Subject: fanning air vs. imparting a compression wave
Posted by Sam P. on Fri, 05 Apr 2002 16:05:24 GMT
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is why they sound like "huffing" way low. Air is wooshing around, but not being "excited"...it is moving instead of carrying the sound. As you said, just watch it with the sine waves. Even the jbl4648a-8 will "chuff" at resonance (40Hz) with only 2.83 vRMS/1 watt input. Each woofer is only being driven by 1/2 watt! SPL was only 86dB, but glass knickknacks were hopping up and down across the room. At their rated power input of 1200 watts, those voice coils would be embedded in the wall 22. ft. away!!! Trying to actively filter the LF below 20Hz. is not an issue with music in a home setting. If your preamp has a passive filter, and it does not impair the sonics, use it. For instance, my low filter cuts -5dB@20Hz, 6dB/octave. Helps when playing vinyl to reduce subsonic crap too. Supposed to be unobtrusive, I usually hear no difference, but leave it "off" except w/ warped vinyl...woofer cones would slowly move in and out...goes away w/ the 20Hz. filter engaged. Sam