

Beyma MC 500 - Rated @ 500 watts AES continuous and 1,000 watt peaks with 8mm Xmax. Assuming Xover to subs at 80 Hz and using DSP/ Eq. To ensure the driver stays well within thermal and mechanical limits I sim with 50% max power and Xmax - In just 12 liters sealed (Q of 0.5) a single driver holds **110dB continuous SPL at 80Hz!**

AJ Sealed Designer 2.0 [www.ajdesigner.com](http://www.ajdesigner.com)

File Units Box Calculator Help

Speaker Parameters

Qtc: 0.5 Vas: 24 liters

Qts: 0.29 Pmax: 250 watts

Qes: 0.3 Diameter: 25 cm

Fs: 65 Hz Xmax: 4 mm

Calculate

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Output Response

Power Response

Box Results

Vb: 12.1664 liters

Fb: 112.069 Hz

F3: 174.13 Hz

### Power Response: Power vs. Frequency

Frequency (Hz)	Displacement Limit (dB)	Thermal Limit (dB)
10	75	75
50	105	105
100	115	110
500	145	120
1000	155	120

Legend: Displacement Limit (Green line), Thermal Limit (Red line)

