

The ACI H15000C Heater

- Lightweight aluminum and thermoplastic construction
- 12v, 1.8amp (two 70,000-hour, ball bearing fans)
- Airflow 260 cfm (130 cfm using one fan for reduced heating)
- High efficiency aluminum shroud
- Double mounting flange
- Accepts 5/8" heater hose (not applicable for air cooled engines)

Model ACIH15000C

15,000 BTU

11 1/4" w x 7 1/4" h x 3 1/8" d *

Only 3.6lbs

*Fittings add approximately 1" to 1.5" to the overall height (depending on the fitting)

More BTU's ☆ Greater Airflow ☆ Lighter ☆ Smaller ☆ Better Value!

(as compared to conventional 12v truck/bus heaters.)



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INSTALLATION

Hose Barbs & Heater Hose:

These heaters are supplied with 90-degree 5/8" x 1/2" MPT brass hose barb fittings. These fittings should be sealed using Permatex 80632 Thread Sealant with Teflon (included with kit). If straight (Brass or Aluminum) fittings are used they should be similarly sealed. A heater hose with 5/8" ID is installed **IN PARALLEL** to the engine cooling system using two "T" fittings (included with kit) in the 1" lines to and from the engine radiator. There is very little heat transfer with the fans off. Therefore, it is **not necessary** to provide an in-line shutoff valve.



Heat Distribution Considerations:

The **ACI H15000C** has an aluminum shroud that helps direct the air forward. Heater effectiveness can be increased by removing cockpit drafts and increasing coolant temperature (by restricting airflow through the radiator housing and keeping the heater hose runs as short as possible). Conversely, to reduce heat simply open a canopy slightly. This also increases demisting effectiveness.



Electrical:

If desired, each fan can be switched separately to vary the heat output. Black wires go to ground and red wires to 12V. Use 22-gauge (minimum) wire protected with a 3-amp circuit breaker, fuse, or PTC.

Mounting:

The heater must be oriented so that the air cannot be trapped inside the heater core. For this reason, it is recommended that both hose connections (or at least the return hose) be positioned "up". The **ACIH15000C** has two 1/4" mounting holes on each flange. Additional holes can be drilled as required.

Kit Contents:

One ACI H15000C Heater Core, Two 90 Degree 5/8" x 1/2" MPT brass hose barb fittings. Two 1" x 1" x 5/8" Tee Fittings, One 4oz Jar of Permatex 80632 Thread sealant with Teflon