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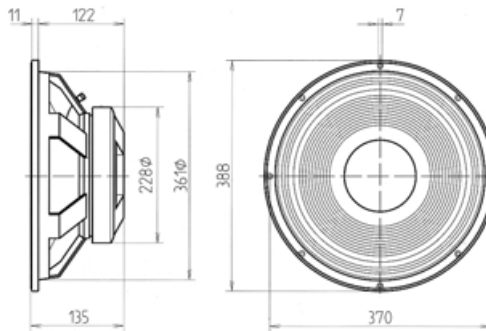
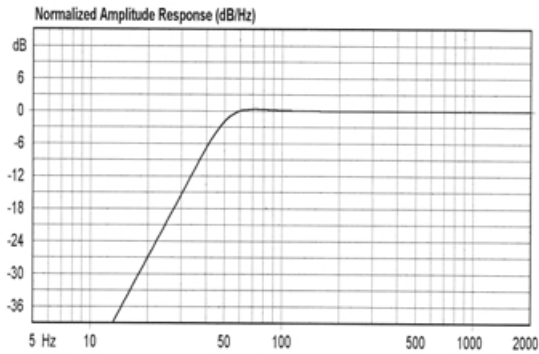
(15K200)
LOW FREQUENCY

This 15" model has been designed specifically to reinforce the low frequency range at very high power levels. It incorporates a winding length optimised for increased linear excursion, provided by high compliance suspensions. The magnetic structure construction generates a symmetrical magnetic field and, at the same time, provides an efficient thermal path which contributes to heat dissipation.

Modelo de 15" diseñado específicamente para aplicaciones en unidades graves o de subwoofer. El tamaño de la bobina (4") y un cono de gran rigidez, confieren a este altavoz una resistencia poco común frente a las más altas exigencias, tanto térmicas como mecánicas. Muy aconsejado para sistemas compactos de tipo bass-reflex.



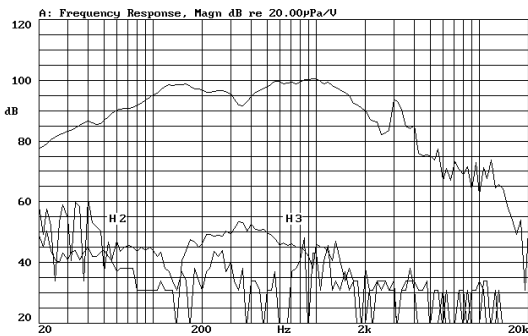
PREDICTED LOW FREQUENCY RESPONSE • Bass-reflex cabinet, Vb=90.00 l, fb=45.0 Hz



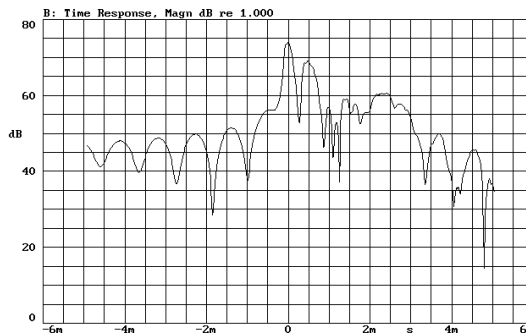
SPECIFICATIONS

Nominal diameter	380 mm. 15 in.
Rated impedance	8 ohms.
Power capacity*	300 w RMS
Program Power	600 Watts.
Sensitivity	98 dB, 2.83v @ 1m @ 2π
Frequency range	25-2000 Hz
Recom. enclosure vol.	60/150 l 2.12/5.3 ft. ³
Voice coil diameter	100 mm. 4 in.
Magnetic assembly weight	9 kg. 19.84 lb.
BL factor	20.5 N/A
Moving mass	0.106 kg.
Voice coil length	21 mm.
Air gap height	9 mm.
X damage (peak to peak)	28 mm.

