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Subject: Amp clipping

Posted by [dbeardsl](#) on Thu, 11 Jul 2002 04:39:36 GMT

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On the subject of my father's speaker cabinet using Alpha 8A's...I was just doing some experimenting and I noticed with the guitar amp that that one single 8ohm Alpha 8 caused the amp to clip a LOT earlier than one of these 12" Jensen drivers (specs in link below) that came with the amp. I just don't get why the Alpha clips much so much sooner... what gives?

<http://www.rubytubes.de/Jensen/prodotti/schede/zj0514.htm>

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Subject: Re: Amp clipping

Posted by [Wayne Parham](#) on Thu, 11 Jul 2002 15:52:37 GMT

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That's weird. I see from the link you sent that the Jensen speaker has voice coil resistance of around 6 ohms and inductance of around 0.5 millihenry. That is pretty normal for a speaker like this, and similar to that of the Eminence Alpha 8. What's the condition of the voice coil on the Alpha 8? Are they new?

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Subject: Re: Amp clipping

Posted by [dbeardsl](#) on Thu, 11 Jul 2002 16:10:08 GMT

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very wierd. The alpha 8's are brand new. I know it isn't just my ears, I was A/B ing them keeping the same volume level on the amp, and I couldn't get the amp to clip or distort with the jensen, but a moderate pluck on any of the three top strings and it clips with the alpha, I was watching the extension and it appeared to be within limits... could it be that the amp has poor damping?.Should I try using a zobel? if so, what would the values be?

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Subject: Re: Amp clipping

Posted by [Wayne Parham](#) on Thu, 11 Jul 2002 21:26:29 GMT

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Do you have a scope? Can you see what's happening? Perhaps use a resistor for a load? About the Zobel, I don't think that will help you. It's good for impedance compensation, but it's really only

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useful when you have a crossover. When the speaker is connected directly to the amp, a Zobel doesn't do much good.

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