

TANNOY®

Integrated
Loudspeaker Systems



Tannoy Products Ltd
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United Kingdom

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Technical Specifications

Arden
Driver system HPD385A
Power handling capacity 85 Watts
Sensitivity 91dB @1m for 1W input (3.1w DIN 96dB)
Dimensions 39" (99cm) × 26" (66cm) × 14½" (37cm)



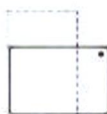
Berkeley
Driver system HPD385A
Power handling capacity 85 Watts
Sensitivity 91dB @1m for 1W input (3.1w DIN 96dB)
Dimensions 33" (84.6cm) × 21" (53.6cm) × 12" (30.8cm)



Cheviot
Driver system HPD315A
Power handling capacity 60 Watts
Sensitivity 89dB @1m for 1W input (5w DIN 96dB)
Dimensions 33" (84.6cm) × 17½" (44.6cm) × 10¼" (26cm)



Devon
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Power handling capacity 60 Watts
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Dimensions 23" (58.4cm) × 15¾" (40cm) × 10¼" (26cm)



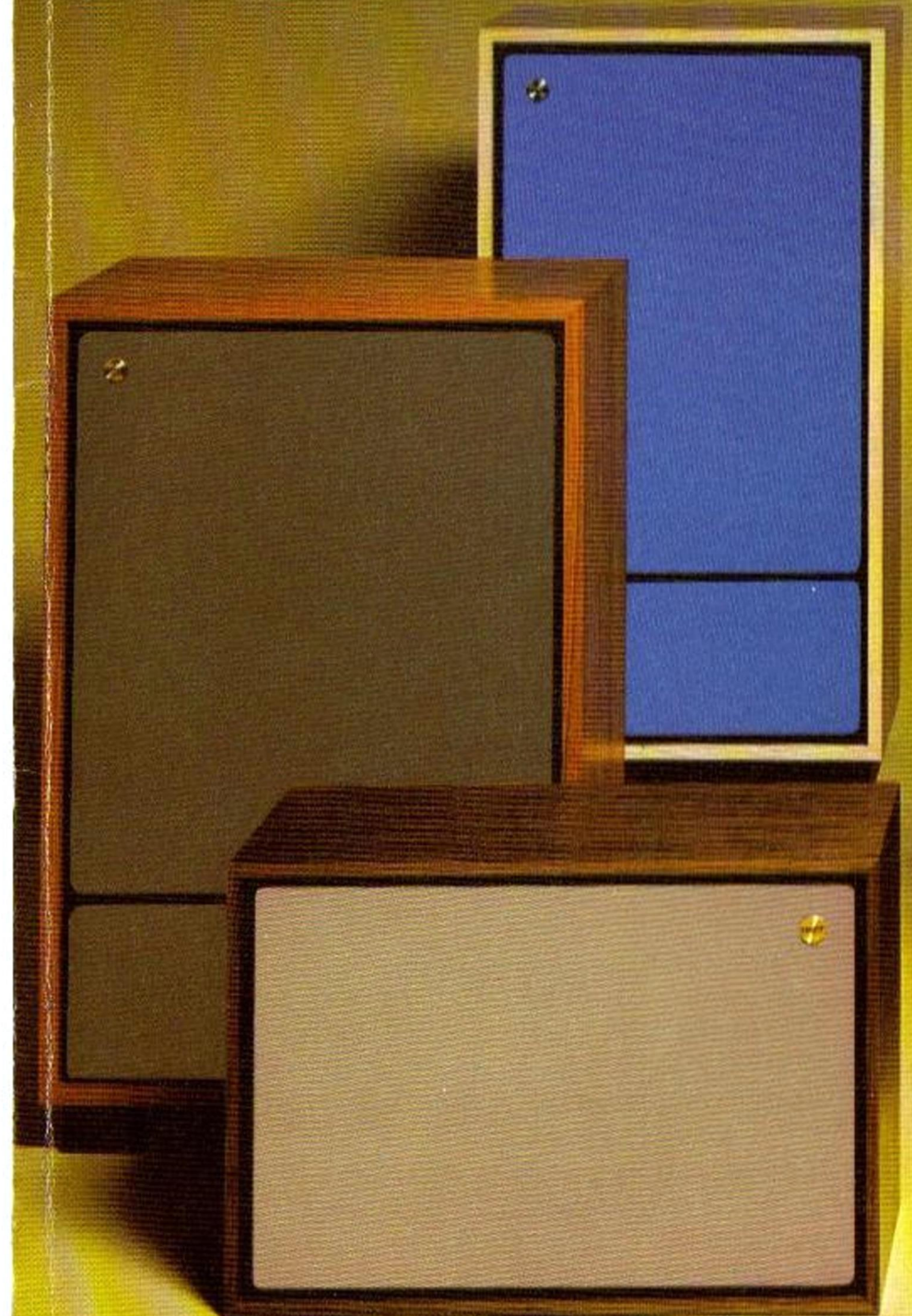
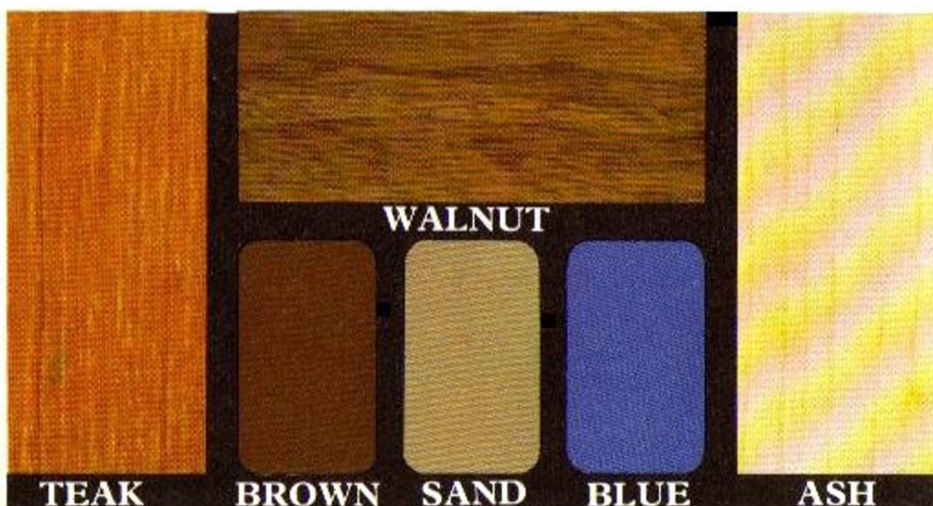
Eaton
Driver system HPD295A
Power handling capacity 50 Watts
Sensitivity 87.5dB @1m for 1W input (7w DIN 96dB)
Dimensions 20¾" (52.4cm) × 13¾" (35cm) × 9¾" (25cm)



