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Subject: Cabbng some Eminence Beta 15s  
Posted by [JCDC](#) on Sat, 28 Aug 2010 01:34:22 GMT  
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Hey All,

I was using B15s for open baffle but now I want to throw them in cabs.  
PiAlign comes with many files for the B15: B15, B15 in a pi system and B15 in Boxplot.

The up-to-date specs are:

Vad=11.8  
Qd=1.72  
Frd=35

Very close to the original:

Vad=11.3  
Qd=1.8  
Frd=36

PiAlign suggests:  
Vol 6.9 cuft, Fr 22.5 and Q .97 (new specs)  
Vol 6.3 cuft, Fr 24.3 and Q 1 (old specs)

Going with the new specs yields an aesthetically pleasing 2 x 3 x 1 1/3 ft, 7 cuft cab.  
Boxplot shows a 2dB hump centered at 78Hz and an F3 of 44, an F10 of 28 and an F20 of 15.  
Not bad!

But that is a pretty big cab! Could I get away with a 5 cuft or even the 2.5 of a 4 pi?

In a 5 cuft cab with the same tuning, Boxplot shows a 2.5dB hump centered at 82Hz and an F3 of 48, an F10 of 33 and an F20 of 17.

The 2.5 cuft doesn't look good, with a 4dB hump centered at 97Hz and an F3 of 60, an F10 of 43 and an F20 of 25.

What I don't know about is how this affects impulse response?

What do you think? The 2.5 looks right out ... but how about the 5?

Thanks,  
Jeff

PS PiAlign doesn't update the Encl Fr when I change port dimensions?

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