



Here
Today!



Tomorrow's
"Loudspeaker"



TANNOY
DUAL CONCENTRIC

FREQUENCY RESPONSE 30 TO OVER 20,000 C.P.S.

EXCELLENT IN
MONOPHONIC

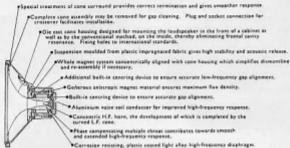
SUPERB in STEREO

HOW THE TANNOY DUAL CONCENTRIC WORKS

This twin Loudspeaker System consists of a direct radiator low frequency unit mounted concentrically with a horn-loaded high frequency unit. The voice coils of both Loudspeaker Systems are fed through a specially designed crossover network. The frequency response of both units is intrinsically level and the wide frequency range is not obtained by trick effects, such as cone break-up or uncontrolled resonance. The design of the low frequency cone, which forms the final section of the high frequency horn, is such that even distribution of high frequencies is obtained over a wide angle and in order that the low frequency diaphragm shall move as a true piston it is

masked by a special process and the surround is treated with a stable epoxy resin to prevent subsidiary resonance. In the design of this Loudspeaker great care has been taken to ensure that the entire system is truly aperiodic which, together with its wide frequency range, results in a standard of reproduction far in advance of that obtained with any other system.

This Unit is the culmination of over 30 years continuous research in the field of high quality transducers and its adoption as a listening standard by Broadcasting and Recording Companies throughout the world is an indication of the supremacy of its performance.



"TWELVE"

CUT OUT TO SHOW
INTERIOR DESIGN

TECHNICAL SPECIFICATION

	"TWELVE"	"FIFTEEN"
H.F. VOICE COIL DIAMETER	2"	2"
L.F. VOICE COIL DIAMETER	9"	9"
IMPEDANCE VIA CROSSOVER NETWORK	16 ohms	16 ohms
FLUX DENSITY L.F. GAP	10,000 gauss	12,000 gauss
FLUX DENSITY H.F. GAP	15,000 gauss	18,000 gauss
POWER HANDLING CAPACITY	15 watts	25 watts
POLAR DISTRIBUTION FOR 60° INC. ANGLE	-3dB at 10,000 c.p.s.	-4dB at 10,000 c.p.s.
INTERMODULATION PRODUCTS	less than 2%	less than 2%
BASS RESONANCE	35 c.p.s.	32 c.p.s.
CROSSOVER FREQUENCY	1,780 c.p.s.	1,000 c.p.s.
OVERALL DIAMETER OF FRAME	12 3/4"	15 1/4"
OVERALL DEPTH	7 1/2"	9"
FIXING HOLES P.C.B.	1 1/2"	1 1/2"
WEIGHT (CROSSOVER NETWORK IN A SEPARATE UNIT)	19 lbs. (crossover 5 lbs.)	20 lbs. 15 oz. (crossover 5 lbs.)



"FIFTEEN" SHOWING PLUG-IN CROSSOVER NETWORK

The Tannoy Dual Concentric makes the word "loudspeaker" completely out of date. Here is a precision acoustic transducer which sets a new standard in high fidelity reproduction... an instrument rather than a mere mechanism, designed with the most exacting American standards firmly in mind, and built by skilled British engineers in the best traditions of British craftsmanship. In stereo it is imperative that each channel should provide an integrated sound source; this requirement is a basically inherent characteristic of the Dual Concentrics, making them the ideal speakers for stereo reproduction.

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