



the *Monitor*

HIGH PERFORMANCE DUAL

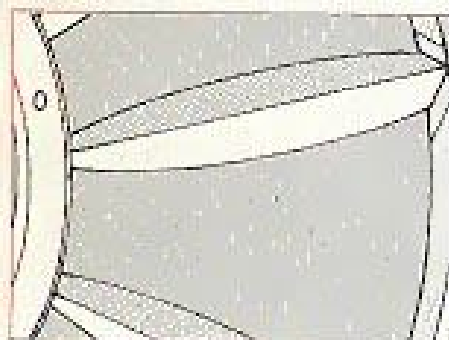
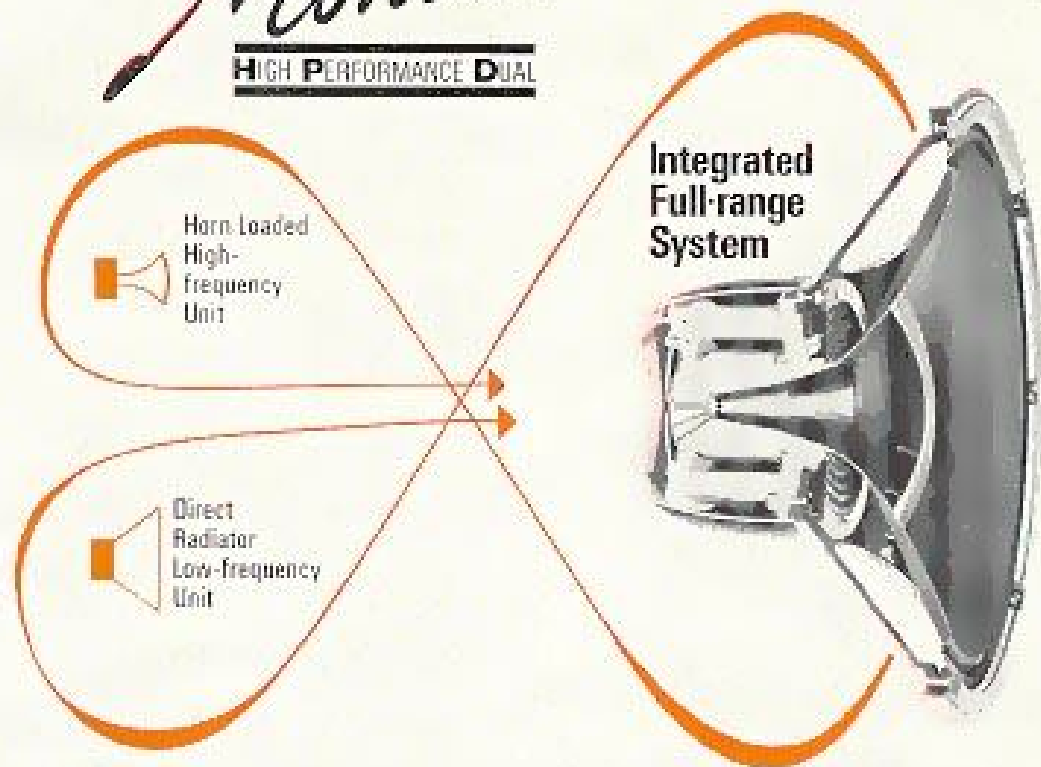


LOUDSPEAKER UNITS AND ENCLOSURES

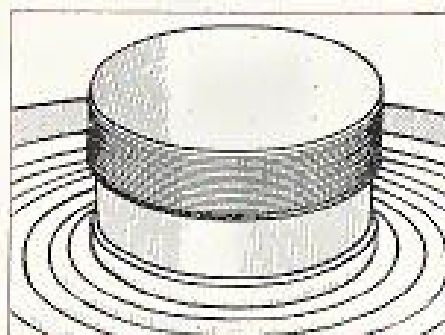
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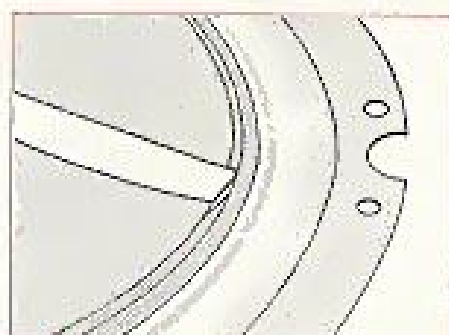
The Monitor H.P.D. represents a further outstanding improvement and refinement of a loudspeaker system which has become regarded as a quality standard over the last 25 years by Recording, Broadcasting and Television Studios throughout the world. There is a very good chance that your favourite records and tapes were monitored on Tannoy Dual Concentric Loudspeakers, and to select these superbly engineered, individually hand assembled speakers for your home music system assures you of the same professional performance. The Tannoy Organisation has been continuously engaged in the manufacture of specialised high quality loudspeakers for nearly 50 years. This unequalled experience, combined with one of the most modern loudspeaker factories in Europe, is your guarantee of satisfaction.



