

## SPECIFICATIONS: N270

Voice Coil Diameter	25.4 mm (1 in)
Throat Diameter	25.4 mm (1 in)
Nominal Impedance	8 ohms 16 ohms
D.C. Resistance	5.7 ohms $\pm$ 5% at 20°C 8.2 ohms $\pm$ 5% at 20°C
Minimum Impedance	7.4 ohms at 6 kHz 9.8 ohms at 6 kHz
Power Handling Capacity	15 W AES above 2000 Hz <sup>4</sup> 30 W Continuous Program above 2000 Hz
Frequency Range	2000 Hz to 20 kHz
Reccomended Minimum Crossover Freq.	2000 Hz, 12 dB/octave slope minimum
Sensitivity	115 dB SPL, 1mW on plane wave tube <sup>1</sup> 108 dB SPL, 1W/1m on RCF H100 <sup>2</sup>
Nominal Efficiency	16% (from 1 kHz to 2.5 kHz) <sup>3</sup>
Diaphragm	0.075 mm (0.003 in) mylar
Suspension	0.075 mm (0.003 in) mylar
Voice Coil	Edgewound aluminum ribbon
Magnet	Ceramic
Flux Density	1.5 T (15000 Gauss)
Bl factor	3.1 N/A (8 ohms) 3.6 N/A (16 iohms)
Polarity	A positive voltage applied to the positive terminal (larger one), produces a positive acoustic pressure in the throat

### MOUNTING INFORMATIONS:

Overall Diameter	85 mm
Depth	44 mm
Net Weight	720 g
Shipping Weight	770 g
Mounting	2 M5 holes 180° on 76.2 mm (3 in)

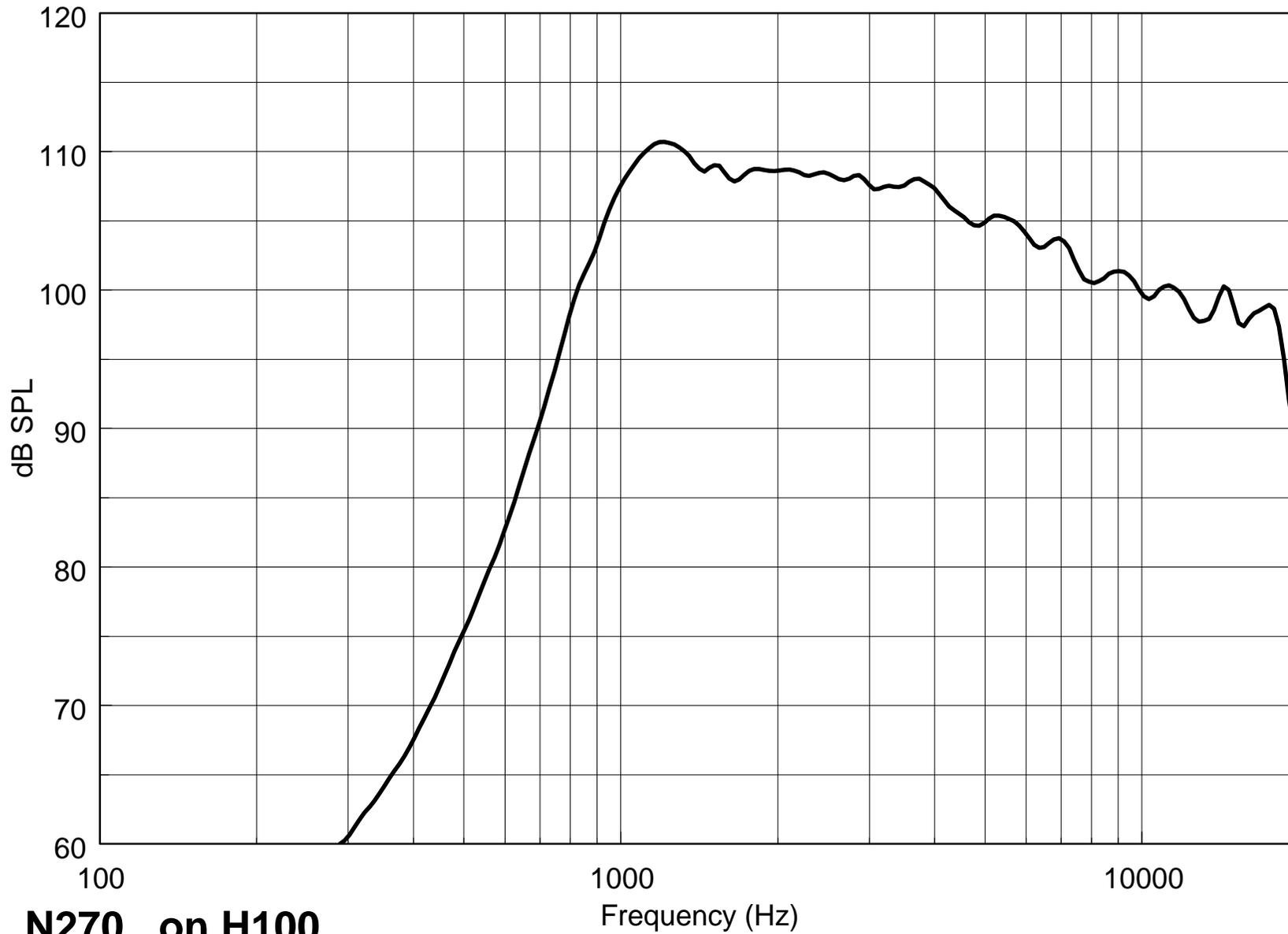
<sup>1</sup> Sensitivity is mesured on 1 inch plane wave tube with 1mW into DC resistance and rappresents an average from 1 kHz to 2.5 kHz (115 dB with 1mW into nominal impedance)

