Subject: subwoofer cabinet size
Posted by JBLman on Wed, 28 Aug 2002 18:09:41 GMT
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The sketch dimensions are 40x32x20 which equals 14 cu ft. Big, big Is there another alternative, more compact, that will give approximately the same performance using JBL2245H.Also when I order my crossovers for the 4-pi speakers, is there something that I will need to do to accomodate the addition of the sub-woofer

Subject: Re: subwoofer cabinet size
Posted by Wayne Parham on Wed, 28 Aug 2002 18:30:39 GMT
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The plans I distribute are for 10ft3 cabinet, before internal component displacements are even considered. And you can get excellent performance from a 2245 using as little as 6 cubic feet. PiAlign suggests 8 cubic feet, tuned to 30Hz. Anything from about 6 to 10 cubic feet gives very similar performance, with the cabinet tuned to 30Hz. So you can really take some liberties with your cabinet shape and dimensions, as long as it falls within these limits. I'd consider anything in that "window" as being PiAlign'ed, since it acts fundamentally the same.About your crossover, I'd recommend you go active when impementing subs. Many amplifiers are specifically designed for this purpose, and you can simply set the crossover point.

Subject: Re: internal is 9'
Posted by bmar on Wed, 28 Aug 2002 23:13:05 GMT
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Yes the outside dimensions yield a 14+ cubic foot space. The actual internal dimensions are 10 cubic and less the driver, bracings and any internal structures you will have a full 9 cubic foot box "internal". The recessed front looks attractive yet it consumes floor space that is not yielding anything internal. so, you bet. They are big!