

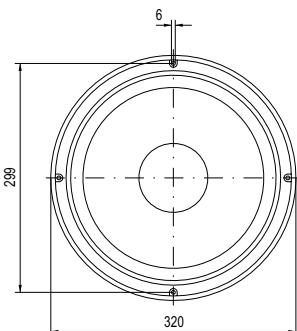
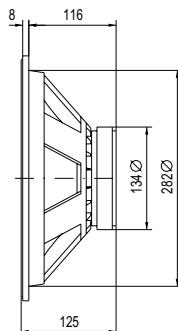
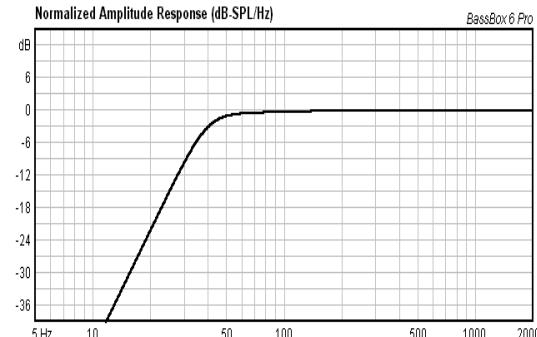
((12BR70)) LOW FREQUENCY



SPECIFICATIONS

Nominal diameter	300 mm - 12 in.
Rated impedance	8 ohms
Power capacity	125 w RMS
Program Power	250 w
Sensitivity	94.5 dB 2.83 v @ 1 m @ 2π
Frequency range	25 - 4000 Hz
Recom. enclosure vol.	50 - 120 l 1.77 - 4.24 ft. ³
Voice coil diameter	52 mm. 2 in.
Magnetic assembly weight	2.75 kg. 6.1 lb.
BL Factor	13.3 N/A
Moving mass	0.065 kg.
Voice coil length	19 mm.
Air gap height	7 mm.
X damage (peak to peak)	25 mm.

PREDICTED LOW FREQUENCY RESPONSE • Bass-reflex cabinet, V_b=90.00 l, f_b=38.0 Hz



MOUNTING INFORMATION

Overall diameter	320 mm. / 12.6 in.
Bolt circle diameter	299 mm. / 11.77 in.
Baffle cutout diameter	286 mm. / 11.26 in.
Front mount	280 mm. / 11.02 in.
Rear mount	125 mm. / 4.92 in.
Depth	4 l / 0.14 ft. ³
Volume displaced by driver	3.55 kg / 7.81 lb.
Net weight	4 kg / 8.81 lb.
Shipping weight	

MATERIALS

Basket	Die Cast aluminium
Cone	Paper
Surround	Rubber
Voice coil	Copper
Magnet	Ferrite

THIELE-SMALL PARAMETERS**

Resonant Frequency, f _s	35 Hz
D.C. Voice Coil Resistance, R _e	5.6 ohms.
Mechanical Quality Factor, Q _m	1.85
Electrical Quality Factor, Q _{es}	0.44
Total Quality Factor, Q _{ts}	0.36
Equivalent Air Volume to Cms, V _{as}	135 l
Mechanical Compliance, C _{ms}	330 μm/N
Mechanical Resistance, R _{ms}	7 kg/s
Efficiency, η (%)	1.2 %
Effective Surface Area, S _d (m ²)	0.054 m ²
Maximum Displacement, X _{max}	6 mm
Displacement Volume, V _d	340 cm ³
Voice Coil Inductance, L _e @ 1kHz	1 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.

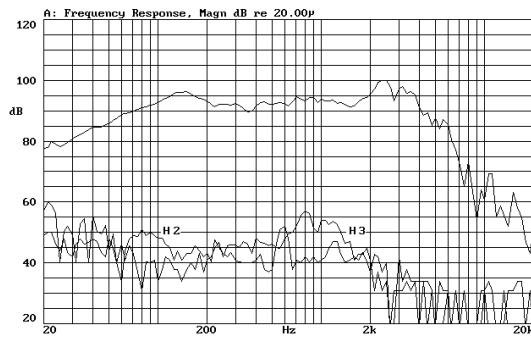
NOTAS

*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.

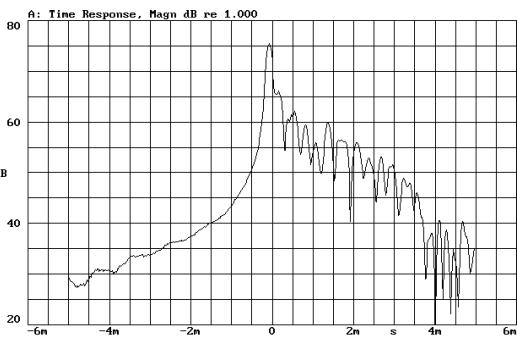
Por potencia programa se entiende la capacidad del altavoz en el manejo de señales transitorias, como sería la proporcionada por el contenido de un pasaje musical normal.

* Los parámetros T-S han sido medidas 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.

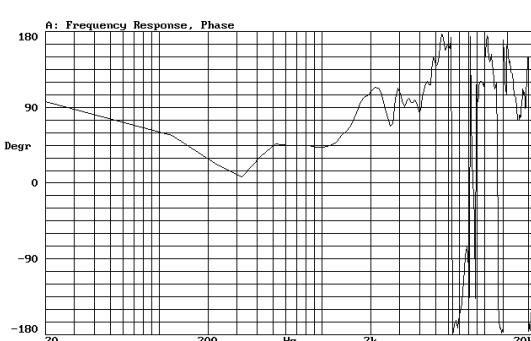
FREQUENCY RESPONSE & DISTORTION CURVES, MAGN. On axis, 1w @ 1m.



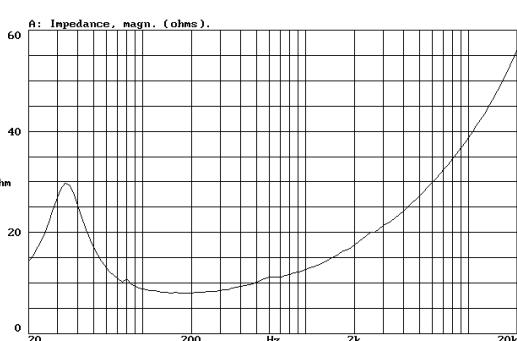
TIME RESPONSE, MAGN.



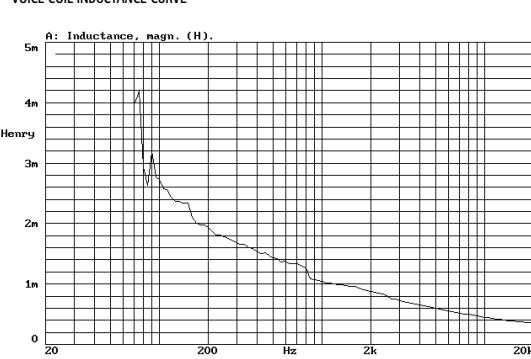
FREQUENCY RESPONSE, PHASE. On axis, 1w @ 1m.



FREE AIR IMPEDANCE CURVE



VOICE COIL INDUCTANCE CURVE



Re + Red(w) CURVE

