

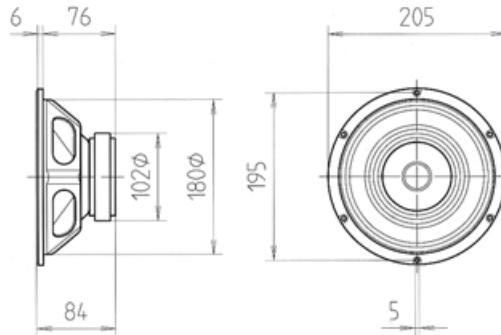
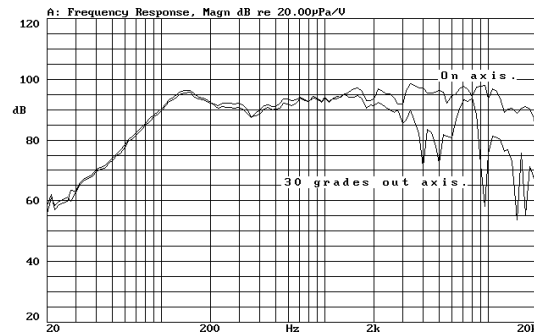


This 8" full range loudspeaker features a tweeter cone, lightweight cone-coil assembly and a copper ring on the pole piece to achieve good efficiency, low harmonic distortion and extended frequency response. This unit has been designed for use in small size enclosures or directly mounted on the RE-8 ceiling grill.

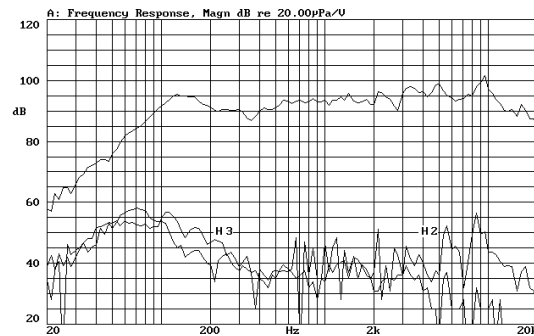
Modelo de 8" de amplia gama, diseñado para reproducir todo el espectro de frecuencia audible, con una respuesta lineal, baja distorsión y excelente sensibilidad. Utiliza un cono de agudos sujeto directamente a la bobina, y un casquillo de cobre sobre la pieza polar central para mantener constante la impedancia en alta frecuencia.



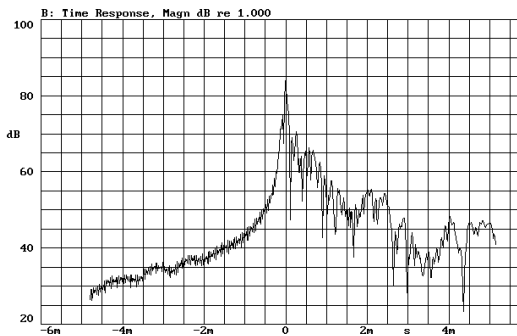
FREQUENCY RESPONSE MAGN. On axis, 1w @ 1m.
Response out axis



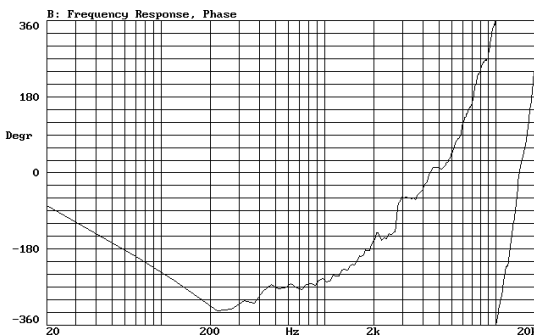
FREQUENCY RESPONSE & DISTORTION CURVES, MAGN. On axis, 1w @ 1m.



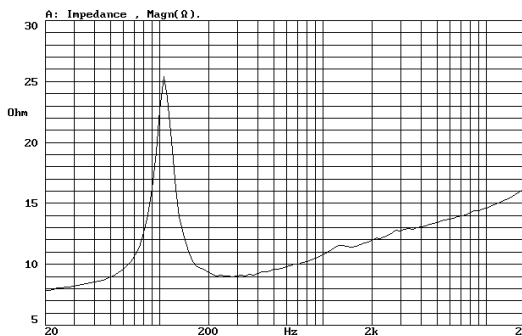
TIME RESPONSE, MAGN.



