

---

Subject: NEO3 treble in a LS?

Posted by [mediafreak](#) on Tue, 29 Apr 2008 15:43:23 GMT

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

---

Thanks for a great LS forum. I am going to build LS speakers with closed cabinets – I am not a fan of ported cabinets. I have a DENON A11-XVA amplifier and a Velodyne sub (closed cabinet) Crossover 60-80Hz. I might need to buy an extra sub because of the high crossover. As far as I know the bass speakers are not so important as the trebles. I bought 2x9 Vifa / Tympany PL14W J09-04 (4ohm. – 5½”) and want the crossover around 1-1,2 KHz. with a 4/4 order filter. The LS bass will be in a 3L closed cabinet. The bass units are 1,5 meter tall, so because of the low crossover the treble need to be around the same length. The bass sensitivity is theoretically 95db so I need a Treble sensitivity between 95 and 100 db. I am looking at the NEO3 (not the PDR version) in a sealed cabinet with a distance of 1” to the rear closure. 2x16 units so the speaker will be at 3,5-4 ohm. The Neo has 10W RMS and 20W program (160/320W) I have 3 questions for the forum: 1: Could the 16 NEO3's be used with a crossover between 1-1,2KHz? 2: How is the sound of the non-PDR by less than +/- 30deg. horizontal off-axis compared to the PDR version? (Normally the PDR version is used). 3: the official price for the NEO's is around 40\$ each, does anyone know the price for roughly 40 units? Mediafreak