Subject: Flux symmetry confirmation
Posted by Wayne Parham on Wed, 03 Mar 2004 22:52:03 GMT
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Eminence has confirmed that their motors without a flux stabilization ring do not offer the same level of AC flux symmetry as those that incorporate one. This is significant to harmonic distortion performance. But all of their motors have static physical symmetry with respect to the voice coil resting in the gap.In other words, the magnetic field surrounding the voice coil is uniform when the energy in the voice coil is not considered or not present. This design feature is important to quality, and should be considered an improvement over designs that fail to provide static physical symmetry. It cannot serve to reduce flux modulation and the asymmetry that results, but it does ensure that there is baseline symmetry. Models that also incorporate a flux stabilization ring should be considered to have improved symmetry, because there is compensation for flux modulation as well.