

AMT100H

Neo Air Motion Transformer



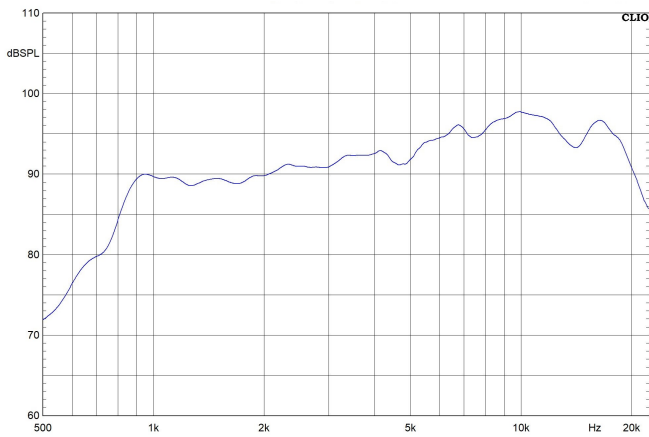
General specifications

Rated Impedance	8Ω
DC Resistance	7.9 Ω
Minimum Impedance	7.9 Ω
Continuous Power ⁽¹⁾	25 W above 1,2 kHz
Maximum Program Power	50 W above 1,2 kHz
Sensitivity ⁽²⁾	93 dB
Resonance Frequency	950 Hz
Frequency Range (-10dB)	800 ÷ 20000 Hz
Recomm. X-over Frequency	1200 Hz (24 dB/Oct High-Pass Filter)
Diaphragm Material	Polyimide
Voice coil winding material	Aluminum
Magnet Material	Neodymium
Effective Piston Area	65 cm ²
Flux Density	0.5 T

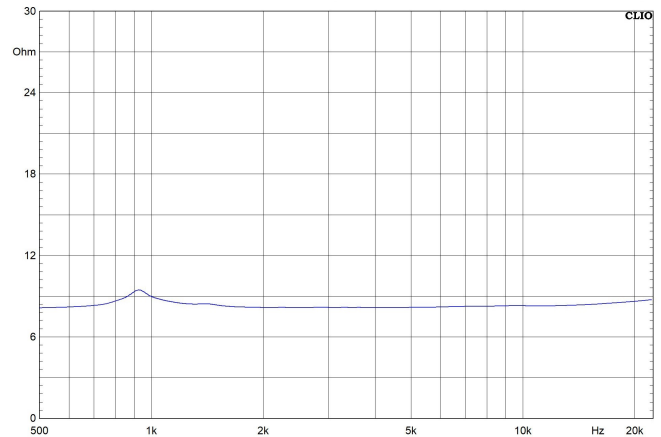
Technologies

Neodymium Magnet, Edgewound CCAW Voice Coil

SPL

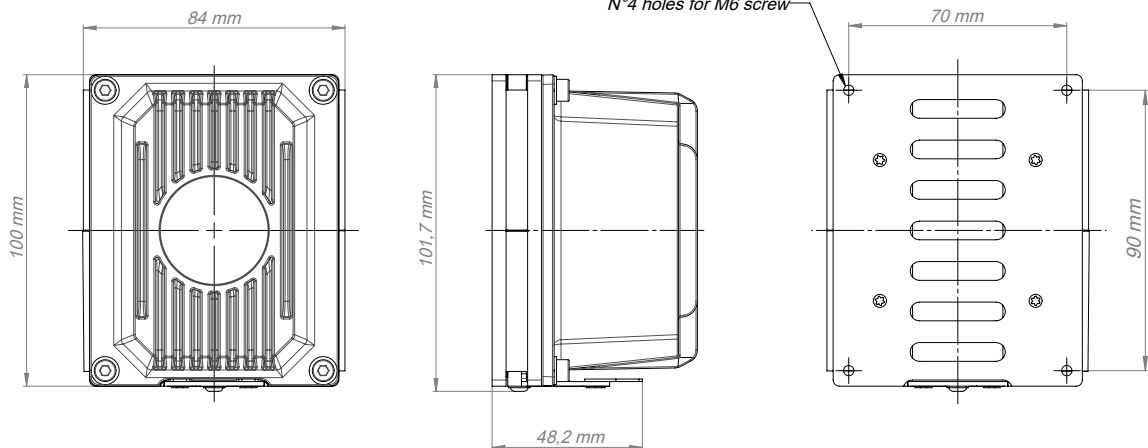
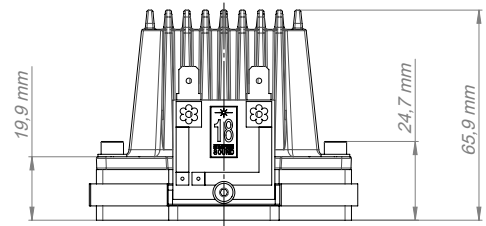


Z



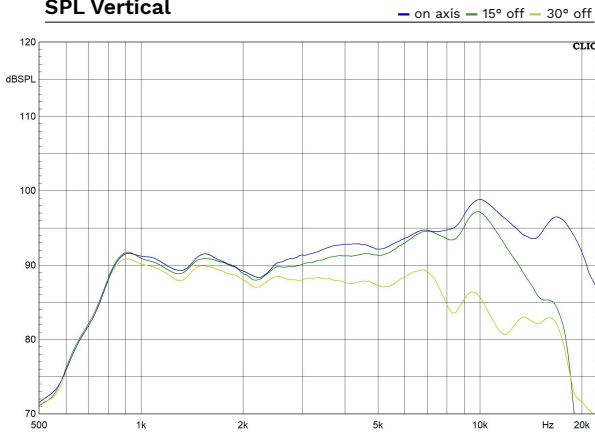
Mounting information

Overall dimension	80x100 mm (3.15x3.94 in)
Mounting Holes	4x4xM4 holes @ 70X90 mm (2.75x3.54 in)
Bolt circle geometry	70X90 mm (2.75x3.54 in)
Total depth	65.5 mm (2,6 in)
Net weight	0.835 kg (1.84 lb)
Shipping weight	1.2 kg (2.65 lb)
Packaging dimensions	120x110x70 mm (4.72x4.33x2.76 in)

