

Radome Environmental Control Unit

Keep Your Equipment Cool



Self-contained
HSA16KCZ/1-417A shown

Safe navigation relies on your ship's radar and communications equipment, and as with all electronics, overheating leads to equipment failure. The Radome Environmental Control Unit (ECU) is specifically designed to work within the dome enclosure, ensuring optimum temperatures for the critical equipment inside.

As you would expect from the world leader in marine air conditioning technology, this air-cooled unit is built for at-sea conditions. Although small and lightweight to provide ease of installation and maintenance, the Radome ECU is designed to exceed the cooling requirements of pleasure boat, commercial vessel, and military ship applications. Rugged construction with corrosion-resistant materials allows the unit to be operated in the most extreme conditions at sea.

The Radome ECU's highly efficient yet powerful rotary compressor provides quieter operation, increased reliability, and reduced amperage. Its raised-lance fin and the rifled tubing design of the evaporator and condenser coils provide maximum capacity. Three configurations are offered: interior dome self-contained, remotized ducted self-contained, and split-gas.

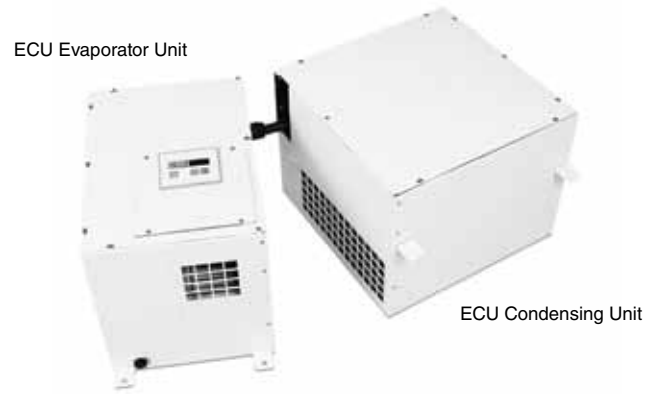
The Radome ECU is not limited to marine applications. It can also control the temperature and humidity levels of on-land locations such as electronics enclosures, telecommunications shelters, vaults, buildings, trailers, vans, and cleanrooms.

Key Benefits

- 3 configurations: Self-contained interior dome, self-contained remote ducted, and split-gas.
- Compact, lightweight, and easy to install.
- Durable, corrosion-resistant coating.
- Available in R-417A environmentally-safe refrigerant.
- R-22 units are retrofittable to R-417A to meet global environmental regulations.
- Solid state digital control provides reliable monitoring and control.
- Control circuitry monitors and protects the unit.
- High-efficiency rotary compressors provide reduced amperage, quieter operation, lower weight, and increased reliability.
- Raised lance fin and rifled tubing for maximum capacity.
- Each unit is pre-charged and leak checked.
- Charge Guard® protection provides sealed access ports, ensuring environmental protection and system integrity.
- Meet or exceed applicable ABYC and U.S. Coast Guard regulations, CE directives, and general Air Conditioning and Refrigeration Industry (ARI) standards.

Technical Specifications for Radome Environmental Control Units

Model	Radome ECU Unit		
Capacity (BTU/hr)	16,000		
Voltage/Hz/Ph	115/50-60/1	230/60/1 ⁽¹⁾	220/50/1
Locked Rotor Amps (Comp)	67.0	29.0	32.0
K.V.A. (Kilo-Volt-Amps)	1.3	1.3	1.3
Max. Circuit Breaker (Amps)	40.0	20.0	20.0
Min. Circuit Ampacity	25.0	14.0	12.0
Refrigerant R-22 or R-417A (oz/g)	26/737		
Net Weight (lbs/kg)	95.0/43.1		
Gross Weight (lbs/kg)	130.0/59.0		



Radome ECU split-gas system shown above

Dimensions

Self-Contained (LxWxH) ⁽²⁾	Split (LxWxH) ⁽³⁾	
	Condenser	Air Handler
30.0" X 18.0" X 14.5" 762mm X 457mm X 368mm	17.5" X 18.0" X 14.5" 445mm X 457mm X 368mm	12.7" X 18.0" X 14.5" 323mm X 457mm X 368mm

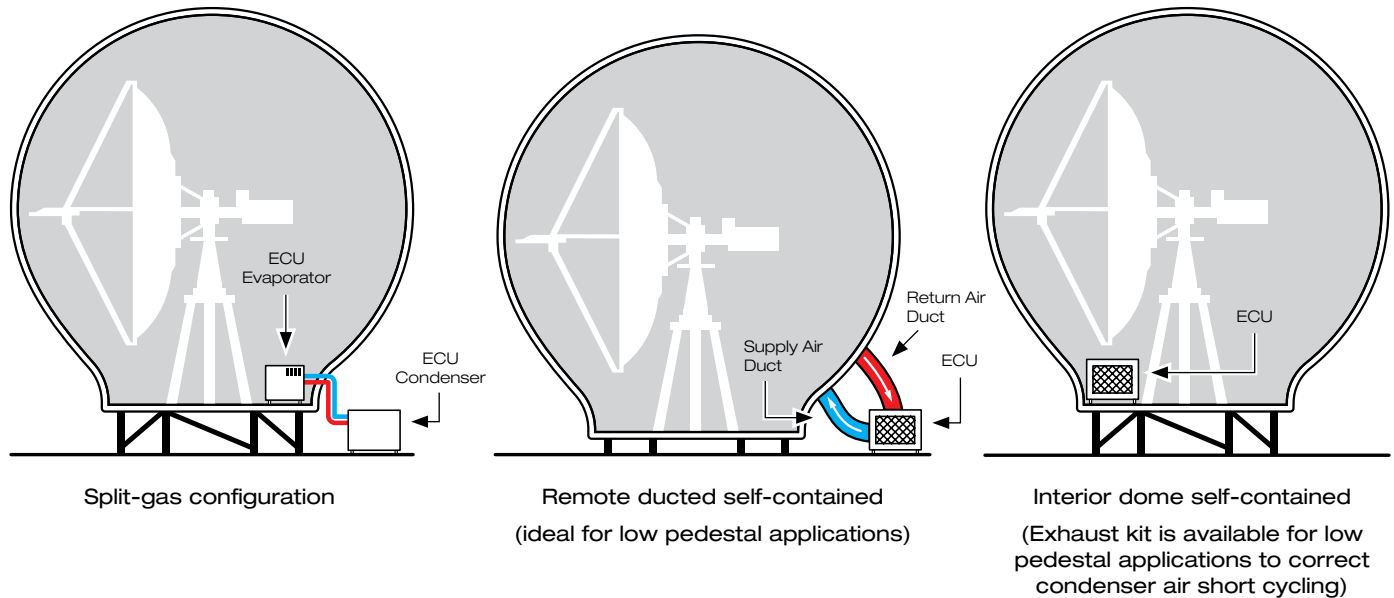
Notes:

⁽¹⁾ Can also be operated at 200-220V/50Hz.

⁽²⁾ Allow 1.5" (38mm) for mounting brackets.

⁽³⁾ Rotary compressors only.

The Radome ECU is available in three configurations:



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