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

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 optium 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 optium 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.

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.

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.