
Subject: Re: Definimax 4012HO - End of Life
Posted by [Symphonimind](#) on Wed, 06 May 2020 03:58:04 GMT
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Hi mr. Wayne,

I also purchased MJK's MathCAD sheets. I will try to model the cab to find the way to optimize mid leakage.

In my customed cabinet for 3Pi, I totally forgot to implement the stuffing at the mid height of the cab.

After trying 12PLB100 on 3Pi, I cant wait to see a new Woofer option from B&C with 4Pi beside JBL. For B&C, I can quite easily find in my area at the moment. However, JBL driver and especially 2226H is really hard to source locally. And I am not fond of Omega drivers from Eminence. I think that driver line is not really good. For 15inch midbass, Kappalite 3015 is better as a lower priced option, IMO.

The Delta Pro 12A is also great mid priced option. But as our measurement, the crossover needs small modification to match SPL between Delta and CD. In the test box with Delta Pro 12A, I used PSd2013 which has similar sensitivity to BC DE250.

Yesterday, we tested Celestion CDX 1745. It is truely a poorman's DE250. The power compression from 90-98dB/1m is non-existence. THD is really low for 98dB SPL/1m. I did a quick test with LF shelf and 1.2K XO LR4, it came out really good.

The unit to unit variation is really low, at B&C level.
I share with you some of our data so you can consider it. :d

CDX 1745 + H290c/QSC152

Frequency response with H290C and QSC152, unit to unit variation

THD - I forgot that which SPL I measured in this graph, but I am sure that It is around 90-95dB / 1m.

Power Compression test + Test crossover

CDX 1745 THD with XO 1.2K LR4

File Attachments

1) [CDX 1745 Power Compression.jpg](#), downloaded 756 times

- 2) [CDX1745 THD.jpg](#), downloaded 877 times
 - 3) [CDX1745 THD+XO 1.2K LR4.jpg](#), downloaded 855 times
 - 4) [CDX1745.jpg](#), downloaded 877 times
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