12 XT
CO-AXIAL LOUDSPEAKER

DESCRIPTION

This 12" loudspeaker is a single unit, two ways system, comprising a bass driver and a compression driver loaded by a constant directivity horn. This design reduces dramatically phasing problems in the crossover region. It is well suited for use in stage monitors and compact size enclosures.

SPECIFICATIONS

BASS DRIVER

Nominal diameter	300 mm. *12 in.*
Rated impedance	8 ohms.
Power capacity	200 w
Sensitivity	96 dB 1w @ 1m
Frequency range	40-2500 Hz
Recommended enclosure vol.	30-70 l *1.06-2.47 ft.³*
Voice coil diameter	100 mm. *4 in.*
Magnetic assembly weight	8.65 kg. *19.07 lb.*
BL Factor	20.7 N/A
Moving mass	0.06 kg.
Positive voltage on red terminal moves diaphragm forward	

THIELE-SMALL PARAMETERS

Fs	42 Hz
Re	6.5 ohms.
Qms	6.82
Qes	0.26
Qts	0.25
Vas	90 l *3.18 ft.³*
ηo	2.5 %
Sd	0.053 m.² *82 in.²*
Xmax	5 mm. *0.2 in.*
Vd	265 cm.³ *16.17 in.³*
Le	1.2 mH

H.F. DRIVER

Rated impedance	8 ohms.
Power capacity	50 w
Frequency range	1.5 -20 kHz
Sensitivity	106 dB 1w @ 1m
Magnetic assembly weight	3 kg. *6.6 lb.*
Voice coil diameter	44.4 mm. *1.75 in.*
Voice coil inductance	0.19 mH
Bl Factor	9.8 N/A
Dispersion	90° x 40°
Positive voltage on red terminal moves diaphragm toward the phase plug	

MOUNTING INFORMATION

Overall diameter	320 mm. *12.6 in.*
Bolt circle diameter	299 mm. *11.77 in.*
Baffle cutout diameter :	
-Front mount	286 mm. *11.26 in.*
-Rear mount	280 mm. *11.06 in.*
Volume displaced by driver	6.5 l *0.23 ft.³*
Net weight	10.75 kg. *23.7 lb.*
Shipping weight	11.5 kg. *25.35 lb.*
Depth	182 mm. *7.16 in.*

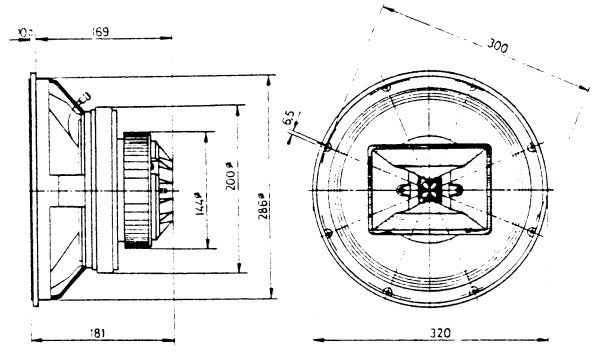
MATERIALS

L.F.UNIT

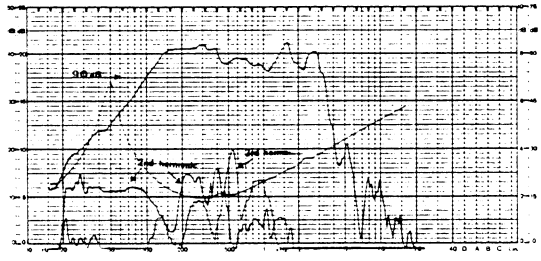
Basket	Die cast aluminiun
Cone	Paper
Surround	Plasticised cloth
Voice coil material	Edgewound copper ribbon

H.F. UNIT

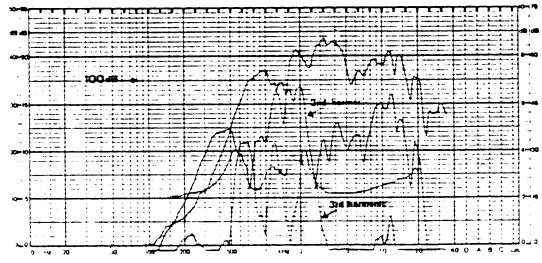
Diaphragm	Aluminium
Voice coil material	Edgewound aluminium ribbon



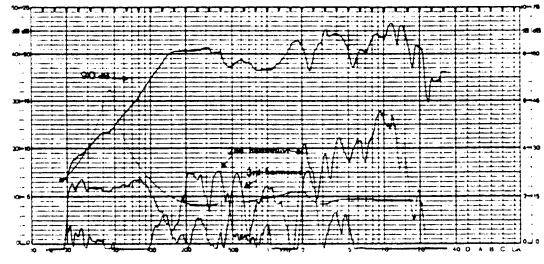
Frequency response,Distortion * & Impedance curves • L.F. unit. On axis, 1w @ 1m.



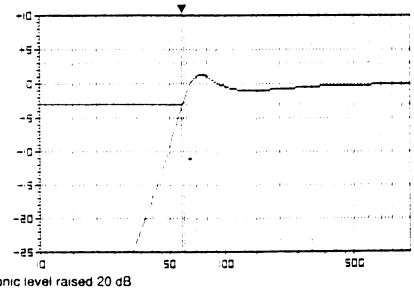
Frequency response, Distortion * & Impedance curves • H.F. unit. On axis, 1w @ 1m.



Frequency response measured with the F-2XT frequency dividing network. On axis ,1w @ 1m.



PREDICTED LOW FREQUENCY RESPONSE • Bass-reflex cabinet, Vb=60 l, fb=65 Hz.



(*) 2nd & 3rd harmonic level raised 20 dB