

Subject: Re: [c-a] electric heat

Date: Thu, 9 Nov 2000 02:42:44 -0500

From: "Bruce McElhoe" <brucem@theworks.com>

To: "Canard Aviator's Mailing List" <canard-aviators@canard.com>

[The Canard Aviators's Mailing list]

Lou,

Bill Theeringer makes a heater out of a converted hair dryer. He does a beautiful job of converting and I have heard reports that it is sufficient for some builders. I installed one a few years ago, and found that it did not put out enough heat for me and my passenger.

Two winters ago I replaced my engine, and at that time I installed another oil cooler up front and took heat from engine oil.

I figure my system delivers over 20,000 Btu/hr into the cabin when wide open. (1.7 gpm, $C_p = 0.5$, 60 deg temp drop). I find this is just right at 17,500 ft altitude for both me and my passenger.

The electric hair dryer puts out about 240 watts, which equals 823 Btu/hr. So you see why I found the hair dryer was not adequate.

I hope this gives you some ideas. Good luck with your project.

Bruce McElhoe
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Long-EZ N64MC

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