Subject: Re: PiAlign nomenclature
Posted by Wayne Parham on Mon, 12 May 2003 20:22:06 GMT
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The advantage of a PiAligned 2206 vs. one that's 3 cubic feet is that the PiAligned cabinet is flat down to its lower cutoff. You can expect this from cabinets of about 0.75ft3 to 1.5ft3 tuned to 60Hz. But if deep bass is desired from the 2206, then other alignments might be considered. An advantage of a larger box is deeper extension. You can expect output down to about 35Hz in a 3ft3 box tuned to 35Hz, but it will be an EBS alignment with the lower bass shelf reduced some 5dB from the midband amplitude. This is a pretty good alignment where deep bass is required from a 2206.One alignment favors full range performance and the other favors deep bass, but both are acceptable design choices. Another good option would be a compromise solution: JBL suggests this in their product documentation - A 2ft3 cabinet tuned to 50Hz.

JBL 2206 specification sheet