
Subject: H290C and JBL LE14H-3
Posted by [BHam](#) on Fri, 07 Feb 2014 19:12:48 GMT
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Hello all. My first post here.

I am hoping to finish an old project. I have the JBL LE14H-3 that I want to pair with the H290C and DE250 driver. I will use a modified econowave x-over which lowers the crossover frequency to 900Hz for the LE14. My question is will the H290C play down that low without distortion or break-up? I have not bought waveguides or CDs yet due to my apprehension. Any thoughts?

BHam

Subject: Re: H290C and JBL LE14H-3
Posted by [Bill Epstein](#) on Sat, 08 Feb 2014 22:04:52 GMT
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Hard to find specs on the LE14 away from it's Array, or as a sub-woofer, but the rubber surround perhaps means a lot of xmax and a lower efficiency than you might want to pair with a compression driver.

JBL crosses it at 300Hz as a sub, the DE-250 Fs is 1,000 Hz. You must have information I can't find to want to do this?

Subject: Re: H290C and JBL LE14H-3
Posted by [BHam](#) on Sat, 08 Feb 2014 22:07:03 GMT
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I may have answered my own question. I found this graph from another website:

Looks like it doesn't start tapering off until 850 Hz or so.

It was a toss up between the H290C or SEOS-15.

File Attachments

1) [image.jpg](#), downloaded 3385 times

Subject: Re: H290C and JBL LE14H-3
Posted by [BHam](#) on Sat, 08 Feb 2014 22:38:22 GMT
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Here is a freq response I found for the JBL.

Looks like it will play high enough for the 2-way speaker I hope to build.

File Attachments

1) [image.jpg](#), downloaded 3376 times

Subject: Re: H290C and JBL LE14H-3
Posted by [maxserg](#) on Mon, 17 Feb 2014 15:06:41 GMT
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The freq resp in on axis for the LE14. No shure it would go higher than 500/800Hz, you would need a horn that goes lower. The dispersions need to be almost the same for the 2 components at xover point.

Subject: Re: H290C and JBL LE14H-3
Posted by [BHam](#) on Mon, 17 Feb 2014 16:43:19 GMT
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Thank you for the reply.

I guess I really won't know for sure until I have the equipment to accurately measure them. Until then I am shooting in the dark.

I am waiting on some parts to finish them, so I will have an idea soon.

If I can't make the JBLs play in a 2-way arrangement, I will sell off the drivers and buy some that will.

Many thanks,

BHam
