Subject: Transformation
Posted by Wayne Parham on Fri, 31 Oct 2003 09:33:21 GMT
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Yes, there is more power transformed from electrical energy to acoustic energy in a 30-50% horn than in a 1-10% direct radiator. But then again, there is also a reduction of excursion, making the thermal management system - the cooling vents - less effective. So I'm not sure it is reasonable to expect a doubling of power handling from horn loading. I think it will definitely increase the mechanical limits, but am not sure the thermal limits are improved. In fact, I think in some cases, thermal limits may be reduced.