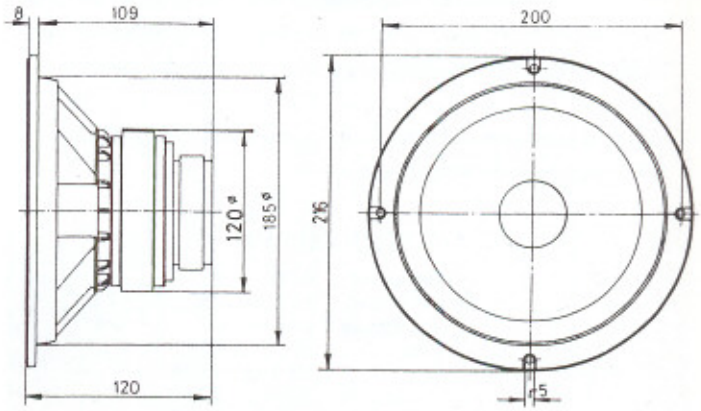
8 CX
CO-AXIAL LOUDSPEAKER

DESCRIPTION

This co-axial loudspeaker combines a 8" bass transducer with a 1" dome tweeter concentrically mounted into a true point source. In order to achieve maximum efficiency and optimum parameters, two separate magnet systems are employed.

The careful design of each component provides smooth and extended frequency response, low harmonic distortion and high power handling capacity.

This unit is an excellent choice in high quality full range compact bass-reflex or close box enclosures.



SPECIFICATIONS

BASS DRIVER

Nominal diameter	200 mm. *8 in.*
Rated impedance	8 ohms.
Power capacity	80 w
Sensitivity	93 dB 1w @ 1m
Frequency range	40 - 5000 Hz
Recommended enclosure vol.	15 -40 l *0.5 - 1.4 ft.³*
Voice coil diameter	38.5 mm. *1.5 in.*
Magnetic assembly weight	2 kg. *4.4 lb.*
BL Factor	7.67 N/A
Moving mass	0.015 kg.

Positive voltage on red terminal moves diaphragm forward

THIELE-SMALL PARAMETERS

Fs	50 Hz
Re	7 ohms.
Qms	9.83
Qes	0.46
Qts	0.38
Vas	45 l *1.4 ft.³*
ηo	1.3 %
Sd	0.022 m^2. *34 in^2.*
Xmax	3 mm. *0.12 in.*
Vd	68 cm^3. *4.15 in^3.*
Le	0.7 mH

H.F. DRIVER

Rated impedance	8 ohms
Power capacity	15 w
Frequency range	3-20 kHz
Sensitivity	96 dB 1w @ 1m
Magnetic assembly weight	0.525 Kg *1.16 lb*
Voice coil diameter	25.8 mm. *1 in*
Voice coil inductance	0.15 mH
Bl Factor	4.4 N/A
Dispersion	60°

Positive voltage on red terminal moves diaphragm toward the phase plug

MOUNTING INFORMATION

Overall diameter	215 mm. *8.46 in.*
Bolt circle diameter	200 mm. *7.87 in.*
Baffle cutout diameter :	
-Front mount	185 mm. *7.28 in.*
-Rear mount	185 mm. *7.28 in.*
Depth	120 mm. 4.72 in
Volume displaced by driver	1.5 l *0.05 ft³.*
Net weight	2.9 kg. *6.4 lb.*
Shipping weight	3.1 kg. *6.8 lb.*

MATERIALS

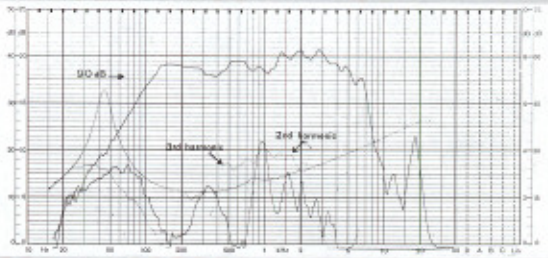
L.F. Unit

Basket	Die cast aluminium
Cone	Paper
Surround	Rubber
Voice coil materia	Copper

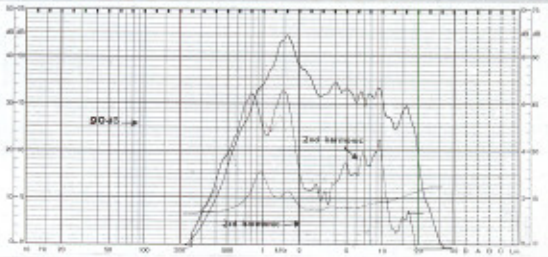
H.F. Unit

Diaphragm	Titanium
Voice coil material	Copper

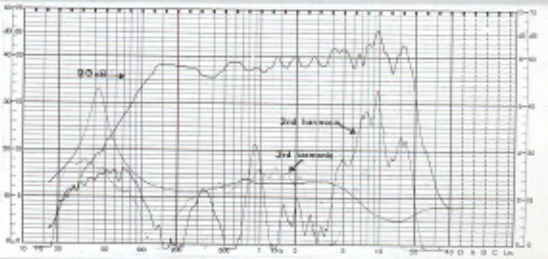
Frequency response, Distortion *& Impedance curves • L.F. unit. On axis, 1w @ 1m



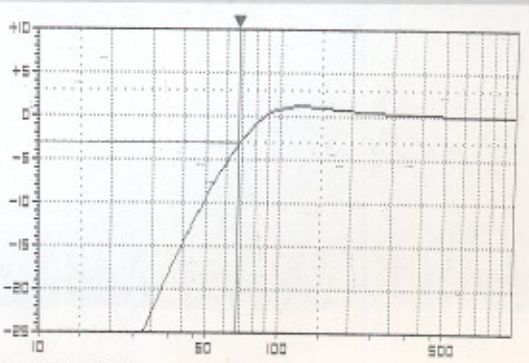
Frequency response, Distortion *& Impedance curves • H.F. unit. On axis, 1w @ 1m



Frequency response measured with the F-CX2 frequency dividing network. On axis, 1w @ 1m



PREDICTED LOW FREQUENCY RESPONSE • Bass-reflex cabinet, Vb=20 l,fb=45 Hz



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