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Subject: Bass Horn For Altec Driver

Posted by [mgzny](#) on Tue, 02 Sep 2003 21:33:15 GMT

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Hi Wayne et al: Any suggestions for a cabinet for a the Altec 414Z 12' woofer? I am planning to mate with Altec 802D compression driver. Appreciate anyone's help. Have not tracked down the TS specs yet. Thanks to all, Mark

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Posted by [Wayne Parham](#) on Wed, 03 Sep 2003 01:04:54 GMT

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I don't have any direct experience with the Altec 414, but there are several here that have used this and other Altec midwoofers. Seems to me that they are usually used in a rather large bass-reflex cabinet, many of which include truncated (midrange) horns. I'm sure you're aware of that configuration - It's one of Altec's most popular, with the driver installed in a front-loaded small horn and with the back chamber being a large bass-reflex cabinet. I've also known many that used them in two-way speakers with a simple (non-horn loaded) bass-reflex design for the midwoofer and a large-format HF horn for the vocal overtone range up. Seems like PiAlign recommended something like 9 cubic feet tuned to 30Hz or so, but I may be thinking about Altec 416's.

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Subject: Altec Driver T/S Parameters

Posted by [wunhuanglo](#) on Wed, 03 Sep 2003 05:21:19 GMT

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<http://www.greatplainsaudio.com/Thiele-Small.html>

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Subject: Re: Altec Driver T/S Parameters

Posted by [mgzny](#) on Wed, 03 Sep 2003 14:21:28 GMT

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Thanks for the info. Had tried Great Plains, no specs for 414Z though. Going to keep looking and asking. Regards, Mark

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Posted by [mgzny](#) on Wed, 03 Sep 2003 14:26:48 GMT

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Thanks Wayne: Looking through the Altec posts, saw mention of someone using the 515 driver in a pi cabinet, saw same on BD-design forum. Any chance the 6pi would work with the 414Z? I know I have to track down the TS #s. Thanks again, Mark

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Subject: Re: 414Z=414A without a magnet cover (nt)

Posted by [tubefever](#) on Thu, 04 Sep 2003 03:49:14 GMT

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Posted by [Wayne Parham](#) on Thu, 04 Sep 2003 05:26:21 GMT

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You're right - You'll need to know the woofer parameters and then calculate cabinet dimensions parts that are suited for this sort of design.