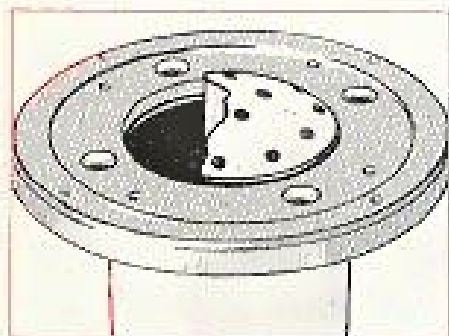
The Girdacoustic Cone improves frequency and transient response, gives much increased power handling capacity and greater mechanical stability.



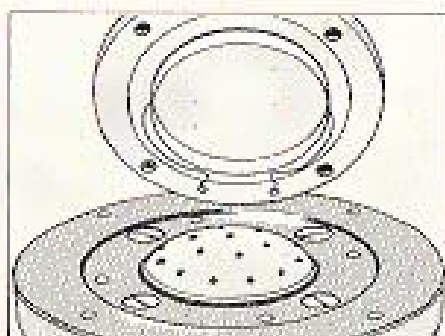
The High Temperature Voice Coil assures absolute climatic stability and great mechanical strength together with much improved power handling capacity.



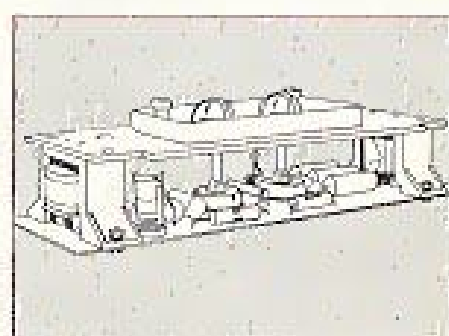
The Tonoplas Surround gives low bass resonance with excellent mechanical stability and freedom from edge reflections.



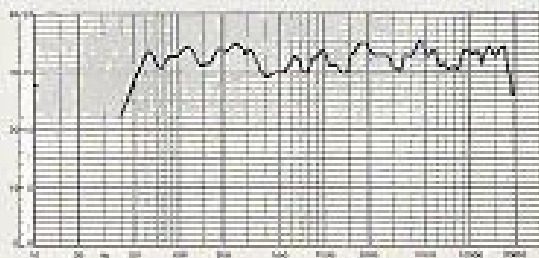
Patented Magnetic Shunt combined with specially treated and selected steel gives maximum magnetic flux in the unique Tannoy twin gap system. Improves sensitivity and damping.



Unique High Frequency Unit with separate diaphragm and voice coil coupled to the horn by a 19 element phase-matching system.



High Power Crossover Unit with solid dielectric condensers throughout, combined with treble energy and roll-off controls.

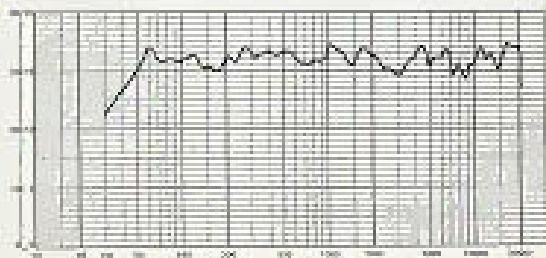


chevening

This ducted port enclosure incorporates the Monitor 295 High Performance Dual Concentric. A very level response combined with high sensitivity and power handling capacity gives this system a performance remarkable for its size. The enclosure is suitable for floor or shelf mounting, being finished on all four sides. The interior is acoustically treated and ported to give the best bass performance, and the unit is front mounted for smooth extended treble.

