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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

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