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Subject: Re: An amazing listening session with the H290C  
Posted by [Wayne Parham](#) on Tue, 23 Apr 2013 15:38:58 GMT  
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No, none. Well, a shorter device can be mounted in a smaller cabinet, so I suppose that might be useful in some cases. But qualitatively, no. There is no benefit in having a waveguide shorter

long, the horns must be compromised due to physical constraints. Tweeters should never be designed this way, because wavelengths are short enough that they can be made full size and not compromised.

In fact, JBL makes two versions of its Progressive Transition waveguides, one that is longer which they call "optimized" and another that is shorter, purely done so they can fit it into smaller cabinets.