<sup>2</sup> Sensitivity is mesured on axis at 1 meter distance with 1W into nominal impedance (2.83 V rms at 8 ohms, 4 V rms at 16 ohms) and rappresents an average from 2 KHz to 4 KHz

<sup>3</sup> Nominal efficiency is refered to a nominal impedance not to DC resistance

<sup>4</sup> AES power handling test is make with pink noise signal from 2 kHz (12 dB/octave slope) to 20 kHz with H100 RCF horn. Power is refered to a minimum impedance.

Response 1W/1m

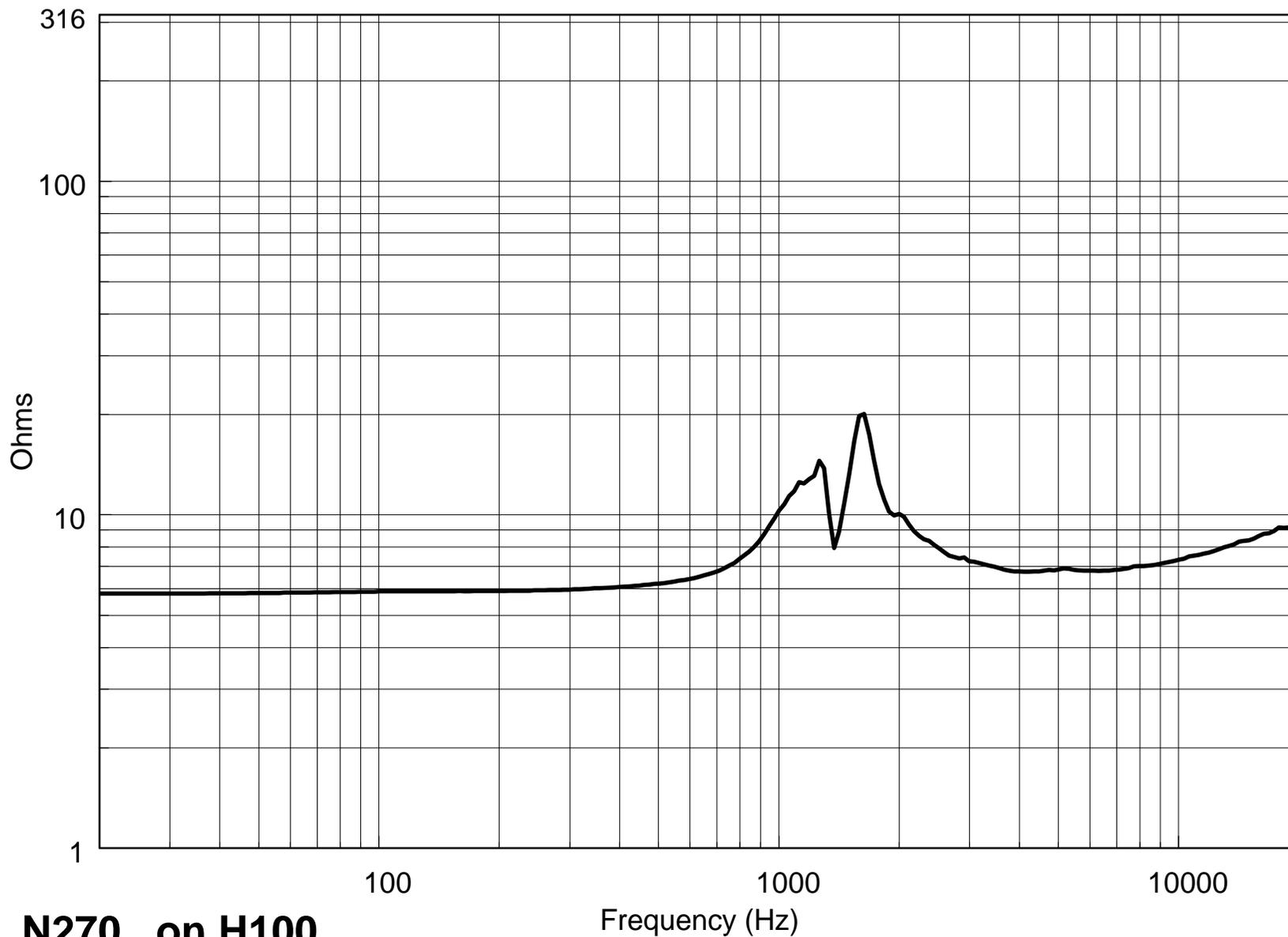


**N270 on H100**



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# Impedance

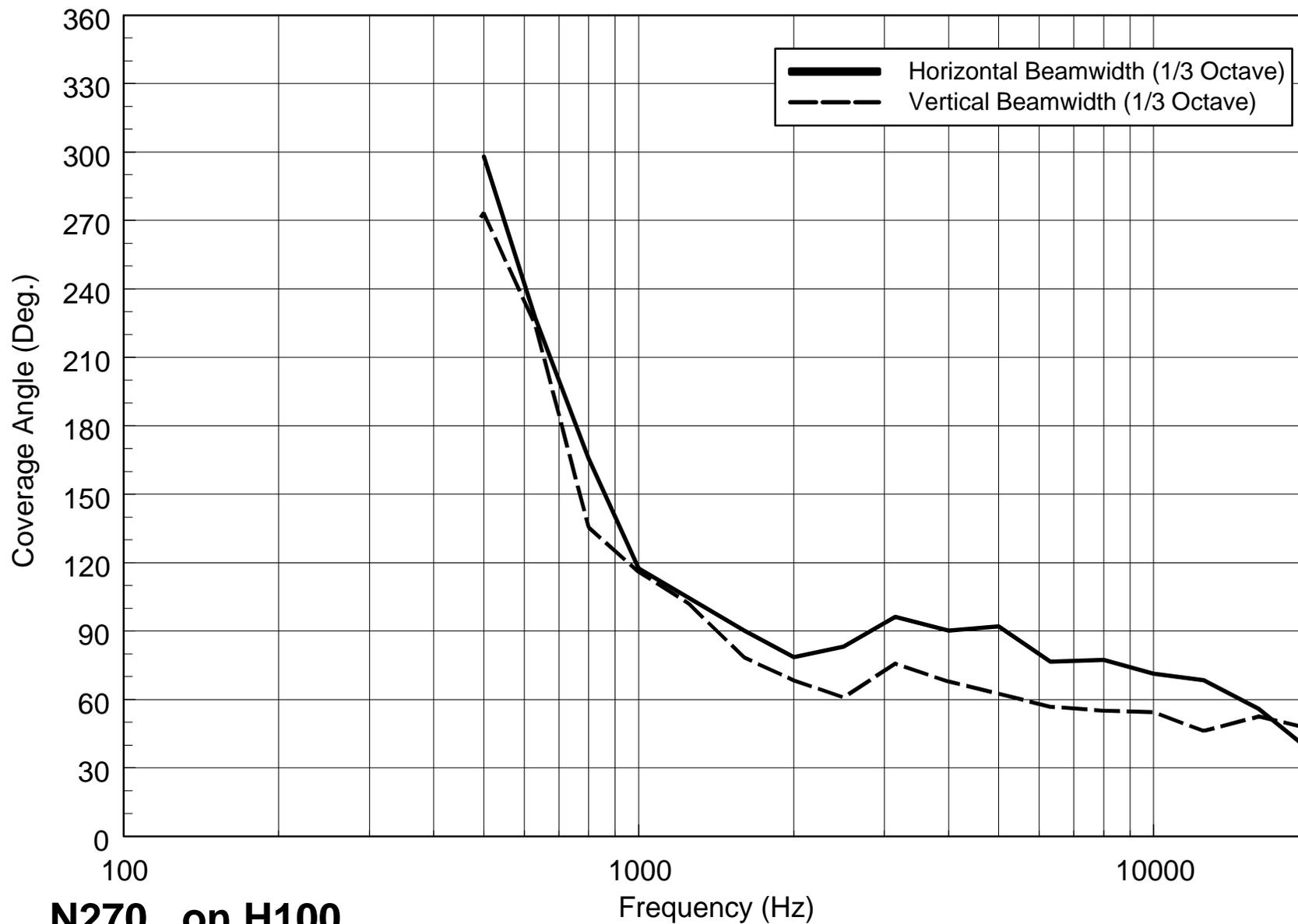


