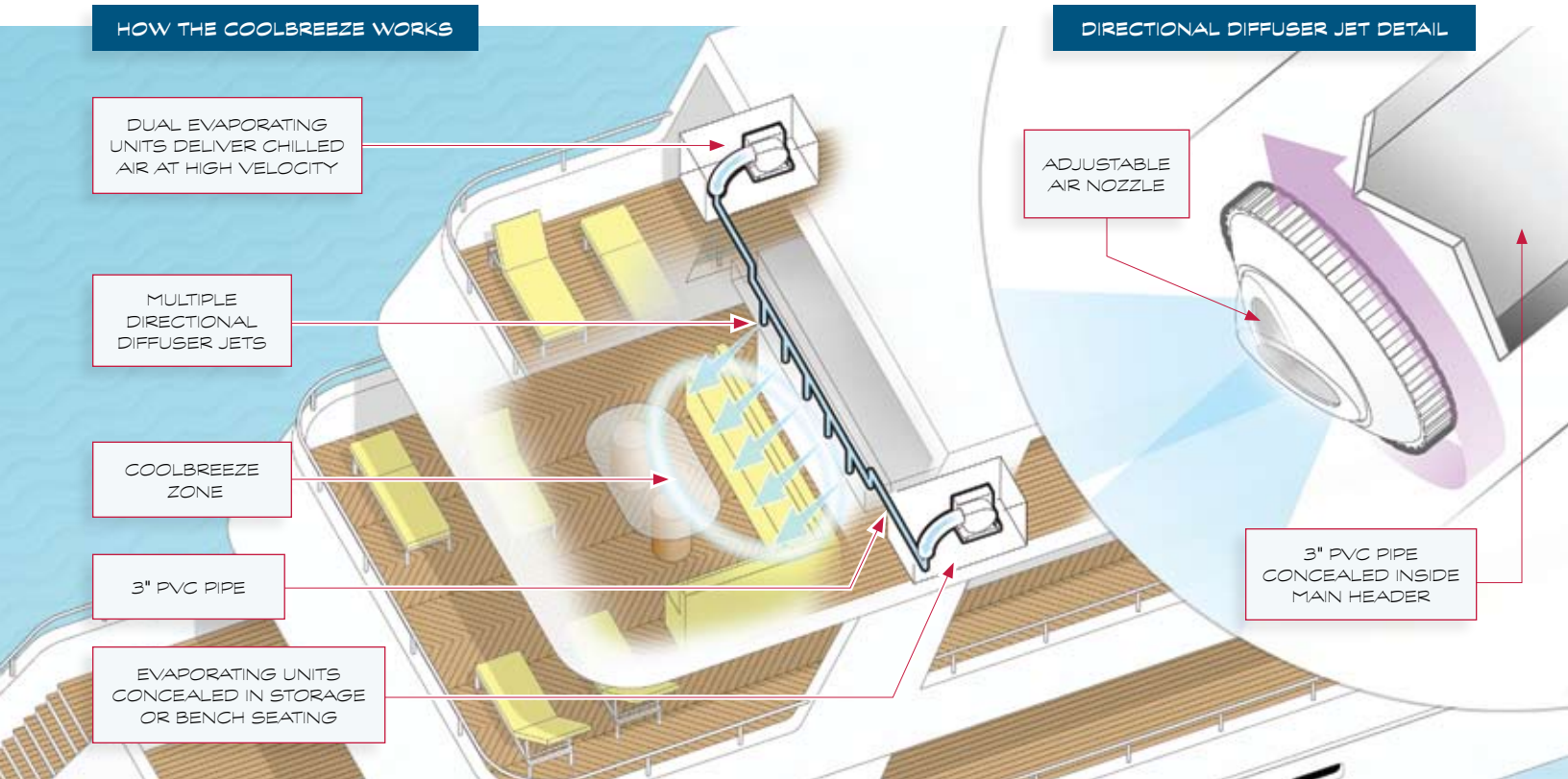


CoolBreeze

Stay Cool On Deck With Jets of Chilled Air



CoolBreeze provides an efficient, compact solution for generating cool air outside the living space by cooling the *people*, not the area.

Enhance your enjoyment of outdoor dining areas, lounge areas, and sport-fishing decks while CoolBreeze's directional jets blow chilled air right on you.

