

15 XT

CO-AXIAL LOUDSPEAKER

DESCRIPTION

This 15" 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 and maintains well controlled the radiation angle covered by the horn. This model is well suited for use in stage monitors and compact size enclosures.

SPECIFICATIONS

THIELE-SMALL PARAMETERS

MOUNTING INFORMATION

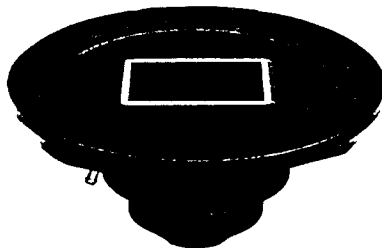
MATERIALS

L.F. UNIT	
Nominal diameter	380 mm. 15 in.
Rated impedance	8 ohms.
Power capacity	200 w
Sensitivity	98 dB 1 w @ 1m
Frequency range	35-2500 Hz
Recom. enclosure vol.	60-120 l 2.12-4.24 ft. ³
Voice coil diameter	100 mm. 4 in.
Magnetic assembly weight	8.65 kg. 19.07 lb.
BL factor	19.7 N/A
Moving mass	0.085 kg.
H.F. UNIT	
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.
BL factor	9.8 N/A
Dispersion	90° x 40°

fs	33 Hz
Re	6.5 ohms.
Qms	7.68
Qes	0.3
Qts	0.29
Vas	270 l
no	3.1 %
Sd	0.085 m ²
Xmax	5 mm.
Vd	425 cm. ³
Le	1.2 mH

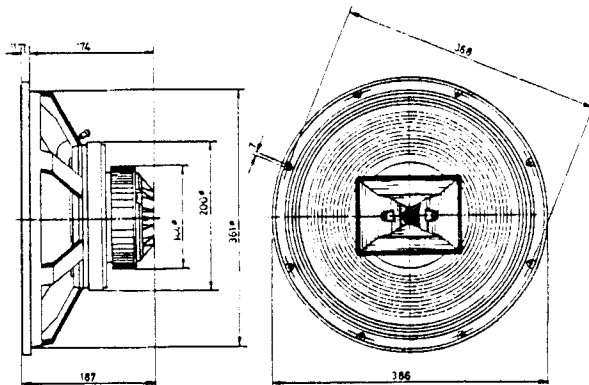
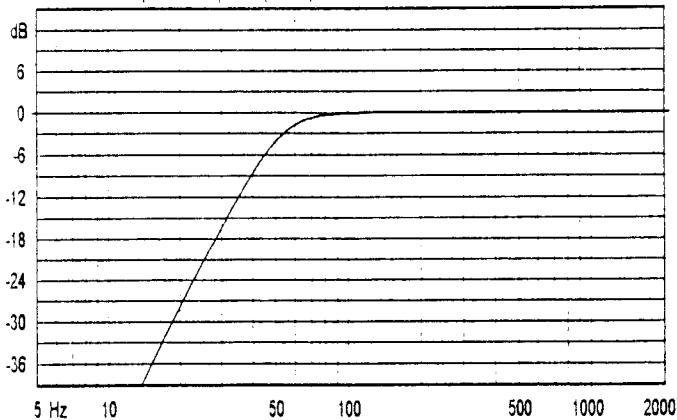
Overall diameter	386 mm. 15.20 in.
Bolt circle diameter	368 mm. 14.49 in.
Baffle cutout diameter:	
-Front mount	360 mm. 14.17 in.
-Rear mount	355 mm. 13.98 in.
Volume displaced by driver	8.5 l 0.3 ft. ³
Net weight	11 kg. 24.25 lb.
Shipping weight	12.2 kg. 26.9 lb.
Depth	187 mm. 7.36 in.

L.F. UNIT	
Basket	Die cast aluminium
Cone	Paper
Surround	Plasticised cloth
Voice coil	Edgewound copper ribbon
H.F. UNIT	
Diaphragm	Aluminium
Voice coil	Edgewound alum. ribbon

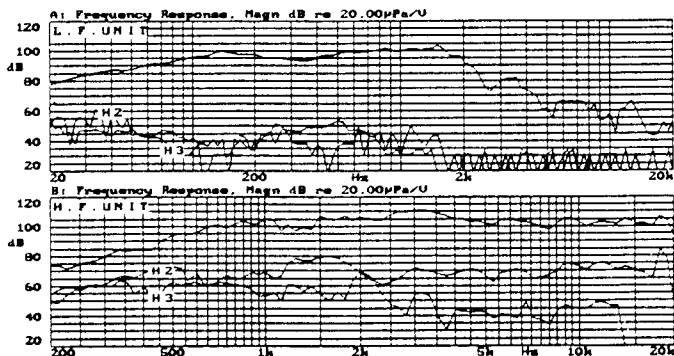


PREDICTED LOW FREQUENCY RESPONSE • Bass-reflex cabinet, Vb=80.00 l, fb=45.0 Hz

Normalized Amplitude Response (dB/Hz)



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



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

