

12 G-320

SOUND REINFORCEMENT LOUDSPEAKER

DESCRIPTION

This 12" loudspeaker features high efficiency, low distortion and excellent power handling capacity, with an extended, flat response in the mid-range frequencies.

It is ideally suited to medium usage in high quality sound reinforcement systems.

SPECIFICATIONS

Nominal diameter	300 mm.	12 in.
Rated impedance	8 ohms.	
Power capacity	150 w	
Sensitivity	104 dB	1w @ 1m
Frequency range	45-4500 Hz	
Recommended enclosure vol.	10-30 l	0.35-1 ft. ³
Voice coil diameter	100 mm.	4 in.
Magnetic assembly weight	8.6 kg.	18.96 lb.
BL Factor	24.5 N/A	
Moving mass	0.058 kg.	

Positive voltage on red terminal
moves diaphragm forward

THIELE-SMALL PARAMETERS

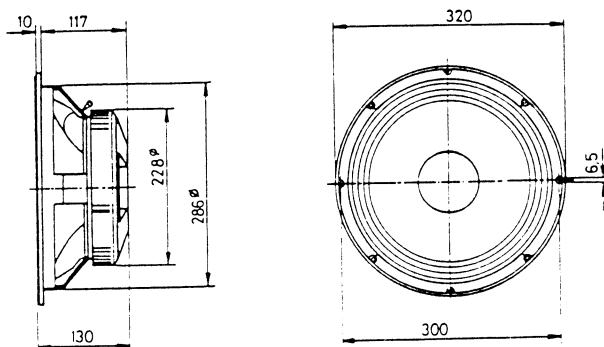
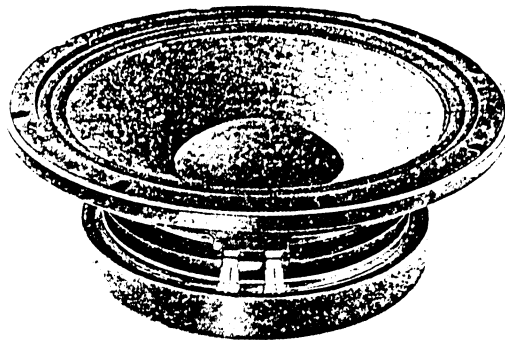
Fs	52 Hz
Re	6.2 ohms.
Qms	2.58
Qes	0.2
Qts	0.186
Vas	62 l 2.2 ft. ³
η_0	4.5 %
Sd	0.053 m ² 82.15 in. ²
Xmax	1.5 mm. 0.06 in.
Vd	79 cm. ³ 4.82 in. ³
Le	0.7 mH

MOUNTING INFORMATION

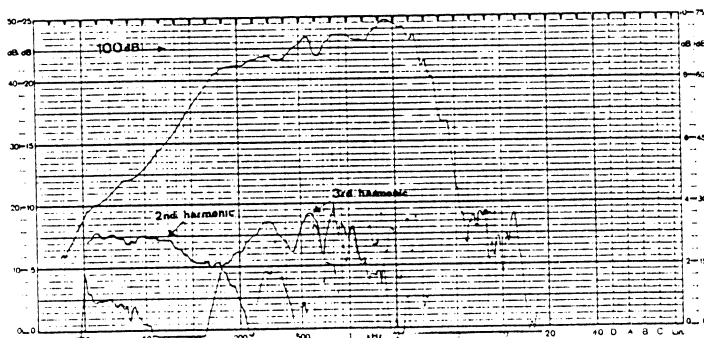
Overall diameter	320 mm.	12.6 in.
Bolt circle diameter	300 mm.	11.8 in.
Baffle cutout diameter :		
-Front mount	286 mm.	11.26 in.
-Rear mount	275 mm.	10.83 in.
Depth	130 mm.	5 in.
Volume displaced by driver	5.5 l	0.19 ft. ³
Net weight	9.55 kg.	21.05 lb.
Shipping weight	10.15 kg.	22.38 lb.

MATERIALS

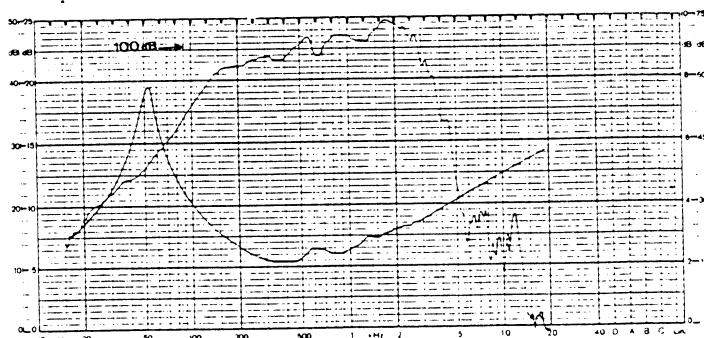
Basket	Die cast aluminium
Cone	Paper
Surround	Plasticised cloth
Voice coil material	Edgewound copper ribbon wire



Frequency response & Impedance curves. On axis, 1w @ 1m



Distortion vs. Frequency • 2nd & 3rd harmonic level raised 20 dB



PREDICTED LOW FREQUENCY RESPONSE • Bass-reflex cabinet, Vb=35 l, fb=85 Hz

