
Subject: Re: This is a perfect motor for Scott's application
Posted by [Wayne Parham](#) on Thu, 27 Jun 2002 00:19:40 GMT
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Distortion in the resonance region between f_b and f_h would be less, because cone movement is reduced in this region. That will help between 50Hz and 100Hz. If desired, one can further reduce distortion by removing any chance of delivering information below the system resonant frequency. Since the speaker system unloads below f_l , there is no output generated and so there's really no point sending it any input. So a high pass filter can be employed set to f_l to further reduce distortion. But the direct answer to your question is that - Yes - a bass reflex speaker generates less distortion than a comparable sealed box because excursion is lower.