The construction gives a very rigid assembly free from random leaks and resonances, and is available in Golden Teak or Mid Walnut veneers finished in matt melamine to resist stains etc.

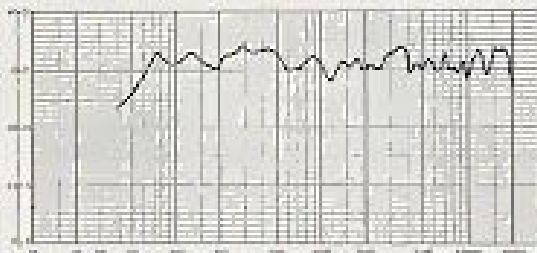
Approximate dimensions 15" high x 23" wide x 10 1/4" deep. (38 x 58.5 x 26cm).



chatsworth

This infinite baffle cabinet incorporates the Monitor 315 High Performance Dual Concentric, 60W power handling capacity in a cabinet occupying only slightly more than one square foot of floor space. Combined with excellent bass response, make this system ideal where performance is important but space is limited. The interior of the cabinet is treated acoustically to ensure a smooth, critically damped, bass response and an acoustically transparent grille cloth ensures a smooth extended treble. The entire assembly is very rigid and free from random leaks, taking full advantage of the Monitor 315 H.P.D. drive unit. The cabinet is available in Golden Teak or Mid Walnut veneers finished with matt melamine lacquer.

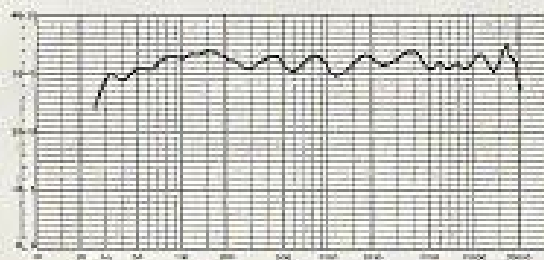
Approximate dimensions 33" high x 15 1/2" wide x 10 1/2" deep (84 x 39.5 x 26cm)



mansfield

This is an infinite baffle enclosure accommodating either the H.P.D. 315 or H.P.D. 385 Monitor Units. Of very rigid construction, the interior surfaces are treated with generous amounts of acoustically selected foam. This enclosure takes full advantage of the performance potential of the H.P.D. 315 and provides a cabinet of moderate size, which when fitted with the H.P.D. 385 has a power handling capacity of 85W. In this form it meets the most stringent professional monitoring standards, and is used by a number of leading recording studios. The cabinet is available in Golden Teak or Mid Walnut veneers finished with matt melamine lacquer. An acoustically transparent grille cloth is used and the cabinet is fitted with a plinth to avoid damage to the cabinet finish. With either unit, the Mansfield provides results of a standard suitable for use with ancillary equipment of the highest specification.

Approximate dimensions 33" high x 21" wide x 12½" deep. (84 x 53.5 x 32cm)



amesbury

The largest enclosure in our standard range designed to accommodate the H.P.D. 385 Monitor Unit. This cabinet has a ducted port, and is of very rigid construction with generous internal damping. The cubic capacity of the enclosure gives a very smooth and extended bass response and this, combined with the high power handling capacity and efficiency of the H.P.D. 385 unit enables high sound levels to be obtained with negligible distortion, together with a wide smooth frequency response. The cabinet is available in Golden Teak or Mid Walnut veneers finished in matt melamine lacquer. An acoustically transparent grille fabric blends well with most furnishing schemes.

Approximate dimensions 42" high x 23½" wide x 15" deep (107.5 x 60 x 38cm).



