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Subject: Re: Power Compression and Heat sinks

Posted by [Wayne Parham](#) on Wed, 28 Dec 2005 15:07:16 GMT

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I'd encourage you to test the device thoroughly. We're not entirely in uncharted waters, but there are very few maps where we go, so to speak. The device will most certainly increase power handling and reduce compression if it is dissipating heat as it should be. It will also reduce the shift of electro-mechanical parameters, so you won't see a peak appear at low frequencies from voice coil heating at high power levels. But to quantify all this, you'll have to make some measurements. The digital thermometer is a good start, as it will show you the temperature with and without the device and you can compare the difference. I suggest heat soak tests where you run the woofer at high power levels for an hour or two. Measure temperature and check T/S specs. Then since you have the cabinets done, you might also check response of the system, and see how much it deviates from cold at various power levels.

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