

15 G-300

LOW FREQUENCY PROFESSIONAL LOUDSPEAKER

DESCRIPTION

This 15" loudspeaker is designed to deliver maximum levels of clean bass and crisp midrange with high efficiency and with ability to handle exceptional continuous power. It is an ideal choice for low frequency reproduction systems like horn-loaded enclosures or compact size bass-reflex cabiners.

SPECIFICATIONS

Nominal diameter	380 mm. 15 in.
Rated impedance	8 ohms.
Power capacity	250 w
Sensitivity	101 dB 1w @ 1m
Frequency range	30-4500 Hz
Recommended enclosure vol.	60-150 l 2.1-5.3 ft. ³
Voice coil diameter	62.4 mm. 2.5 in.
Magnetic assembly weight	6.4 kg. 14.11 lb.
BL Factor	18.8 N/A
Moving mass	0.08 kg.
Positive voltage on red terminal moves diaphragm forward	

THIELE-SMALL PARAMETERS

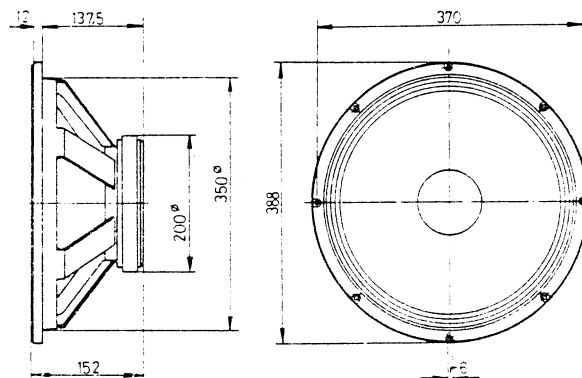
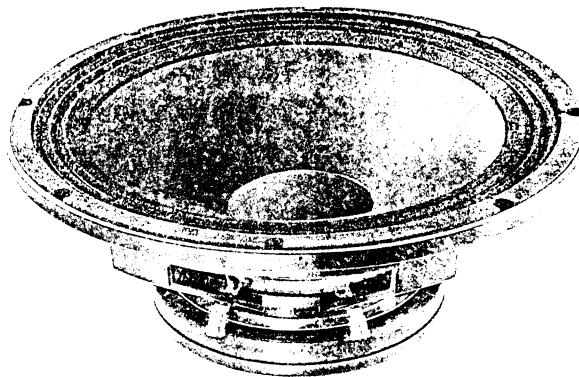
Fs	37 Hz
Re	6.3 ohms.
Qms	14.05
Qes	0.34
Qts	0.33
Vas	205 l 7.24 ft. ³
η_0	3 %
Sd	0.08 m. ² 124 in. ²
Xmax	5 mm. 0.2 in.
Vd	400 cm. ³ 24.4 in. ³
Le	1.3 mH

MOUNTING INFORMATION

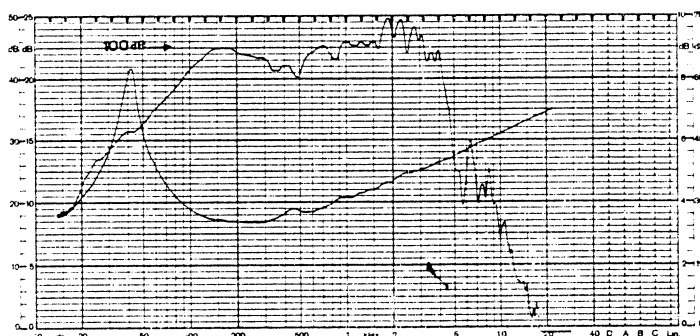
Overall diameter	388 mm. 15.28 in.
Bolt circle diameter	370 mm. 14.57 in.
Baffle cutout diameter :	
-Front mount	352 mm. 13.86 in.
-Rear mount	355 mm. 13.98 in.
Depth	152 mm. 5.98 in.
Volume displaced by driver	7 l 0.25 ft. ³
Net weight	8 kg. 17.64 lb.
Shipping weight	9 kg. 19.84 lb.

MATERIALS

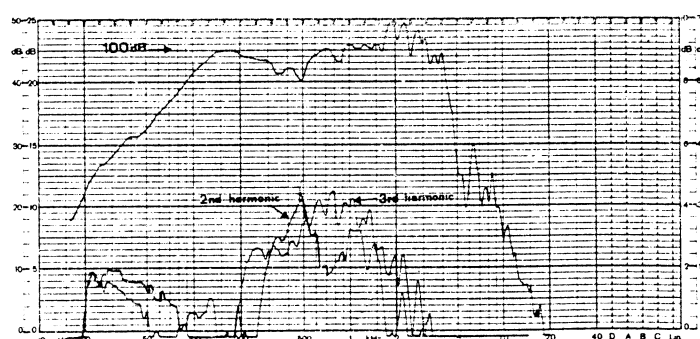
Basket	Die cast aluminium
Cone	Paper
Surround	Plasticised cloth
Voice coil material	Copper



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=90 l, fb=55 Hz

