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Subject: Mid-horn questions

Posted by [Peter K](#) on Tue, 15 May 2007 12:34:34 GMT

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Hi Wayne, Could you please tell me something about the 9Pi mid-horn for a 10" driver? In an earlier post, I saw that it had an 18" x 18" mouth and a 4.5" x 4.5" throat, but I could not see the length of the horn (on axis). 1. Could you please tell me the length of the 9Pi mid-horn? 2. What is the intended frequency range of this horn with a JBL 2010H? 3. How does the 9Pi horn sound compared to the 90 x 40 mid-horn you use for the 7Pi audiophile version? Thanks a lot in advance!! Regards Peter

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Subject: Re: Mid-horn questions

Posted by [Wayne Parham](#) on Tue, 15 May 2007 16:29:24 GMT

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4.5"x4.5" throat, 33in3 front chamber and 80in3 rear chamber. Response is flat from 200Hz to

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Subject: Re: Mid-horn questions

Posted by [Peter Krojgaard](#) on Tue, 15 May 2007 16:48:52 GMT

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Hi Wayne, Thanks a lot for your reply! Do you have a preference soundwise for one of the mid-horns when loaded with a JBL 2010H? Thanks! Regards Peter

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Subject: Re: Mid-horn questions

Posted by [Wayne Parham](#) on Wed, 16 May 2007 06:26:21 GMT

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I wouldn't evaluate the midhorn alone, rather, I'd evaluate it as part of a system. I like the seven

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Subject: Re: Mid-horn questions  
Posted by [Peter K](#) on Wed, 16 May 2007 06:38:32 GMT  
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Hi Wayne, Thanks a lot again! One final question: I understand that the 7Pi version uses no back chamber whereas the 9Pi version uses 80 inch<sup>3</sup> back chamber. In plain words: what does it do to the sound when you remove the back chamber? Thanks! Regards Peter

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Subject: Re: Mid-horn questions  
Posted by [Wayne Parham](#) on Wed, 16 May 2007 16:01:30 GMT  
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to act pretty much like there is no rear chamber at all. The resonance of the rear chamber is shifted down out of the passband. This gives a slower more gradual rolloff at low frequencies. The lower cutoff of the horn. This is called reactance anulling, and it works something like the vent of a bass reflex cabinet. The rear chamber and driver system is tuned to peak at a low frequency where response would otherwise dip.

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Subject: Re: Mid-horn questions  
Posted by [Peter K](#) on Wed, 16 May 2007 16:05:09 GMT  
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Hi Wayne! Thanks a lot - very clear and helpful as always! Regards Peter

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