All systems 8Ω impedance
All sensitivity measurements taken in anechoic chamber.

Finishes

Available in Walnut, Ash or Teak with brown grille.
Sand or blue cloth available as optional extra.



Your Tannoy dealer is:

Tannoy Integrated Loudspeaker System

This system is a highly developed and refined version of the Tannoy loudspeaker. It utilises the dual concentric principle to provide an integrated sound source which, over the past quarter of a century, has become an established quality reference in recording, broadcasting and television studios.

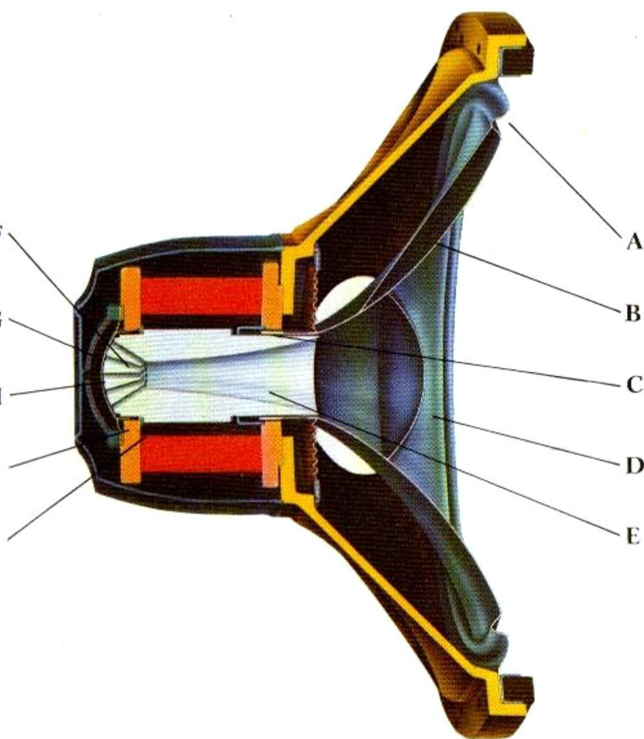
The Tannoy system combines a precision built high frequency compression horn driver with a direct radiator bass unit embodying the unique Girdacoustic* reinforced cone.

These two drivers are mounted concentrically on a single frame and magnet assembly. They are driven through a sophisticated separate crossover network creating a system covering the entire frequency range from 20hz to 20 KHz.

Distortion products are negligible, and the wide, smooth frequency range with excellent transient response result in very natural reproduction and an almost total lack of colouration.

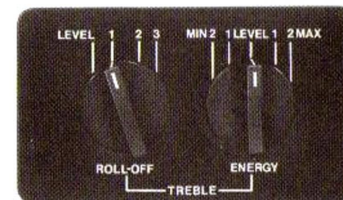
Sensitivity is high. A 20 Watt amplifier used with the smaller systems is more than adequate for normal domestic purposes. This sensitivity, combined with high power handling capacity, makes the larger units ideal for the most sophisticated professional or home installations.

**on HPD315A and HPD385A only.*



- A Rolled surround for stability in low bass response.
- B Unique ribbing virtually eliminates cone break-up ensuring smooth response and extraordinarily high power capacity
- C High temperature voice coil
- D Dustproof, acoustically transparent sealing dome
- E Concentric HF horn (completed by curved LF cone)
- F Phase-compensating multiple throat for extended and smooth HF response.
- G Acoustic balance cavity for reduced distortion
- H Precision contoured high frequency diaphragm
- I Aluminium voice coil conductor for superb HF response
- J Exclusive magnetic shunt for increased LF flux

The Crossover Network

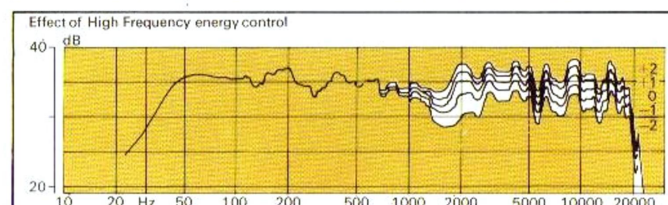
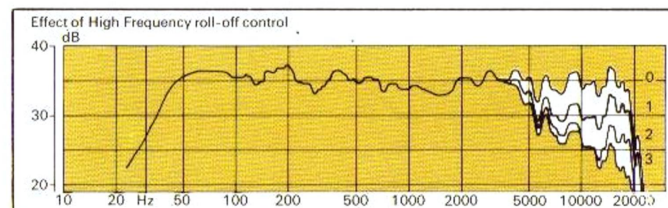


The Tannoy crossover network divides the electrical energy from the amplifier between the high frequency compression driver and the low frequency direct radiator and makes a vital contribution to the overall performance of the system.