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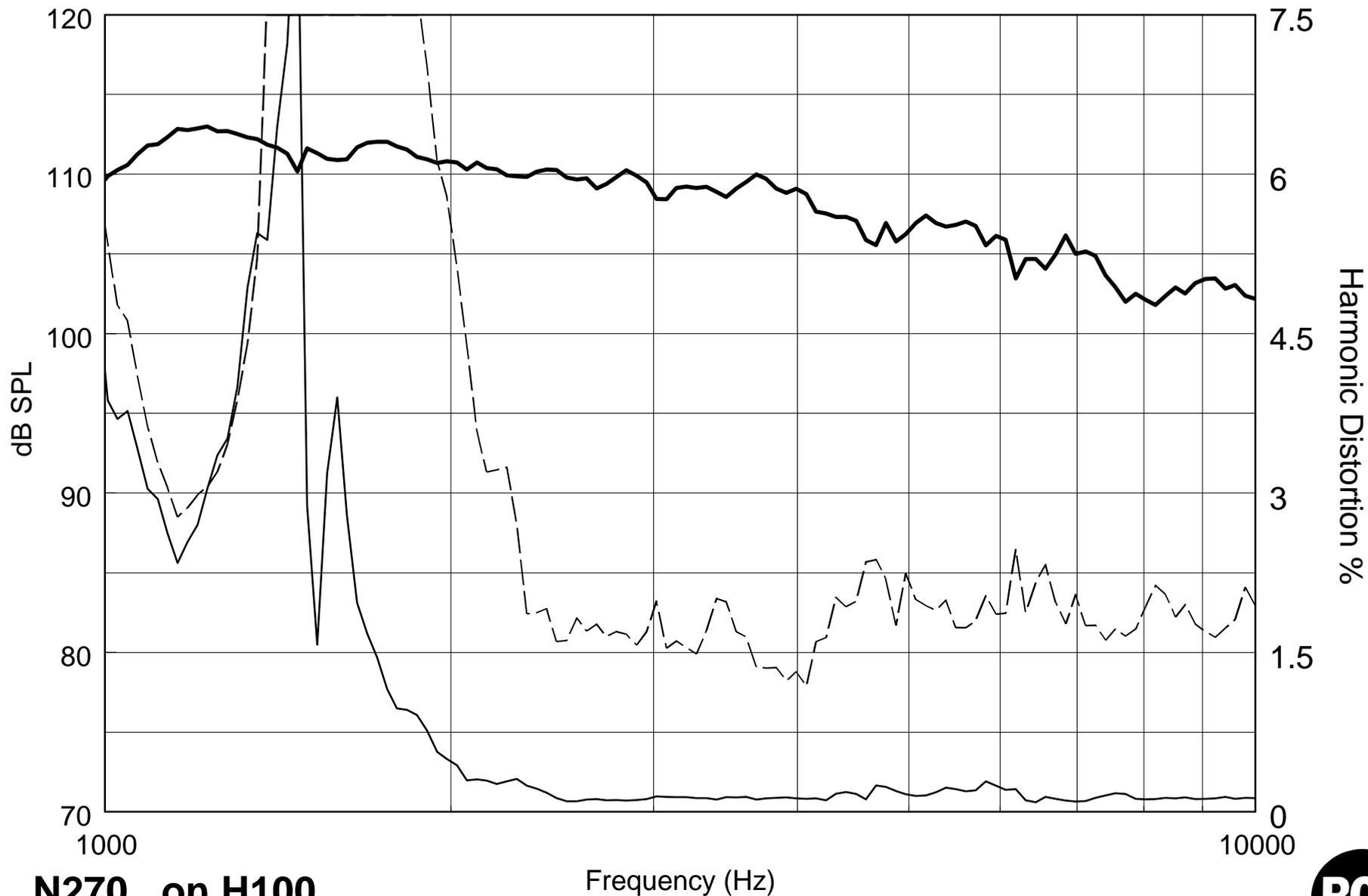
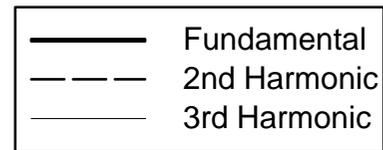
Beamwidth vs. Frequency



**N270 on H100**



On axis response with horn + Distortion at 1.5 Watt



**N270 on H100**

Frequency (Hz)



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