
Subject: How low will this horn go
Posted by [Klaus](#) on Mon, 04 Oct 2004 15:52:16 GMT
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Hello everyone, Please forgive my poor english I am German. I want to use only the bass horn part of my Yamaha S5115HT speakers. They are like the Altec VOT with a bass horn that is also vented using a 15 inch speaker. I will not use the vented part but add a back chamber to the horn. The horn mouth is 26,5 inch x 22,5 inch. Depth is 14 inch. The throat is about 12 inch in diameter with slightly flat top and bottom. How low will this horn go? Is 160 hz possible? Thanks, Klaus

Subject: Re: How low will this horn go
Posted by [Julenk](#) on Mon, 04 Oct 2004 16:23:07 GMT
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I'd say 200hz is probably as low as you should expect.

Subject: Re: How low will this horn go
Posted by [Bill Fitzmaurice](#) on Tue, 05 Oct 2004 12:08:16 GMT
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A 14 inch pathway will support a potential F_c of 242 Hz. The horn will pass frequencies below that in direct radiator mode. I personally don't think a 242 Hz F_c makes sense with a 15 inch driver when the same could be accomplished with an eight.