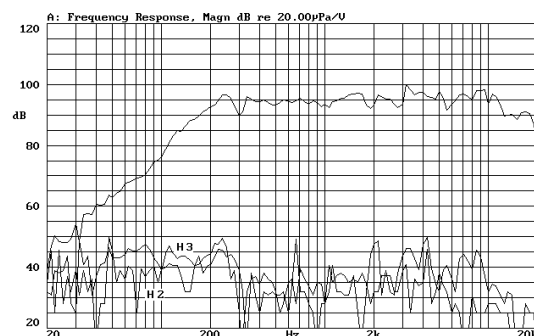
FREQUENCY RESPONSE, PHASE. On axis, 1w @ 1m.



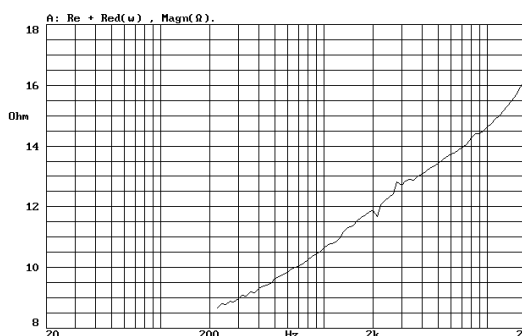
FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE & DISTORTION CURVES, MAGN. On axis, 1w @ 1m.
Measured with VM100 back cover



Re + Red(w) CURVE



SPECIFICATIONS

Nominal diameter	205 mm. 8 in.
Rated impedance	8 ohms.
Power capacity*	35 w RMS
Program Power	70 Watts.
Sensitivity	96 dB 2.83v @ 1m @ 2π
Frequency range	60-18000 Hz
Voice coil diameter	34.6 mm. 1.36 in.
Magnetic assembly weight	1.25 kg. 2.75 lb.
BL factor	6.4 N/A
Moving mass	0.0136 kg.
Voice coil length	10.5 mm.
Air gap height	6 mm.

MOUNTING INFORMATION

Overall diameter	205 mm. 8.07 in.
Bolt circle diameter	195 mm. 7.68 in.
Baffle cutout diameter:	
-Front mount	180 mm. 7.1 in.
-Rear mount	175 mm. 6.9 in.
Depth	83 mm. 3.14 in.
Volume displaced by driver	1 l 0.035 ft. ³
Net weight	1.5 kg. 3.3 lb.
Shipping weight	1.62 kg. 3.57 lb.

MATERIALS

Basket	Steel
Cone	Paper
Surround	Paper
Voice coil	Copper
Magnet	Ferrite

THIELE-SMALL PARAMETERS**

Resonant Frequency, fs	105 Hz
D.C. Voice Coil Resistance, Re	7.1 ohms.
Mechanical Quality Factor, Qms	4.13
Electrical Quality Factor, Qes	1.6
Total Quality Factor, Qts	1.15
Equivalent Air Volume to Cms, Vas	11 l
Mechanical Compliance, Cms	160.5 μm/N
Mechanical Resistance, Rms	2.23 kg/s
Efficiency, ηo (%)	0.82
Effective Surface Area, Sd(m ²)	0.022 m ²
Maximum Displacement, Xmax	2 mm.
Displacement Volume, Vd	44 cm. ³
Voice Coil Inductance, Le @ 1kHz	0.6 mH

NOTES

*The power capacity corresponds to the RMS maximum value that can dissipate the loudspeaker when a sinus signal is applied for a period of at least two hours.
Program power is defined as the transducer's ability to handle normal music program material.

** T-S parameters are measured after an exercise period using a preconditioning power test, using a velocity-current laser transducer, and will reflect the long term parameters, once the loudspeaker has been working for a short period of time.

NOTAS

*La potencia admisible corresponde a la máxima potencia RMS que puede disipar el altavoz durante al menos dos horas, cuando se le aplica una señal senoidal determinada.

Por potencia programa se entiende la capacidad del altavoz en el manejo de señales transitorias, como sería el proporcionado por el contenido de un pasaje musical normal.

** Los parámetros T-S han sido medidos después de un periodo de fatiga y estabilización de las suspensiones, mediante transductor laser de velocidad-corriente, y son el reflejo de los parámetros a largo plazo del altavoz, una vez éste haya sido instalado y haya trabajado en un corto espacio de tiempo.