
Subject: Ciare ND 12.3 with modified Pi mid horn?

Posted by [Norris Wilson](#) on Wed, 25 Mar 2009 17:39:16 GMT

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What would be the possibility of successfully using the Ciare ND 12.3 midwoofer with a slightly modified Pi mid horn to achieve a bottom rolloff starting around 200Hz? And rolling them off up top around where the JBL 2226 is in the Four Pi at 1.3kHz? Thanks for any input regarding this possibility, and Wayne for the Ciare

measurements. Norris-----Ciare ND 12.3
measurements as follows: RE = 6.1971 ohms FS = 56.9656 Hz QES = 0.2183 QMS = 10.0352 QTS
= 0.2137 ZMAX = 291.0796 ohms LE = 1.1372 mH VAS = 58.9754 LDiam = 261.9375 mm Sd =
53887.1512 BL = 23.5536 Cms = 142.9669 um/NKms = 6994.625 N/m Mms = 54.5984 g Sens =
98.7321 db@1W/1m Eff = 4.6925 % Rms = 1.9474 ohms

Subject: Re: Ciare ND 12.3 with modified Pi mid horn?

Posted by [Wayne Parham](#) on Wed, 25 Mar 2009 19:18:38 GMT

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If you get the driver, we can measure it on the horn. The bottom end can be modeled with Hornresp, but the upper end is largely determined by the way the cone behaves at HF. This cannot be simulated with a piston model, so we'll need measurements to see how it acts.
