


**Precision Devices simulation PD 1550 sub in sealed 65 litre box. Ultra low power compression (thermal distortion). Low Mms / high BI = accurate detailed low end.**

**Using 500 watts (AES rated for 600 watts) with a Q of 0.5 the driver the driver easily holds 105dB continuous SPL at 25Hz.**

 AJ Sealed Designer 2.0

[www.ajdesigner.com](http://www.ajdesigner.com)

File Units Box Calculator Help

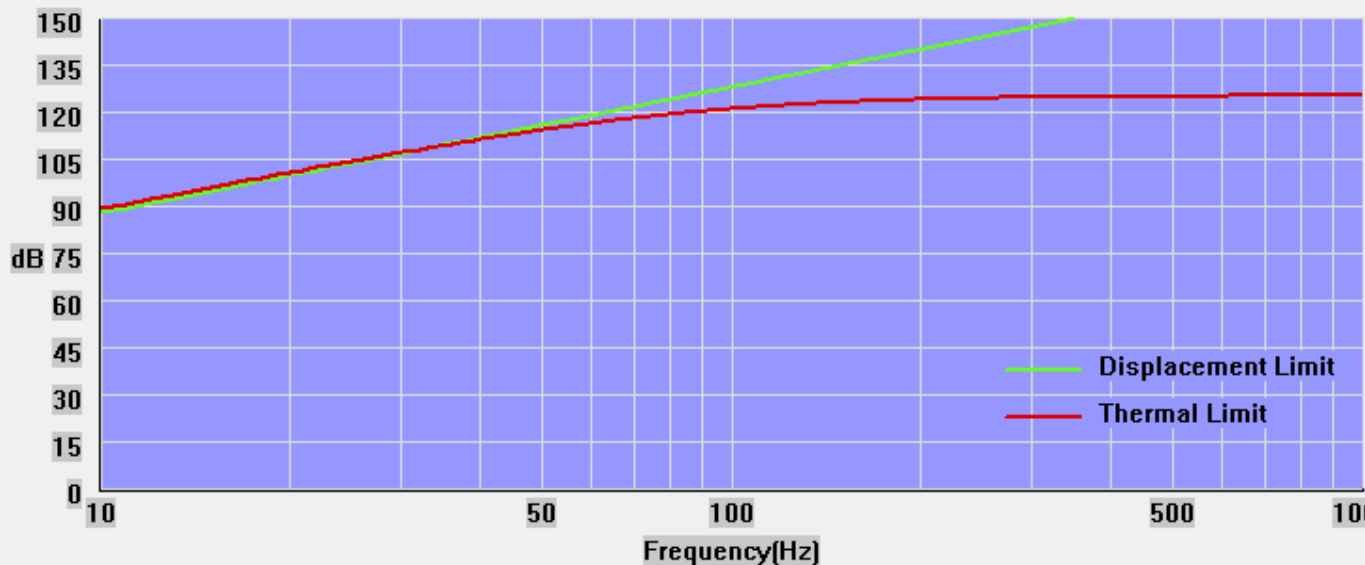
Speaker Parameters	
Qtc: <input type="text" value="0.5"/>	Vas: <input type="text" value="126"/> liters
Qts: <input type="text" value="0.29"/>	Pmax: <input type="text" value="500"/> watts
Qes: <input type="text" value="0.3"/>	Diameter: <input type="text" value="38"/> cm
Fs: <input type="text" value="46"/> Hz	Xmax: <input type="text" value="8.2"/> mm

Calculate
<a href="http://www.ajdesigner.com">www.ajdesigner.com</a>


- ☐ Output Response  
☒ Power Response

Box Results	
Vb: <input type="text" value="63.8734"/> liters	
Fb: <input type="text" value="79.3103"/> Hz	
F3: <input type="text" value="123.23"/> Hz	

**Power Response: Power vs. Frequency**



Using 100 watts the driver is only moving plus / minus 3.6mm (8.2mm Xmax) and holds 96dB continuous SPL at 25Hz, 105dB at 40Hz.

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File Units Box Calculator Help

Speaker Parameters		Calculate		Box Results	
Qtc: <input type="text" value="0.5"/>	Vas: <input type="text" value="126"/> liters	<input type="button" value="Calculate"/> <a href="http://www.ajdesigner.com">www.ajdesigner.com</a>		Vb: <input type="text" value="63.8734"/> liters	
Qts: <input type="text" value="0.29"/>	Pmax: <input type="text" value="100"/> watts			Fb: <input type="text" value="79.3103"/> Hz	
Qes: <input type="text" value="0.3"/>	Diameter: <input type="text" value="38"/> cm			F3: <input type="text" value="123.23"/> Hz	
Fs: <input type="text" value="46"/> Hz	Xmax: <input type="text" value="3.6"/> mm				
		<input type="checkbox"/> Output Response			
		<input checked="" type="checkbox"/> Power Response			

**Power Response: Power vs. Frequency**