It incorporates two controls. One permits attenuation of the treble energy output only in the range above 5KHz. The other allows the output of the high frequency unit to be increased or attenuated over its entire range from 1KHz to 20KHz, compensating for room acoustics and individual preference.

The crossover is assembled to the very highest standards on a fibreglass printed circuit board. Solid dielectric capacitors are used throughout and all resistors and inductors are very generously rated.

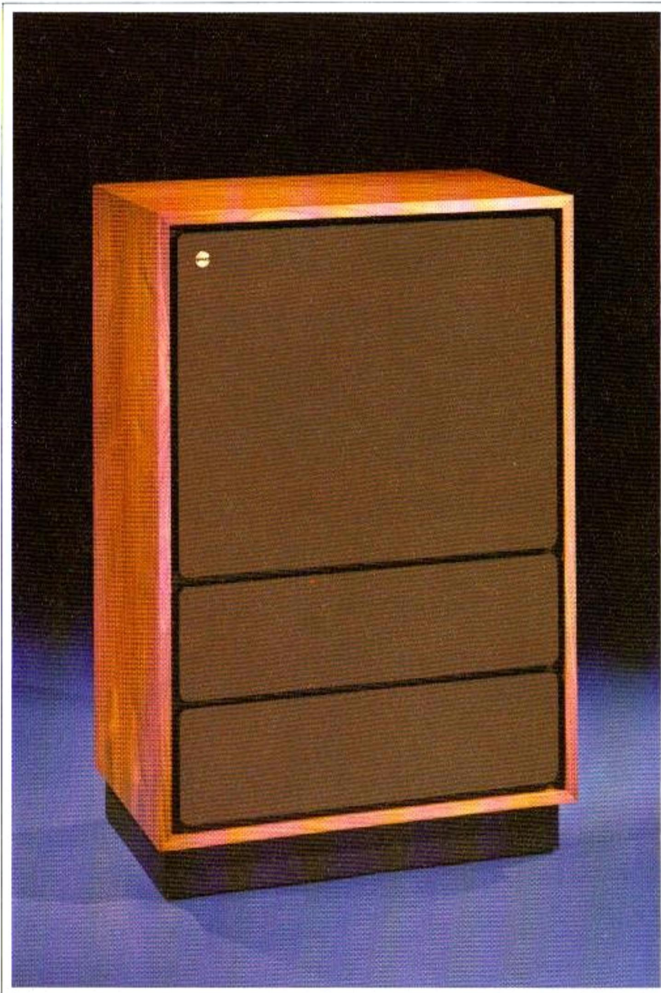
The design of the crossover ensures that the complete loudspeaker system has an excellent impedance characteristic which provides the ideal load for any amplifier.



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The Tannoy Organisation has been designing and building specialised high quality loudspeakers for the past 50 years.

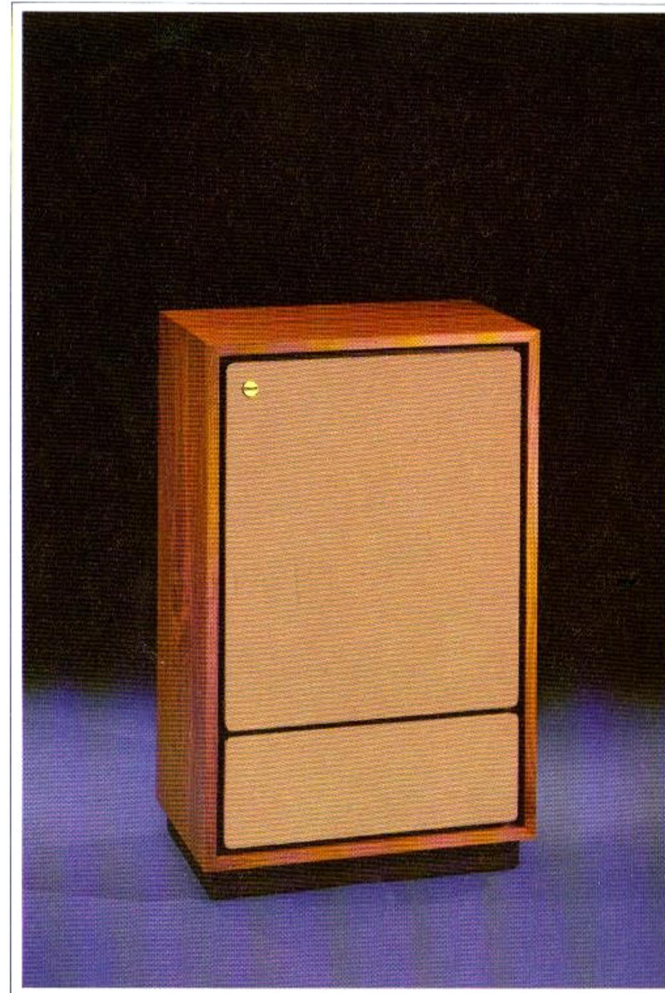
This wealth of experience is combined with modern research and production methods, rigid quality control and a tradition of superb craftsmanship to produce sound systems of unprecedented accuracy and naturalness. It is for these reasons that Tannoy Integrated Loudspeaker Systems have become the choice of professional users in the recording, broadcasting and sound engineering industries and of discriminating music lovers the world over.