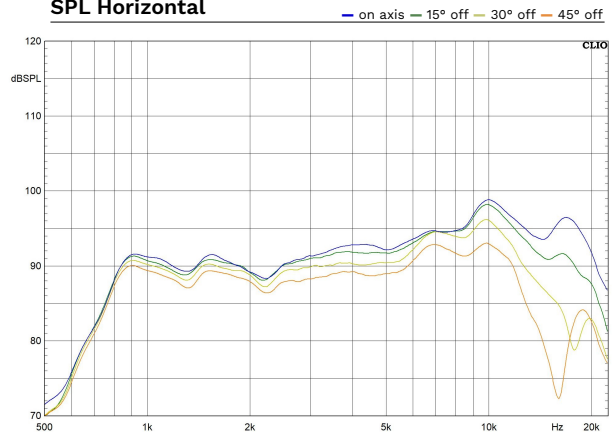


⁽¹⁾Continuous Power is defined as a level that is 3dB greater than the one measured with the new AES2-2012 standard, using continuous pink noise with 12dB crest factor for 2h, mounted on free air horn
⁽²⁾Sensitivity represents the average of acoustic output as measured on axis in free air, at a 1m distance from front flange, with a 2,83 V_{rms} sine wave input swept between 1000-4000 Hz

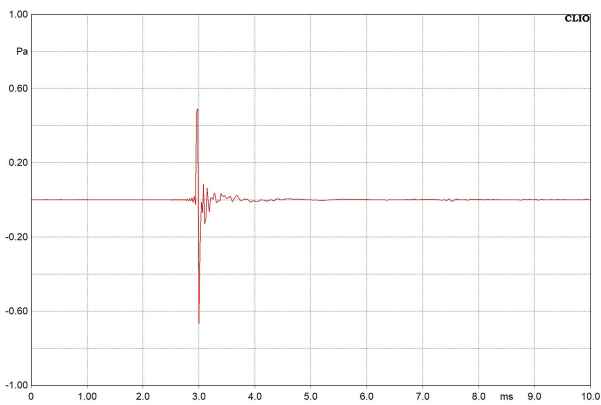
SPL Vertical



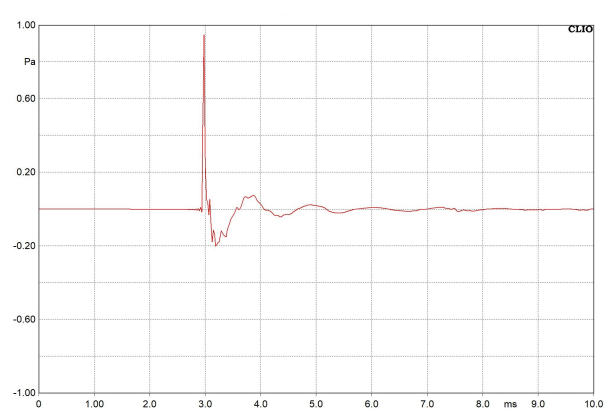
SPL Horizontal



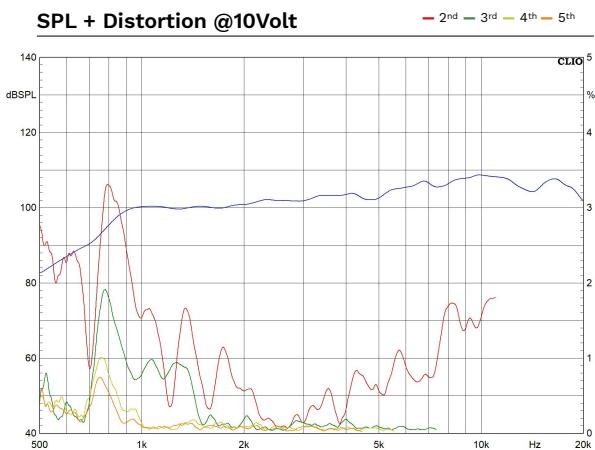
Impulse Response @1mt



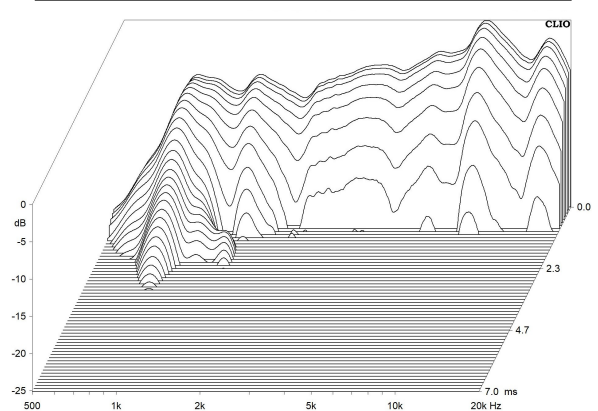
Step Response @1mt



SPL + Distortion @10Volt



Waterfall



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