
Subject: PiAlign'ed Electro-Voice SP12

Posted by [Wayne Parham](#) on Sat, 13 Sep 2003 10:59:32 GMT

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I entered the values into PiAlign, using data from the table at your link. $V_{ad} = V_{as} = 167.1L = 5.9ft^3$
 $F_{rd} = F_s = 45Hz$
 $Q_d = 1/Q_{ts} = 1/0.67 = 1.5$
PiAlign recommends a 4ft³ cabinet tuned to 25Hz using a 2" diameter port that's 1.5" long. Response is nice, with a gentle 2dB lift from 70hz to 200Hz and -3dB point of 50Hz. Usable response down to 35Hz, at -10dB.
