
Subject: Pi subwoofer kits

Posted by [Russellc](#) on Thu, 09 Jul 2009 21:08:46 GMT

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Wayne, what is the deal with these kits? (3 pi subwoof) What comes with it, (what driver) and can I obtain box plans to cathouse7 at SBCglobal dot net please. Looks very interesting!

thanks in advance!

Russellc

Subject: Re: Pi subwoofer kits

Posted by [Wayne Parham](#) on Fri, 10 Jul 2009 00:52:32 GMT

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I'll send you the plans.

It's a pretty simple speaker - just a woofer in a vented cabinet, tuned to give strong output to 20Hz. The cabinet is 3.6ft³ tuned to 22Hz, yielding f₃=22Hz and f₁₀=18Hz.

Subject: Re: Pi subwoofer kits

Posted by [Russellc](#) on Fri, 10 Jul 2009 16:28:38 GMT

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What is the sensitivity of those subs compared to JBL 15" woofers like the 2225? I expect you will need to double the number of subs to match.

Subject: Re: Pi subwoofer kits

Posted by [Wayne Parham](#) on Fri, 10 Jul 2009 21:07:47 GMT

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Freespace sensitivity is 89dB. If you just use a pair of subs, you'll need about 10dB gain in the amp stage to match the stereo mains. If you use four subs, you won't need as much gain and you'll also get better smoothing from multiple bass sound sources.

Multi-sub configuration

Subject: Re: Pi subwoofer kits

Posted by [Russellc](#) on Mon, 13 Jul 2009 17:41:37 GMT

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Thanks Wayne much appreciated!

Russellc

Subject: Re: Pi subwoofer kits

Posted by [Psychoacoustic](#) on Tue, 14 Jul 2009 00:20:29 GMT

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What drivers are available/recommended for use in Pi3?

Russell, what are you thinking of using?

Subject: Re: Pi subwoofer kits

Posted by [Wayne Parham](#) on Tue, 14 Jul 2009 01:41:02 GMT

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We sell an OEM PI-12 driver that's essentially a LAB12 with a machined pole piece. You can also use a stock LAB12.

Subject: Re: Pi subwoofer kits

Posted by [Psychoacoustic](#) on Thu, 16 Jul 2009 01:23:20 GMT

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LAB12- thanks. OK, so no insulation or bracing required- correct? Looks like a quick build. Will use ply.

Subject: Re: Pi subwoofer kits

Posted by [Wayne Parham](#) on Thu, 16 Jul 2009 03:59:03 GMT

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It can't hurt to cross-brace, we do. But no insulation is required. Just a box and woofer.

Subject: Re: Pi subwoofer kits

Posted by [Psychoacoustic](#) on Thu, 16 Jul 2009 23:30:30 GMT

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Great. Will cut my first window brace.