technical specification

Model	385 (16")	315 (12")	295 (10")
Frequency response	20-20,000 Hz	20-20,000 Hz	22-20,000 Hz
Polar Distribution for 60° Inc. Angle	-1dB at 10,000 Hz	-3dB at 10,000 Hz	-2dB at 10,000 Hz
Power Handling Capacity	85W	60W	50W
Sound pressure @ 1 metre for 1 watt input*	82dB	90-5dB	90-5dB
Impedance via Crossover Network	8Ω (5Ω min)	8Ω (5Ω min)	8Ω (5Ω min)
H.F. Voice Coil Diameter	2in (50.8mm)	2in (50.8mm)	2in (50.8mm)
L.F. Voice Coil Diameter	2in (50.8mm)	2in (50.8mm)	2in (50.8mm)
Intermodulation Products	Less than 2%	Less than 2%	Less than 2%
Bass Resonance	20 Hz	20 Hz	22 Hz
Magnet Assembly Weight	13lb (5.9 kg)	7½lb (3.4 kg)	7½lb (3.4 kg)
Magnet Material	Alcomax 5	Alcomax	Alcomax
Crossover Frequency	1000 Hz	1000 Hz	1000 Hz
Overall Diameter of Frame	15½in (39.73 cm)	12½in (31.43 cm)	12½in (30.57 cm)
Overall Depth	9 in (22.86 cm)	7½in (19.05 cm)	7½in (19.415 cm)
Fixing Holes P.C.D.	14½in (36.83cm)	11½in (29.84 cm)	11 in (27.94 cm)
Crossover Network & Switch Panel Weight	1lb 13oz (.821 kg)	1lb 13oz (.821 kg)	1lb 13oz (.821 kg)
Total Weight in Carton (approx)	31lb (14 kg)	19lb (8.62 kg)	18lb (8.17 kg)
Finish			
Cover	High impact plastic	High impact plastic	High impact plastic
Frame	Stove enamel	Stove enamel	Stove enamel
Magnet Assembly Parts	Cadmium plate	Cadmium plate	Cadmium plate

* In minimum size cabinet in 2000 ft³ (56 m³) room.



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The Monitor H.P.D. crossover network incorporates comprehensive treble response controls. These controls should be adjusted when the loudspeakers are installed in the positions in your listening room which they will finally occupy. The adjustments should be carried out with all of your amplifier tone controls in the level position, since the tone controls on your loudspeakers are intended primarily to compensate for the acoustic characteristics of your listening room, the full range of tone controls on your amplifier being left available to compensate for variations in programme material.

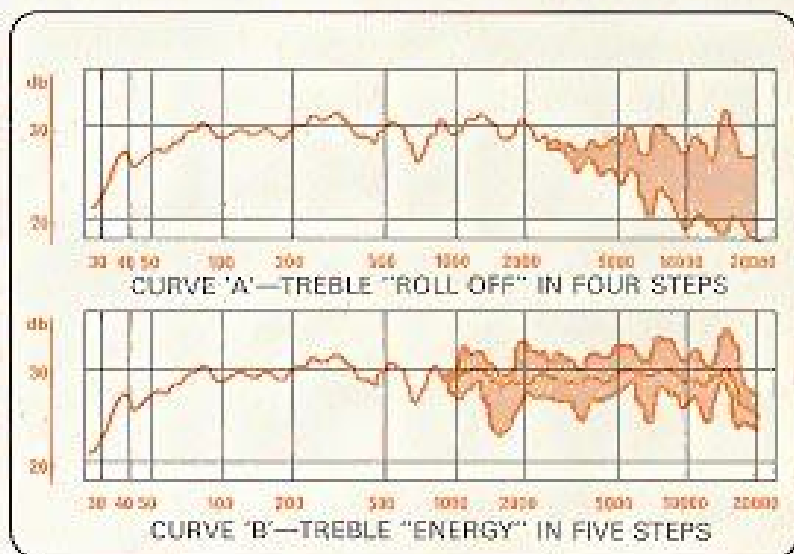
There are two treble tone controls, one labelled "Roll Off" and the other labelled "Energy". The "Roll Off" control is in the level position with the knob turned fully anti-clockwise and it only effects the extreme treble response as shown in curve (A).

The control labelled "Energy" has five positions, the middle one being level; turning it anti-clockwise reduces the treble response while turning it clockwise increases the treble response over the entire band of frequencies covered by the high frequency loudspeaker unit, i.e. all frequencies above 1000 Hz, as shown in curve (B).

While the final setting of these controls is largely dependent upon individual tastes, it will generally be found that rooms which have a tendency to be hard acoustically, i.e. with relatively bare walls, and floors, and not much furnishing, will require the treble response to be reduced, while rooms which are heavily carpeted and curtained will generally require the treble controls to be in the level position or the lift position.

We would stress that this initial adjustment should be made listening to a number of gramophone records and or tapes, and if possible also when listening to good quality live broadcasts.

It is most important that these adjustments should be made to produce the most natural reproduction, and should be made with the amplifier controls in the level position.



TANNOY

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