Arden

The outstanding performance characteristics of the HPD385A Integrated Loudspeaker System are completely realised by the Arden, the largest model in the range. An extended bass response is obtained through the use of a triple ducted port system resulting in very low distortion products. The system is front recess mounted to avoid tunnel and diffraction effects. With generous internal strutting for high rigidity, the internal cavity is critically damped with graded acoustic foam ensuring lack of colouration in the bass response.

The HPD385A in the Arden enclosure fully meets the requirements of all professional applications and the more ambitious home installations.



Berkeley

This system provides the high power handling capacity and sensitivity of the HPD385A unit in a compact enclosure where insufficient space is available to accommodate the Arden.

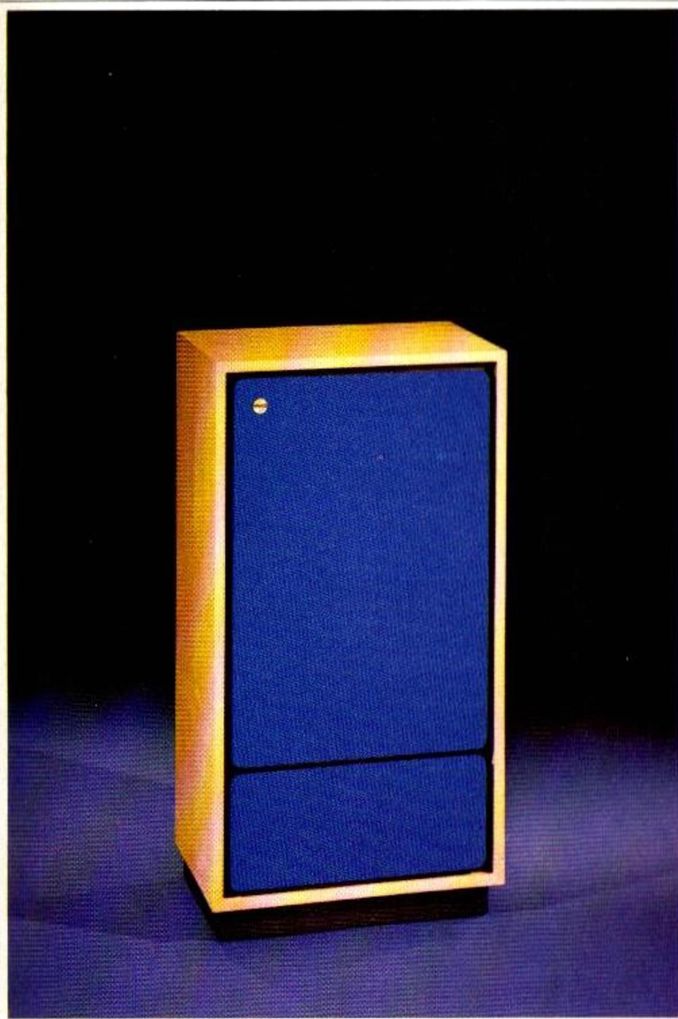
A carefully designed dual ducted port provides optimum bass characteristics in relation to enclosure volume, and the loudspeaker is front recess mounted to ensure unimpeded treble response.

High density stock is used throughout the cabinet construction and massive internal reinforcement renders the structure free from spurious resonances. Each section of the two-part grille can be removed separately to facilitate treble adjustment.

An important component in the Tannoy system is the enclosure. Correct acoustic design is vital to ensure that maximum advantage is taken of the superb performance of the Loudspeaker unit.

Styling was undertaken by leading British Designer, Jack Howe, working in conjunction with Tannoy research engineers. The result is a range of enclosures offering optimum performance and elegant appearance.

Designed to blend well with any furnishing scheme or decor, these carefully engineered cabinets exploit to the fullest extent the capabilities of each Tannoy Integrated Loudspeaker System.

