
Subject: Re: Alternate idea for 7Pi midhorn enclosure?
Posted by [Wayne Parham](#) on Thu, 31 Jan 2013 20:34:22 GMT
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In this case, the ideal rear chamber size is more horn-related than driver-related. I should say it is horn/driver-related, since they are a system, but my point is it's not just a matter of the driver, like in the case of a sealed or vented direct-radiating loudspeaker cabinet.

The ideal rear chamber size for this horn is infinite, but it approaches that anywhere larger than 0.35ft³. We're not looking for reactance annulling - The horn is essentially designed to have an open rear chamber, but we don't want the rear wave bouncing around, so we need it contained and damped.

The size where the chamber is large enough to be effectively "infinite" is 0.35ft³. That's not a very large chamber, but again, this is a horn and the volumes are different for horns than they are for direct radiators.
