
Subject: PiAlign says...

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

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Using your numbers, $Fts=26.6$, $Vas=15.0$ and $Qts=0.40$, PiAlign values are $Frd=26.6$, $Vad=15.0$ and $Qd=2.5$. 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 $3 \frac{15}{16}$ " x $6 \frac{15}{16}$ " x 14" long. The resulting system has a lower -3dB point of 40Hz and response down to this frequency is nice and smooth.