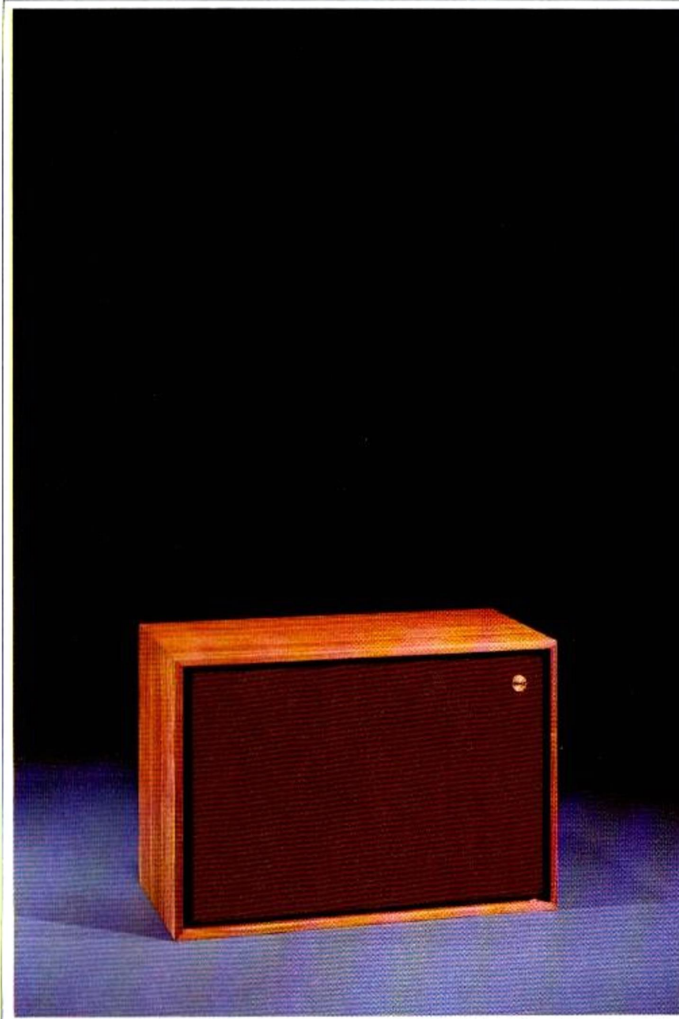


Cheviot

This is the smallest freestanding cabinet in the Tannoy range and uses the HPD315A system.

The enclosure/loudspeaker combination achieves remarkably solid bass, while the high power handling capacity and extended treble response of the HPD315A put this model in a category more usually associated with professional equipment.

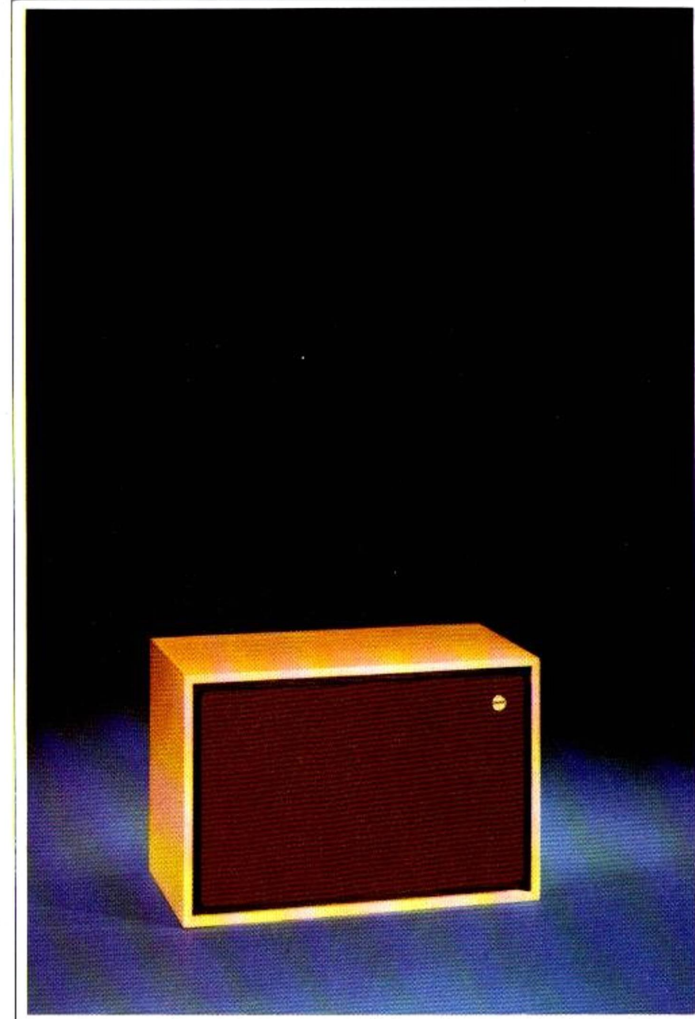
Elegantly proportioned and modestly scaled, the Cheviot has been created to fit easily into today's smaller living spaces. It offers the high fidelity enthusiast all of the qualities of a fine home furnisher in addition to superlative technical performance.



Devon

The largest bookshelf enclosure in the Tannoy range is fitted with the HPD315A Integrated Loudspeaker System handling 60 Watts. This, combined with high sensitivity, provides a standard of performance superior to many large freestanding systems. Very rigid cabinet construction with a complete absence of random leaks, together with critical internal damping and a ducted bass port, provide smooth, extended bass to complement the outstanding treble response of the high frequency compression driver.

The performance of this type of system has led to its selection as a mobile studio monitor by major recording and broadcasting authorities throughout the world.



Eaton

The performance of the Eaton sets an entirely new standard for bookshelf systems.

Power handling capacity of 50 Watts combined with the high sensitivity of the HPD295A make the Eaton superior to many larger loudspeakers costing more and requiring much higher driving power.

The enclosure's ducted port and carefully adjusted internal acoustic foam damping provide bass response out of all proportion to its size.

This outstanding system enables those with only limited space to enjoy the full range natural sound which over the years has become associated with the name of Tannoy.