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



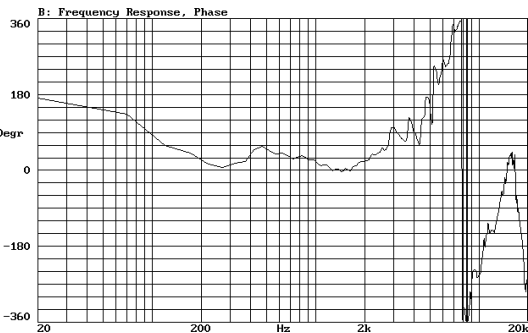
TIME RESPONSE, MAGN.



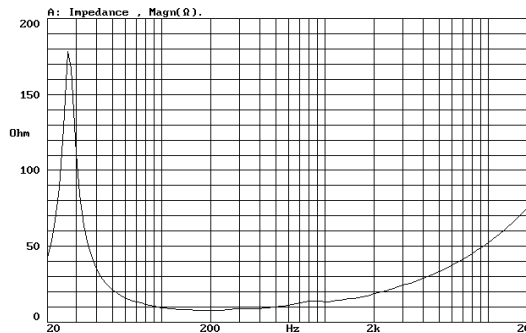
MOUNTING INFORMATION

Overall diameter	388 mm. 15.28 in.
Bolt circle diameter	370 mm. 14.56 in.
Baffle cutout diameter:	
-Front mount	361 mm. 14.21 in.
-Rear mount	355 mm. 13.97 in.
Depth	135 mm. 5.31 in.
Volume displaced by driver	7 l 0.25 ft. ³
Net weight	10.4 kg. 22.92 lb.
Shipping weight	11.5 kg. 25.35 lb.

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



FREE AIR IMPEDANCE CURVE



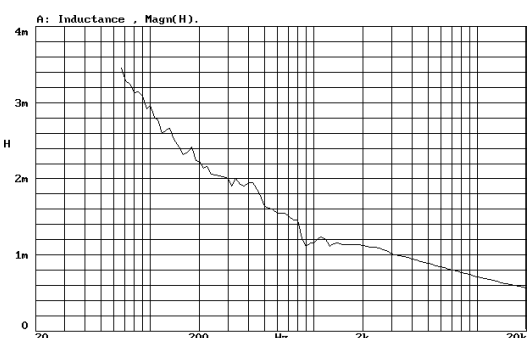
MATERIALS

Basket	Cast aluminium
Cone	Paper
Surround	Plasticised cloth
Voice coil	Copper
Magnet	Ferrite

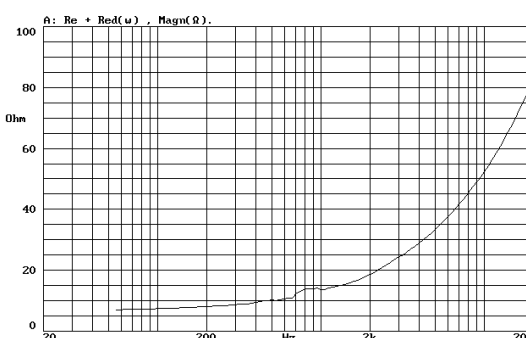
THIELE-SMALL PARAMETERS**

Resonant Frequency, fs	27 Hz
D.C. Voice Coil Resistance, Re	6.3 ohms.
Mechanical Quality Factor, Qms	9.01
Electrical Quality Factor, Qes	0.27
Total Quality Factor, Qts	0.26
Equivalent Air Volume to Cms, Vas	345 l
Mechanical Compliance, Cms	320 µm/N
Mechanical Resistance, Rms	2.76 kg/s
Efficiency, ηo (%)	2.5
Effective Surface Area, Sd(m ²)	0.088 m ²
Maximum Displacement, Xmax	7.5 mm.
Displacement Volume, Vd	660 cm. ³
Voice Coil Inductance, Le @ 1kHz	1.2 mH

VOICE COIL INDUCTANCE CURVE



Re + Red(w) CURVE



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.