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!!RegardsPeter

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

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!RegardsPeter

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

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 inch3 back chamber. In plain words: what does it to the sound when you remove the back chamber?Thanks!RegardsPeter

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.

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!RegardsPeter