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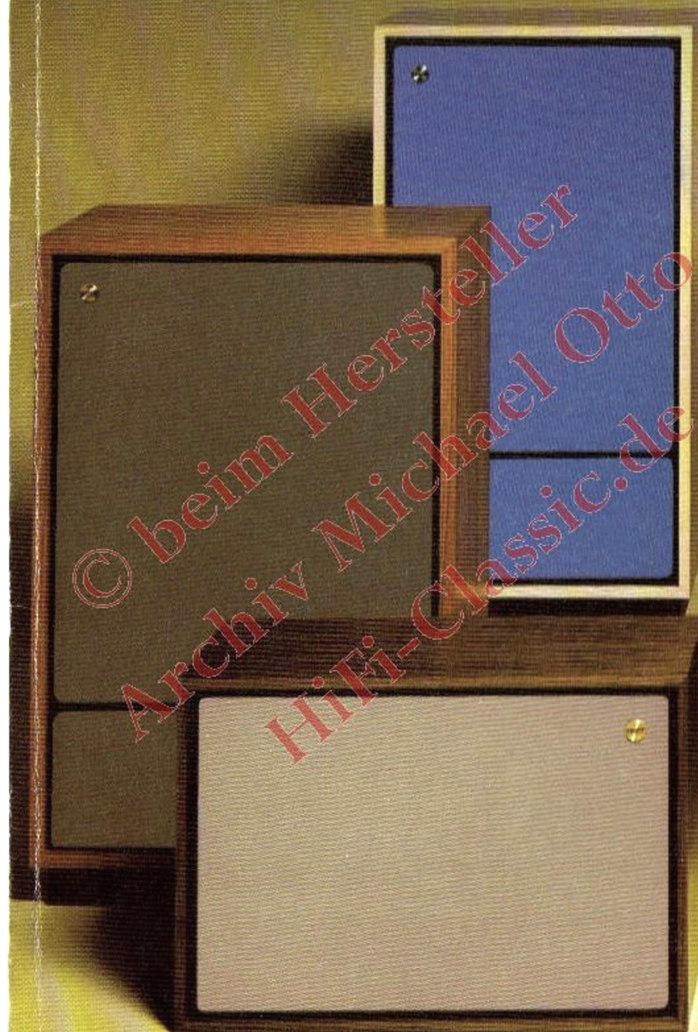


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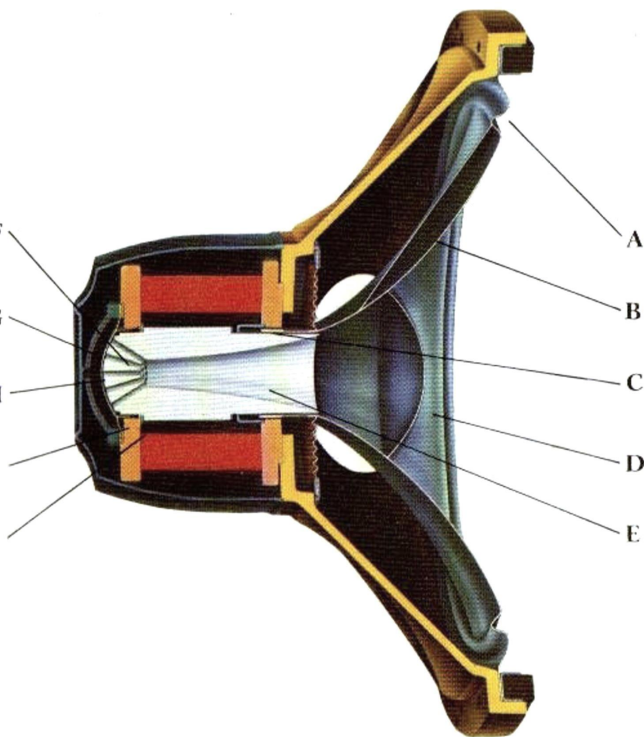
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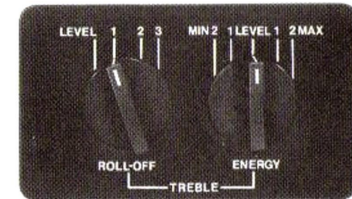
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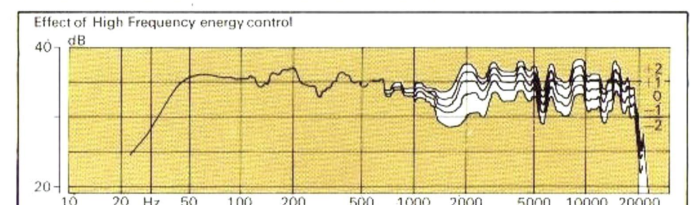
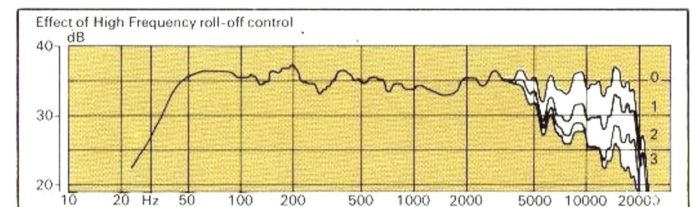


