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Subject: Deltalite 15

Posted by [Andy.G](#) on Fri, 21 Nov 2003 22:48:44 GMT

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Has anyone managed to model this driver into a reasonable size vented cabinet? TIA AG

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Subject: Define 'reasonable'!

Posted by [mollecon](#) on Sat, 22 Nov 2003 00:45:08 GMT

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This driver does seem to require big boxes, at least if you go for optimum alignments. Linear Teams online calculator says >650 liters (~23.2 cu.ft.) for a vented box tuned at 31.6Hz - in return one gets a -3dB point at ~28Hz. A 200 (7.14 cu.ft.) liter box tuned to the same frequency will give -3dB just below 50Hz - the 'cost' of the smaller box will be that the frequency curve rises above unity at around 90Hz, indicating some ringing & poorer transient response. Even an optimum alignment closed box (which you say you don't consider) will be over 300 liters (>11 cu.ft.) with a -3dB point at ~57Hz. The most experienced here regarding various tunings/sizes of boxes with regards to driver characteristics is probably Wayne - hope he chimes in.

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Subject: Looks like the ferrite version

Posted by [Wayne Parham](#) on Sat, 22 Nov 2003 03:56:27 GMT

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From the descriptions of the various box sizes given and their characteristics with this driver - It sounds very much like the ferrite version of the Delta 15. Makes sense to me.

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Subject: Yes Wayne...

Posted by [mollecon](#) on Sat, 22 Nov 2003 10:13:57 GMT

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The Deltalite 15 & Delta 15 have many parameters very close to each other - really seem like basically the same driver just with different magnet types.

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