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Subject: subwoofer project suggestions

Posted by [20Hz](#) on Thu, 18 Jan 2007 20:41:05 GMT

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Guys, I am thinking of building a woofer. It will be used with already large speakers with good bass down to 25Hz or so. It will be music only. I have heard lots of subs that do a decent job down to almost 20Hz but I listen to a lot of organ and orchestral recordings made in large spaces and have found few if any that can really do the sub 20Hz stuff well without lots of port noise or motorboating, or sound just plain fake, even expensive ones. I know it will have to be big but here's what I want...something that operates primarily between 10 and 25Hz to pick up the lowest pipes, some recordings have 64ft pipes lower than 16Hz(!) as well as the massive and airy decay of really large recording spaces. I don't want something that is gasping for its last breath at 16Hz only to produce 90db or less with 25% distortion or more. I would prefer to use smaller drivers (10 or 12 even if it involves multiples). I find them to be more transparent, but in a big cabinet. I just have yet to find a 15 or 18 inch woofer that doesn't have an obvious sound. The question is what size box and/or loading scheme would you suggest? I don't need the sub to have impact at 40-80 hertz, again it would only be used under large speakers. I also need a good amp and crossover, something that can roll the sub out down low to keep it below 20 or 25. I realize this is different than most people want. Any ideas?

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