

---

# TANNOY<sup>®</sup>

---

## EDINBURGH

---



### 12" Dual Concentric Distributed Port Reflex Loudspeaker System

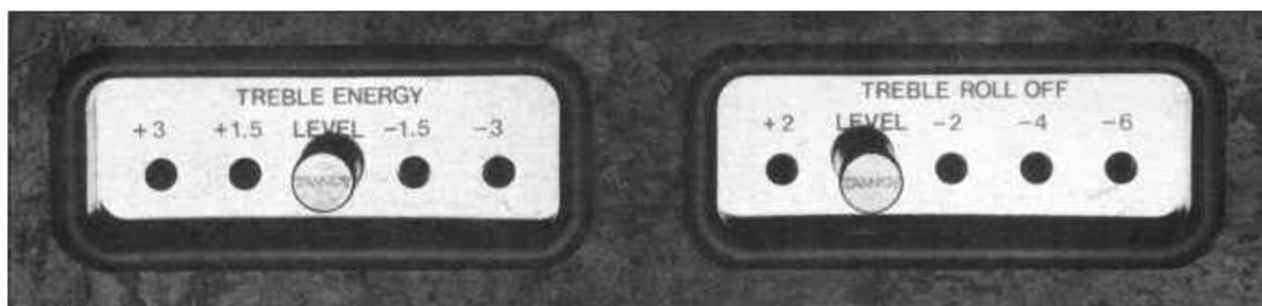
The Edinburgh uses a 12" version of the renowned Tannoy Dual Concentric drive unit, where a high frequency compression driver and direct radiating bass driver are mounted co-axially within the same frame. This construction means that the acoustic sources for both high and low frequencies are on the same axis. In the Edinburgh we provide a further aid to realistic sound, a time compensated hard-wired crossover network with gold plated high current switches that actually aligns the acoustic sources towards a single point in space. This single point sound source eliminates all distortions created by delays in arrival time of different frequencies at the listener – a problem common to most conventional loudspeaker systems. The freedom from arrival time distortion provided by the Edinburgh, especially at those frequencies from which we re-create stereo images, results in a clearer, more accurate reproduction of the original performance.

The unique form of crossover eliminates printed circuit boards and layouts. Further, multiple earth paths have been reduced by common star configurations.

The Edinburgh is a bass reflex system to give extended bass response. Instead of the more usual single port, however, we use a distributed port system. In this system a number of small ports are used whose total air mass is equivalent to one large single port. The smaller cross-sectional area of the individual ports introduces a greater resistance to the movement of this air mass. Careful distributed port design in the Edinburgh matches this air resistance to the total system to give good transient performance with a smooth level extension of bass note reproduction.

The superbly finished cabinet of the Edinburgh uses real wood veneers, solid walnut mouldings and a hand-laid cork finished baffle. The Edinburgh is a loudspeaker whose looks are as impressive as the quality it gives to recorded music.

---



Hard-wired Crossover

## Technical Specifications

Power rating	100W RMS, 350W peak
Amp rating	50 to 180W RMS per channel, 8 ohms.
Sensitivity	92dB for 1 watt at 1 metre
Maximum SPL	112dB at 1m for 100W 117dB at 1m for 350W peak
Impedance	8 ohms Nominal 5.5 ohms Minimum
Frequency vs SPL ( $\pm 3$ dB)	30Hz – 20kHz
Phase response	System behaves substantially as a frequency independent time delay
Dispersion	90° incl. ang. hor. + vert. at –6dB at 10kHz
Crossover frequency	1.2kHz
Crossover controls	<i>Treble Energy</i> Shelving $\pm 3$ dB over 1kHz – 20kHz <i>Treble Roll-off</i> Slope $\pm 3$ dB to –6dB per octave over 5kHz – 20kHz
Crossover type	Passive, low loss, time comp. type 1079, hard wired
Driver type	Dual Concentric. med. compliance type 3149
<b>LOW FREQUENCY DIRECT RADIATOR</b>	
Nominal diameter	305mm, 12 inch
Voice coil diameter	52mm, 2 inch
Free air resonance	38Hz
Total Q	0.41
<b>HIGH FREQUENCY COMPRESSION DRIVER</b>	
Diaphragm diameter	51mm, 2 inch
Voice coil diameter	51mm, 2 inch
Horn lower cut off freq.	250Hz
Distortion	<3.5% third harm. at ½ power, 100Hz – 20kHz For 85dB SPL, <0.5% third harm., 50Hz – 20kHz
Enclosure type	Distributed port reflex
Cabinet construction	Solid walnut with 18mm particle board
Finish	Real walnut veneers Solid walnut edgings Baffle finished in hand-laid cork
Grille	Specially woven acoustically transparent cloth over wooden frame with lock and key fixing
Cabinet internal volume	200 litre
Cabinet dimensions (h x w x d)	1020 x 660 x 420mm (40" x 26" x 16.5")
Cabinet weight	44kg complete (96.8 lb)
Packed dimensions (h x w x d)	1179 x 708 x 468mm (46.4" x 27.9" x 18.4")
Packed weight	54kg (118.8 lb)

Due to our policy of continuous improvement, we reserve the right to change specifications without notice.

# TANNOY®

Designed and Manufactured in Great Britain by

## Tannoy Ltd

The Bilton Centre, Coronation Road, Cressex Industrial Estate,  
High Wycombe, Buckinghamshire HP12 3SB  
Telephone: 0494 450606 Telex: 83251 TANNOY G. Telefax: 0494 37431