
Subject: Re: Pi Aligned Afterburner & Port Calculation
Posted by [Observator](#) on Sat, 29 Sep 2001 18:02:48 GMT
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Thank you for the response....but my problem persist....> You used 2.4 as as cabinet volume but you should have used 2.4×1728 to convert it to cubic inches. You must use the same terms > throughout - If inches in one place then inches must be used > everywhere. You can use feet if you wish, but then the port > dimensions must be in feet for "Lc" and sq. feet for "Ap".I suppose I am wrong but I cannot find where :- (Question is : what is eqation $F_{re} = 1/2\pi \cdot \sqrt{A_p/V_e L_c}$ calculating?Using your values and formules from Pi white paper, $V_e = 2.45 \text{ cu ft} = 4242 \text{ cu in}$ then $D_p = 2.5" \Rightarrow A_p = 4.9 \text{ sq in}$ $L_p = 2.75" \Rightarrow L_c = 4.872 \text{ in}$ $F_{re} = 1/6.28 \cdot \sqrt{(4.9/(4242 \cdot 4.872))} = 0.00245 \text{ Hz} :-(((Thanks in advance,O'Tor$