Subject: Re: Wayne - What are the fundemental differences between ....
Posted by Wayne Parham on Fri, 29 Sep 2006 01:44:40 GMT
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be, but I pulled it from the line a couple years back. It was very large, and I felt it was just too big. The Q of the Alpha 15 driver is so high it needs an open baffle or a really big box.

needs a large box. It is tuned to have a nice slow rolloff, so it works well near boundaries, taking advantage of boundary loading and room gain. The Professional Series midwoofer is like that too, but the box is much smaller and its midwoofer generates lower distortion because of its use of a shorting ring. The Stage Series is right in between, but doesn't have a shorting ring. It also is better with less boundary loading.

The thing with low power SET amps is they have high output impedance. That makes electrical damping less effective. So woofers that have low Qes will act like they have much higher Qes when a tube amp is used. Speakers generate back EMF, which is not damped by the amp, so response can suffer in some cases. If a loudspeaker's impedance curve has large spikes, then this will act like a voltage divider with the tube amp, which in turn causes response spikes.

others. All of the Thermionics and Studio Series models work well on any amp, including low power SET amps.