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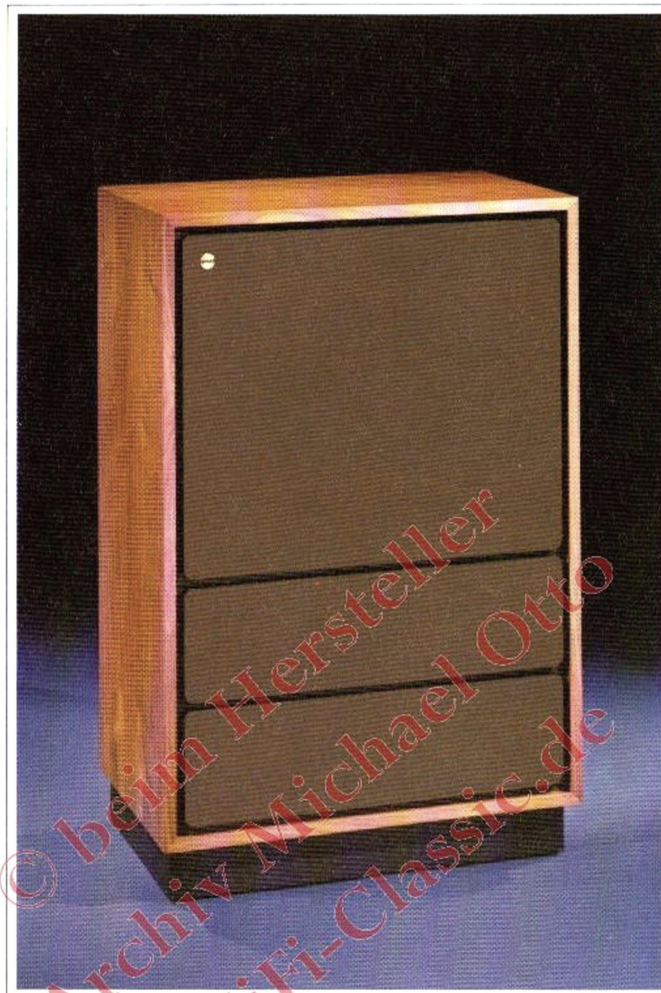
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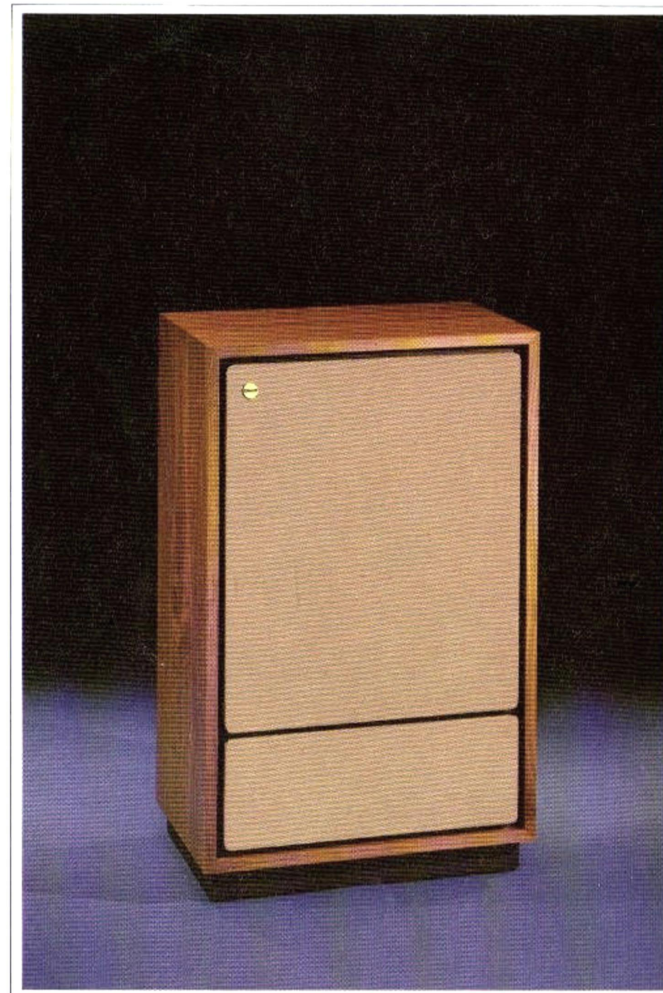
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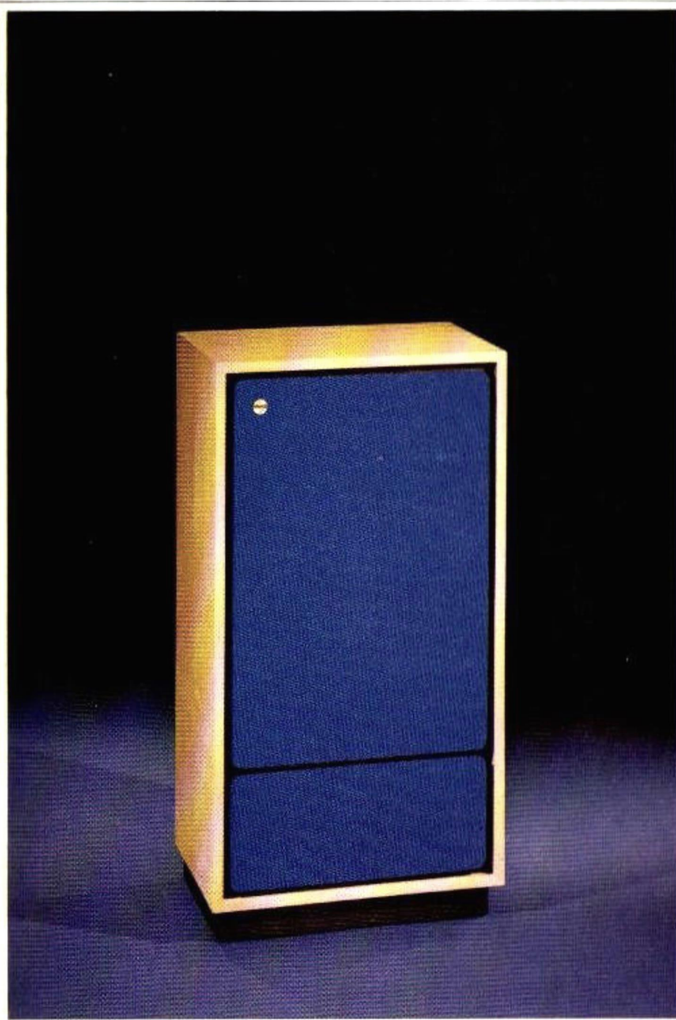


