
Subject: Re: Pi versus T-S

Posted by [Wayne Parham](#) on Wed, 20 Nov 2002 09:01:50 GMT

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Using the data you provided, $V_{as}=57L$, $Q_{ts}=0.33$ and $F_{ts}=46Hz$, you can enter these values into PiAlign as $V_{ad}=2ft^3$, $Q_d=3$ and $F_{rd}=46Hz$. PiAlign recommends a rather small box of $0.667ft^3$ (20L), tuned to 52Hz with a port that's 4.4" long and with area of $4.3in^2$. It further recommends that this be accomplished with a cylindrical port of 2.35" diameter or a rectangular port of 1.56" x 2.77". The system would then have -3dB around 70Hz, I expect, and would work well as a midwoofer system, perhaps as surround speakers or as mains designed to be used with subs.

Discussions about various cabinet alignments
