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Subject: Re: Best value for tweeters for La apps? Maybe... horn loading?

Posted by [Marlboro](#) on Thu, 05 Jun 2008 14:22:15 GMT

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I've used the ND20FA's in a configuration of 30 per side. Since my system is tri-amped with an analog electronic crossover, I've listened to them as low as 2000hz cross. I didn't like the sound at all. You can't go lower than the FS of 1700, and you don't want to go lower than 2300hz even in groups of 30. Additionally you have to use the "A" model not the "B" model since you won't get the proper c-to-c distance without cutting the flange almost to the start of the fabric dome itself. If you cross at 2500hz, and you cut the flanges then you can put off comb filter distortion to around an inaudible 15,000 hz. But if you use the 3/4 inch domes, then you have to use a three way system, and you can't use a mid range with a c-to-c exceeding about 5.25 inches. Personally, I prefer the dome sound to the alternatives. However, you have to be much more careful in your design if you use them, and you will have to add a large woofer to each side to cover the bass since the small speakers you might use for mid-ranges will not go low enough. See the pictures of my system below. Other people may have other solutions. Marlboro  
Marlboro's Calipso Speaker system

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