Subject: Selenium 12co1P for center and rears to match my 7 PI's
Posted by Brian Jefferys on Mon, 29 Nov 2004 15:38:59 GMT
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I would like to use these motors in my new project for a center and rear channels to match my Selenium 7 Pi's. Any thoughs on which cabinet design to choose. I am a little constrained on size for the center channel as I have a screen hung above my fireplace for my projector. I have about 13" from the top of my screen to the ceiling. I can place it in front of the fireplace on the floor though. It would be centered between 2 2226h's in cabinets to get the lowest possible Hz.I also would like to know if anyone is using false corners with the 7 Pi's. The way the room is laid out no longer give me 3 Ft. on either side of my horns.Brian

Subject: Re: Selenium 12co1P for center and rears to match my 7 PI's
Posted by Wayne Parham on Mon, 29 Nov 2004 15:45:42 GMT
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What's the T/S specs on those Seleniums?

Subject: Re: Selenium 12co1P for center and rears to match my 7 PI's
Posted by Brian Jefferys on Mon, 29 Nov 2004 16:21:43 GMT
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Cut and paste from the Selenium spec sheet.SPECIFICATIONSTHIELE-SMALL PARAMETERS (WOOFER)Nominal diameter . 305 (12) mm(in)Nominal Impedance. 8Minimumimpedance @ 236 Hz. 6.9Power handlingMusical Program. 500 WSensitivity (1W/1m) averaged from 100 to 10,000 Hz. 94 dB SPLFrequency response @ -10 dB. 55 to 18,000 HzFs. 47 HzVas. 93 (3.28) l (ft)Qts. 0.46Qes. 0.52Qms. 4.49o (half space). 1.79 %Sd. 0.0510 (79.1) m (in)Vd (Sd x Xmax). 63.75 (3.89) cm (in)L. 12.8 TmRe. 6.3Le @ Fs (voice coil inductance @ Fs). 2.287 mHLe @ 1 kHz (voice coil inductance @ 1 kHz). 0.863 mHLe @ 20 kHz (voice coil inductance@20 kHz). 0.334 mHRed @ Fs. 0.16Red @ 1 kHz. 2.26Red @ 20 kHz. 30.03Krm. 1.191 mKxm. 13.833 mHErm. 0.863Exm. 0.683Xmax (max. excursion (peak) with 10%distortion). 3.0 (0.12) mm(in)Xlim(max.excursion (peak) before physical damage). 9.5 (0.37) mm(in)Brian

Subject: Re: Selenium 12co1P for center and rears to match my 7 PI's
Posted by Wayne Parham on Mon, 29 Nov 2004 17:15:13 GMT
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That speaker looks really good in bass-reflex cabinets from 0.4ft3 to 1.6ft3 tuned to 40Hz. PiAlign suggests 0.5ft3 tuned to 38Hz with a 1" long port, 0.75" diameter or 0.5" x 0.875" rectangular.Looks like it will make a great little speaker.