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Subject: H290C dimensions

Posted by [zheka](#) on Mon, 30 Jul 2012 18:28:44 GMT

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Hi Wayne,

I thought I'd start working on the cabinets while waiting for the horns and crossovers. I'd like to set the H290C in a recessed cutout. Is there any way to get proper dimensions for this?

Thank you.

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Subject: Re: H290C dimensions

Posted by [Wayne Parham](#) on Mon, 30 Jul 2012 19:18:29 GMT

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The outside dimensions of the H290C are 11.63" wide x 6.56" tall x 5.90" deep. Most of it is 0.25" thick, although some portions are thicker. The front "lip" is 0.25" thick; Driver mounting bracket is a little thicker. Corners are radiused at 0.8". That's what you would cut into the baffle with a router for a flush mount.

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Subject: Re: H290C dimensions

Posted by [zheka](#) on Mon, 30 Jul 2012 19:36:54 GMT

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Perfect.

Thank you!

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Subject: Re: H290C dimensions

Posted by [gofar99](#) on Mon, 30 Jul 2012 21:20:39 GMT

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Hi, Egads, how did they come up with those dimensions? Neither a standard US nor metric?

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Subject: Re: H290C dimensions

Posted by [Wayne Parham](#) on Tue, 31 Jul 2012 03:43:48 GMT

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It does seem odd dimensions at first glance, but they're really not so weird - I just wrote them in anyway. That way it won't have to be tapped in or pried out.

But said in fractional inches, the dimensions are 11-5/8" wide x 6-9/16" tall and 1/4" thick.

I wanted to make the baffle cutout an exact match for the old H290 horn so the H290C would be a bolt-on upgrade for existing speaker owners. The H290C fits right in the same router groove, so flush mounted speakers won't have to be rebuilt. No change to bolt-pattern either. The baffle cutout has to be made slightly larger, because for performance reasons, the H290C requires a 10.5" x 5" baffle cutout. But that can be accomplished with just a few strokes of a four-in-hand, rasp or file. It fits right in.

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Subject: Re: H290C dimensions  
Posted by [zheka](#) on Tue, 31 Jul 2012 04:38:40 GMT  
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You know your Cyrillic, don't you, Wayne?

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Subject: Re: H290C dimensions  
Posted by [Wayne Parham](#) on Tue, 31 Jul 2012 12:20:29 GMT  
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Subject: Re: H290C dimensions  
Posted by [gofar99](#) on Tue, 31 Jul 2012 15:15:00 GMT  
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Fractions.... what are they I knew Cyrillic, kind of cute in a different sort of way

Thanks for the info, it never occurred to me that they use fractional inches.

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Subject: Re: H290C dimensions  
Posted by [Wayne Parham](#) on Tue, 31 Jul 2012 15:44:14 GMT  
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The dimensions don't really have anything to do with Cyrillic. Russians use metric measurements for the most part, but the H290C dimensions weren't affected by that. They aren't metric measurements.

They are sort of oddball dimensions, I guess, not a major multiple of a half-inch or something like that. But again, I wanted to make the H290C be a drop-in replacement for the older H290, which it supercedes.

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Subject: Re: H290C dimensions  
Posted by [zheka](#) on Tue, 31 Jul 2012 21:48:27 GMT  
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Wayne,

If I want to flush mount, should I use 1" MDF panel for the front baffle or 3/4" panel is adequate in your opinion? Given that the recess is 1/4" deep.

Thanks again!

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Subject: Re: H290C dimensions  
Posted by [Wayne Parham](#) on Tue, 31 Jul 2012 22:18:51 GMT  
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zheka wrote on Tue, 31 July 2012 16:48 If I want to flush mount, should I use 1" MDF panel for the front baffle or 3/4" panel is adequate in your opinion? Given that the recess is 1/4" deep. What I like cabinetmakers to do is to cut a ring that surrounds the baffle cutout both for the midwoofer and tweeter. This ring can be cut from scrap wood, and is only there to provide some extra thickness in the area where the router cuts into the baffle. Glue it in place behind the baffle, and install the T-Nuts or threaded inserts into it.

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Subject: Re: H290C dimensions  
Posted by [zheka](#) on Wed, 01 Aug 2012 12:18:58 GMT  
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Is it safe to assume that this kind of support rings do not require any cabinet volume compensation?

Subject: Re: H290C dimensions  
Posted by [Wayne Parham](#) on Wed, 01 Aug 2012 12:46:27 GMT  
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That's right, no adjustment necessary. They don't displace much internal volume at all.

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Subject: Re: H290C dimensions  
Posted by [dheflin44](#) on Thu, 29 Nov 2012 18:11:52 GMT  
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Sorry to belabor this, but I want to be sure to get the baffle recesses right. In the H290C picture below, it looks like the corner radius is about the same height as the top and bottom flanges which are about 0.8", right?

#### File Attachments

1) [H290C\\_photo\\_02.jpg](#), downloaded 2881 times

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Subject: Re: H290C dimensions  
Posted by [Wayne Parham](#) on Thu, 29 Nov 2012 18:33:07 GMT  
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Yes, exactly. If you continue to rotate the curvature of the corner to form a full circle, it will have diameter of 1.6", e.g. radius of 0.8".

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Subject: Re: H290C dimensions  
Posted by [dheflin44](#) on Thu, 29 Nov 2012 18:46:46 GMT  
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Gotcha, thanks.

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