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PROFESSIONAL LOUDSPEAKERS
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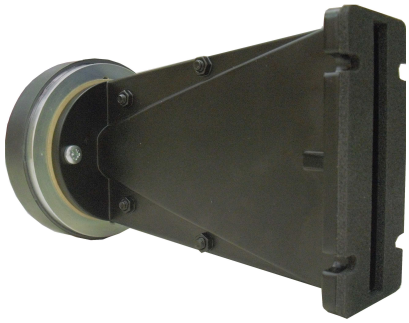
WL-4/Fe
LINE ARRAY DRIVER

KEY FEATURES

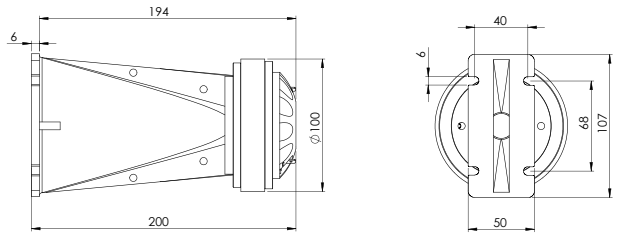
- 1,75” (44,4 mm) edgewound aluminium ribbon voice coil
- Improved moving assembly mechanical coupling for excellent power handling capabilities
- PM-4 polymer diaphragm
- 70 W_{AES} power above 1,2 kHz
- 140 W program power above 1,2 kHz
- 104 dB, 1W @ 1 m sensitivity coupled to 90º x 5º horn
- Excellent for line array applications (weight 1,8 kg)
- Ferrite magnet



TECHNICAL SPECIFICATIONS

Throat diameter	20,5 mm	0,8 in
Rated impedance		8 Ω
Minimum impedance		4,71 Ω @ 3,4 kHz
D.C. resistance		4,3 Ω
Power capacity*		70 W_{AES} above 1,2 kHz
Program power		140 W above 1,2 kHz
Sensitivity**		104 dB 1W @ 1m coupled to a 90º x 5º horn
Frequency range		0,7 - 20 kHz
Recommended crossover		1,2 kHz or higher (12 dB/oct min.)
Voice coil diameter	44,4 mm	1,75 in
Magnetic assembly weight	1,28 kg	2,82 lb
BI factor		6,6 N/A

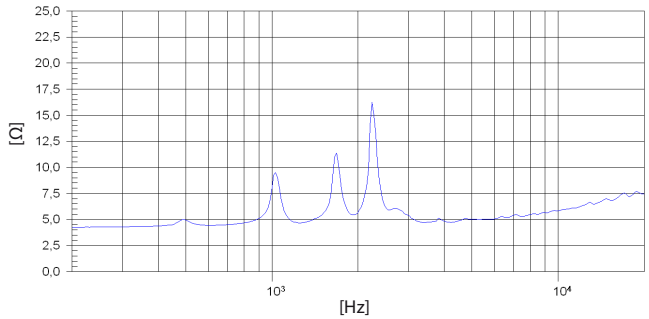
DIMENSION DRAWINGS



MOUNTING INFORMATION

Overall diameter	100 mm	3,94 in
Depth	200 mm	7,87 in
Mounting	Four 6 mm diameter holes	
Net weight (1 unit)	1,81 kg	4,00 lb
Shipping weight (2 units)	3,78 kg	8,34 lb

FREE AIR IMPEDANCE CURVE



Notes:

* The power capaticty is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer’s ability to handle normal music program material.

** Sensitivity was measured at 1m distance, on axis, with 2,83 V input, averaged in the range 2 - 7 kHz.

*** All angle measurements are from the axis, 45º means ± 45º.

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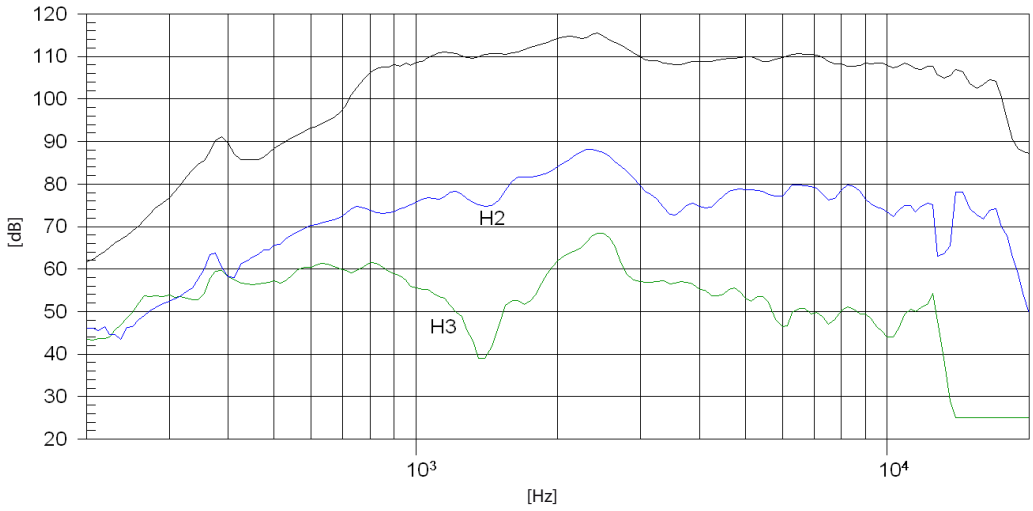
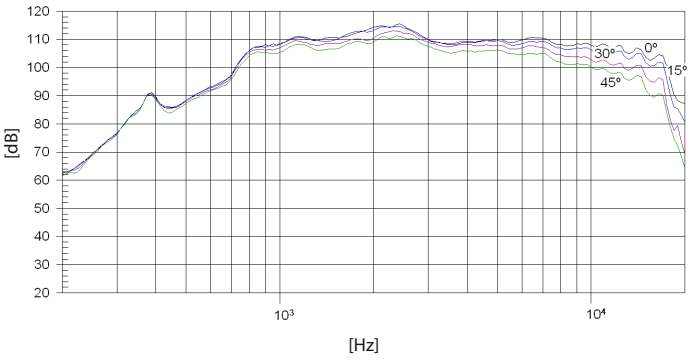
FREQUENCY RESPONSE AND DISTORTION



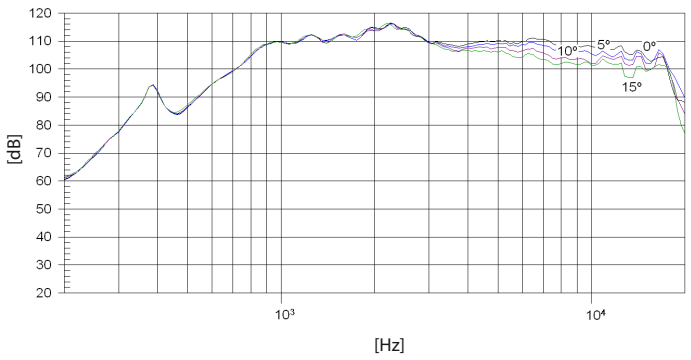
Note: On axis frequency response measured with two waveguides coupled to TD-WL4 horn in anechoic chamber, 1W @ 1m

HORIZONTAL DISPERSION***



Note: dispersion measured with two waveguides coupled to TD-WL4 horn in anechoic chamber, 1W @ 1m.

VERTICAL DISPERSION***



Note: dispersion measured with two waveguides coupled to TD-WL4 horn in anechoic chamber, 1W @ 1m.

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