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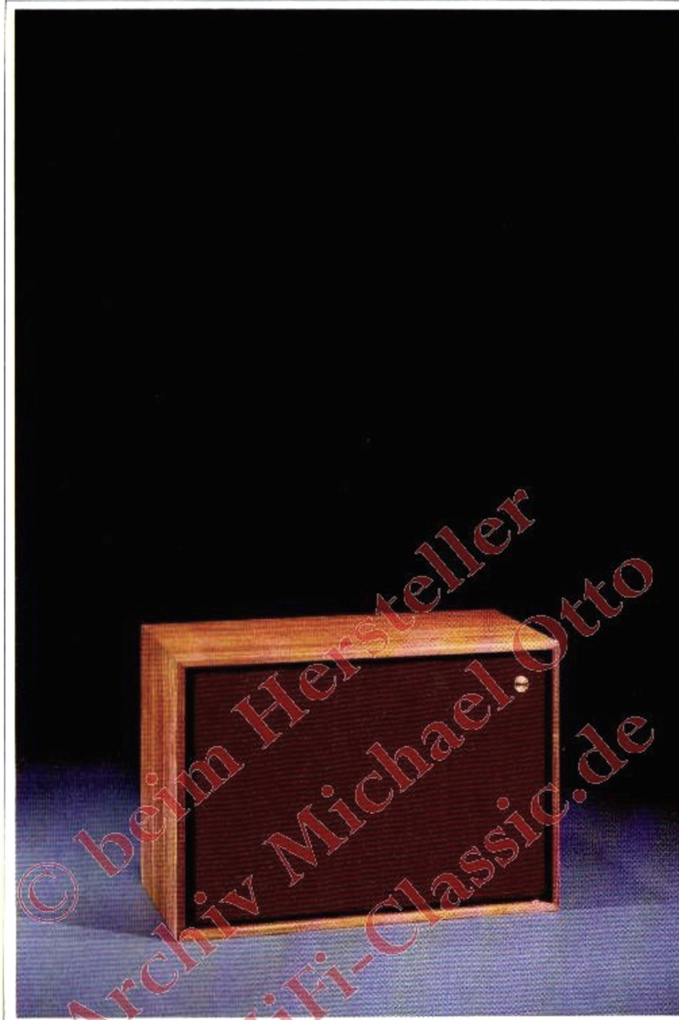


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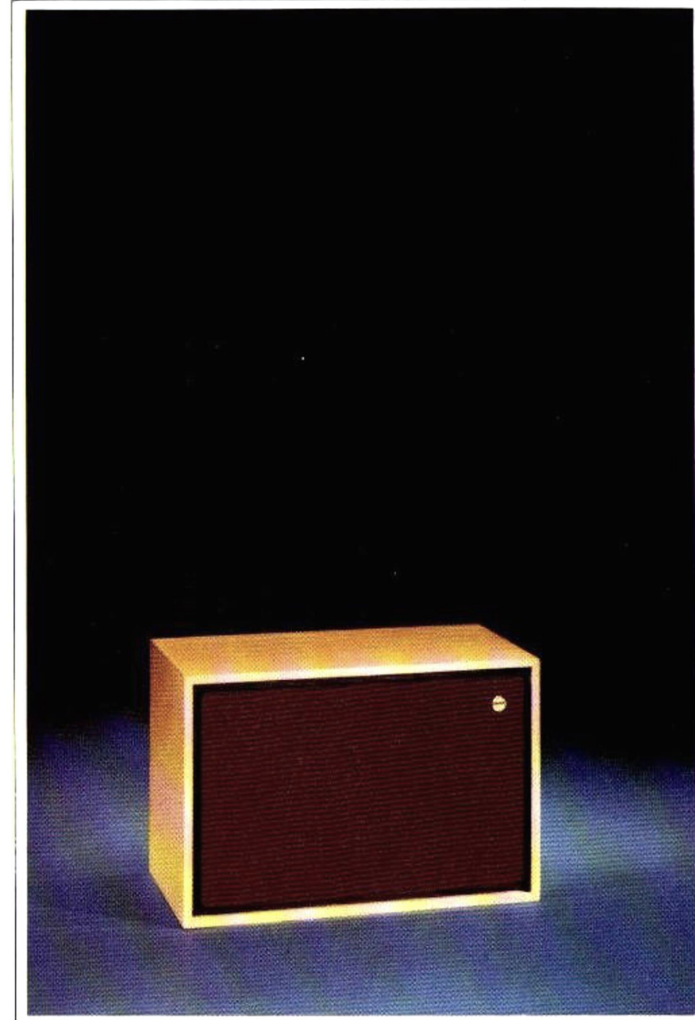
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