
Subject: Wayne: PiAlign - Strange results for Delta 12 LF

Posted by [ThomasF](#) on Tue, 21 Feb 2006 03:16:08 GMT

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I tried to calculate $V_e = V_{ad}/Q_d$ with $Q_d = 1/Q_{ts}$, and get 1.1 cft for the Delta 12LF (Theater 3), shouldn't it be around 3-4 cft? PiAlign.exe gave me the same results. I used the T/S from the Eminence website. Also, what is the difference in sound for a PI alignment vs the traditional QB3 or C4/SC4 alignments? thx, Tom

Subject: Eminence model changes

Posted by [Wayne Parham](#) on Tue, 21 Feb 2006 05:23:04 GMT

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You might check out the formula in the PiAlign document. It shows what calculations are used. You might also be interested in the write-up of various alignments in the post called "Response curves of closed vs. vented systems".

About T/S specs, Eminence changes them periodically without changing model numbers. They

Speakers were originally designed for an earlier version Eminence driver with different specs.

This has happened several times over the years. Eminence has made many changes, a search through the archives will show several notices to that effect. If a driver change results in a non-viable system design, I modify the cabinet or drop the model altogether. But if the response isn't worsened by the driver spec change, I usually don't.