
Subject: HI10c Heatsink data

Posted by [Leland Crooks](#) on Tue, 18 Jul 2006 23:19:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

Wayne dropped me a line and asked me to post this. It's the data from when I tested the C's with heatsinks. I now have a new Fluke and should probably redo them. But this was enough along with the a's test to convince me. This test only went to 10 volts as I fried my resistor. I tested with the a's to 30volts.

Contrary to some opinions, these things work, and work well. I routinely run 400-500w average through my 300w rated c's, with no ill effect.

Subject: Re: HI10c Heatsink data

Posted by [Wayne Parham](#) on Wed, 19 Jul 2006 03:14:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thanks for taking the time to post this. It looks like you used the published value of R_e rather than measuring it. I realize that you measured resonance values and all the other things that it takes to do T/S calculations, but did you also measure DC resistance of the voice coil at any time? The AC impedance value would be close at some frequencies other than resonance, an octave above or below for example. I'm just curious really, to know if you have temperature or resistance measurements for the HL10. But the real test is how effective the heat exchanger is at reducing thermal stress, and ultimately increasing driver reliability. In that regard, the doubling of power limits is a pretty good indication. Related thread about heat exchanger effectiveness
