
Subject: min size of port

Posted by [Observator](#) on Wed, 10 Oct 2001 08:14:22 GMT

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Hi Wayne, I would ask you about port dimensions of Pi Align model: back to my Pi Afterburner Eminence Beta12LTA: $F_s=45$, $Q_{ts}=0.51$, $V_{as}=2,4548\text{cuft}$, PiAlign give me $V_e 2,454828132\text{cuft}$, $F_{re} 33,08823529\text{ Hz}$, $Q_e 1,388888889$ -to achieve exact F_{re} and Q_e for this box, the optimal port Diameter is 2.408" and Length is 2.515" (calculated in excel). Use of a larger port cause rise of the Q_e/F_{re} . Using this port dimensions in other software (WinISD for example) show me the red numbers for this port: 0,41 mach in Vent, that means noise or Doppler distortion risk. Have I to consider this risk or is it something different for the Pi align approach? Thanks in advance, O'Tor
