
Subject: Re: Eminence Beta12LTa -- best cabinet?

Posted by [Wayne Parham](#) on Fri, 09 Sep 2005 07:20:24 GMT

[View Forum Message](#) <> [Reply to Message](#)

You could do sealed, sure. The Beta 12LT works very well in a sealed box. But it provides deeper bass extension in a vented box of the same size. Compared with sealed cabinets, vented boxes reduce excursion between fb and fh, which is a large portion of the bass range. Excursion only increases below fl. See the posts called "Port vs Sealed" and "Resonance".

Sealed alignments	Cabinet size	f3	f10	peaking (100Hz -	200Hz)	1.5ft3	70Hz		
50Hz	+2dB	2.0ft3	70Hz	45Hz	+1dB	3.0ft3	65Hz	40Hz	4.5ft3
65Hz	37Hz	6.5ft3	65Hz	35Hz	9.5ft3	65Hz	33Hz	Vented alignments	
(Helmholtz frequency = 35Hz)									
Cabinet size	f3	f10	peaking (100Hz -	200Hz)	1.5ft3	70Hz			
47Hz	+2dB	2.0ft3	63Hz	40Hz	+2dB	3.0ft3	55Hz	35Hz	
+1.5dB	4.5ft3	45Hz	28Hz	+1dB	6.5ft3	38Hz	27Hz	9.5ft3	33Hz
27Hz									