Subject: Re: Thiel-Small Parameter Search
Posted by GM on Sat, 03 Sep 2005 03:29:44 GMT
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Greets!These are car audio 'IB' sub drivers so OB, very large sealed, or aperiodic is best, with the latter yielding the highest SQ. It's specs are ideal for a 'classic' stuffed TQWT and going isobaric will keep the line's CSA reasonable, so 12" square (inside dims) should work fine and a ~93.63" pathlength will tune it to ~30 Hz if stuffed along its length with ~48 oz of R-19 fiberglass. The beauty of this design is that the specs can be off quite a bit and still perform well by adjusting the amount of stuffing.Catalog specs:Fs = 30 HzVas = 6.83 ft^3Qts = 1.04Pe (RMS/max) = 75/150 Wsens = 88dB/W/m (+/- 2 dB)nominal 8 ohmsGM