
Subject: PiAlign says...

Posted by [Wayne Parham](#) on Sun, 23 Jun 2002 16:22:37 GMT

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Using your numbers, $F_{ts}=26.6$, $V_{as}=15.0$ and $Q_{ts}=0.40$, PiAlign values are $F_{rd}=26.6$, $V_{ad}=15.0$ and $Q_d=2.5$. PiAlign suggests making a 6 cubic foot box tuned to 25Hz. For a bass-reflex cabinet, actual dimensions are 34" x 22" x 15" and with a rectangular port having inside dimensions of 3 15/16" x 6 15/16" x 14" long. The resulting system has a lower -3dB point of 40Hz and response down to this frequency is nice and smooth.