To maintain your yacht's aesthetic appeal, CoolBreeze uses rigid, small-diameter ducts that are easily hidden. The only visible parts of the system are the one-inch

Key Benefits

- Use outdoor areas previously too hot to enjoy.
- Highly efficient system cools people instead of area.
- Operates automatically based on ambient outdoor temperature.
- Unobtrusive installation maintains yacht's aesthetic appeal.
- Easily incorporated during boat building.
- Can be retrofitted into existing boats.
- Uses environmentally safe R-417A refrigerant.



Directional diffuser jets

RSC12C condensing unit, electrical/control box, and (2) SCE6C evaporator units shown

directional jets that concentrate the chilled air into high-velocity streams that cool the people at whom they are aimed.

Operation is totally automatic based on two temperature set points you select. In the first stage, when the temperature rises to the lower set point, the system powers up only the blowers to cool passengers with the jetted movement of ambient air. When the temperature rises to the higher set point, the compressor powers up and chills the air blown onto the passengers.

The system runs until the temperature drops, then CoolBreeze powers off in the reverse of these two stages: When the temperature drops below the higher set point, the

system switches to blower-only mode and then off when the temperature drops below the lower set point.

A single on/off switch powers the system. If powered on, the system is dormant until triggered by temperature. If powered off, the system does not operate regardless of temperature.

CoolBreeze provides a worry-free way to keep cool in the mid-day sun while knowing it will turn itself off in the coolness of the evening.

CoolBreeze is designed to perform in and cool high-temperature ambient air. It uses R-417A, an environmentally safe refrigerant approved by the EPA.

Technical Specifications for CoolBreeze

Model name	RSC12C-417	RSC12-417	SCE6C	SCE6
Capacity (BTU/hr)	12,000	12,000	6,000	6,000
Capacity (Kcal/hr)	3024	3024	1512	1512
Power (Volt, Hz, Ph)	200/230, 50/60, 1	100/115, 50/60, 1	200/230, 50/60, 1	100/115, 50/60, 1
Full Load Amperage - Cool	5.4	8.4	0.98	1.74
Locked Rotor Amperage	34	50	n/a	n/a
Refrigerant type	R-417A	R-417A	per cond unit	per cond unit
Sea Water Connection	5/8" -hose	5/8" hose	N/A	N/A
Return Grille Sizing (sq. in./sq. cm.)	N/A	N/A	130/839	130/839
Min. Nozzle Size (sq. in./sq. cm.)	N/A	N/A	2.65/17.1	2.65/17.1
Max. Nozzle Size (sq. in./sq. cm.)	N/A	N/A	6.14/39.6	6.14/39.6
Min. Air Velocity Per Nozzle ⁽¹⁾ (feet per second/meters per second)	N/A	N/A	1,772/540.1	1,772/540.1
Max. Air Velocity Per Nozzle ⁽¹⁾ (feet per second/meters per second)	N/A	N/A	2,186/666.3	2,186/666.3
Dimensions (+/- 0.5" or 13mm)				
Height (in/mm)	12.5/318	12.5/318	14/355	14/355
Width (in/mm)	12.2/310	12.2/310	15.5/394	15.5/394
Depth (in/mm)	15.1/384	15.1/384	10/254	10/254
Estimated Weight (+/- 10%)				
Net weight (lbs/kg)	62/28.2	62/28.2	18/8.16	18/8.16
Ship weight (lbs/kg)	68/30.9	68/30.9	24/10.9	24/10.9

Rigid Duct Options	Port Leg	Starboard Leg	Header	Reservoir ⁽²⁾
3" Legs X 3" Header	3" (76.2mm)	3" (76.2mm)	3" (76.2mm)	N/A
3" Legs X 3" Reservoir ⁽²⁾	3" (76.2mm)	3" (76.2mm)	N/A	See note ⁽²⁾

Notes:

⁽¹⁾ Velocity readings were taken approximately 8"-10" (203mm-254mm) away from the tip of the nozzles.

⁽²⁾ "Reservoir" refers to an enclosed area at least 8" X 8" (64 sq. in. or 413 sq. cm.). The two legs will pressurize this area and the nozzles will connect directly to the base of the reservoir. The use of a reservoir (where applicable), will reduce installation time and increase air velocity.

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