

TANNOY®

DC 4000

DC 6000



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Ideally, a loudspeaker should have only one drive unit, producing both high and low frequencies.

This is, however, impractical as the reproduction of different frequencies ideally requires drive units of different physical and electrical characteristics. The Tannoy Dual Concentric, however, takes a major step towards the theoretical ideal by having physically different drive units within the same chassis.

High frequencies are reproduced by a compression driver, which is mounted behind the centre of the cone of the mid/low frequency driver. Both drivers are engineered to accept wide ranging power levels, using high temperature coil designs, and are capable of very wide dynamic range reproduction.

The result of the "2-Speakers-in-One" is that the source of sound at high frequencies and the source of sound at low frequencies are on the same axis. A time delay crossover

ensures that the high and low frequencies are aligned towards one point on that axis.

The Tannoy Dual Concentric philosophy is, therefore, a simple point sound source loudspeaker system which eliminates unnatural time delays.

The DC4000 and DC6000 are the latest in the Tannoy range of loudspeakers to use the Dual Concentric.

The DC4000 uses the 12" Tannoy Dual Concentric drive unit and the larger DC6000 uses the 15" Dual Concentric.

Both loudspeakers are available in a choice of either black oak or oiled walnut real wood veneers.

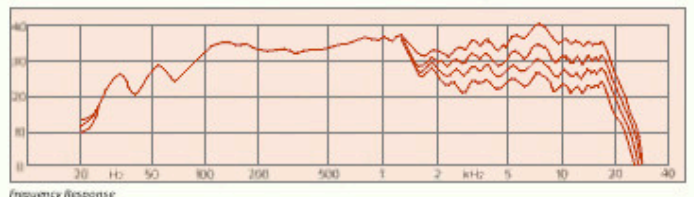
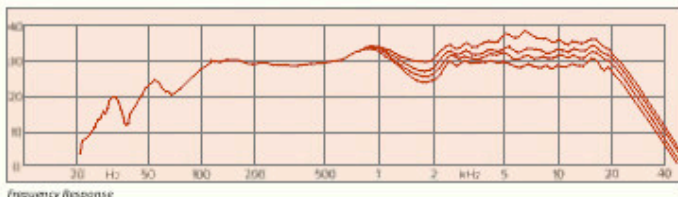
With high power handling, accuracy and efficiency, the DC4000 and DC6000 are fully capable of giving optimum sound reproduction from high quality audio systems, and can thus faithfully reproduce instruments and vocals to bring a new realism to the medium of recorded music.

Technical Specification

	DC 4000
Recommended Amplifier Power* (RMS per channel into 8 ohms)	10 to 200 watts
Peak Input Power	350 watts
Impedance: Nominal	8 ohms
Minimum	6 ohms
Sensitivity (for 2.8v in @ 1 metre)	92dB
Frequency Response	49Hz to 20kHz \pm 3.5dB
Phase Response	110Hz to 10kHz \pm 35°
Dispersion ((α) - 6dB points)	90° conical
Crossover Frequency	1.4kHz
Crossover Type	Hardwired first & overdamped second order networks with parallel impedance compensation
Crossover Control	Constant impedance 1.5kHz-20kHz
Distortion (for 90dB @ 1m)	Less than 1% 100Hz to 10kHz
Bass Loading	Single ducted port
Internal Volume	46.6 litres
Cabinet Material	18mm and 25mm MDF (Manufactured Timber Product)
Cabinet Finish	Black oak or oiled walnut
Grille Construction	Acoustic cloth over timber frame
Dimensions	mm 624H x 410W x 281.5D inches 24.5 x 16.1 x 11.1
Weight	22Kg (48.5lb)
Packed Dimensions	mm 790 x 430 x 325 inches 31.1 x 17 x 12.8
Packed Weight	25Kg (55lb)
Packed Volume	0.12 Cu m

	DC 6000
Recommended Amplifier Power* (RMS per channel into 8 ohms)	10 to 300 watts
Peak Input Power	500 watts
Impedance: Nominal	8 ohms
Minimum	6 ohms
Sensitivity (for 2.8v in @ 1 metre)	94dB
Frequency Response	45Hz to 20kHz \pm 3dB
Phase Response	100Hz to 10kHz \pm 30°
Dispersion ((α) - 6dB points)	90° conical
Crossover Frequency	1kHz
Crossover Type	Hardwired first & overdamped second order networks with parallel impedance compensation
Crossover Control	Constant impedance 12.5kHz-20kHz
Distortion (for 90dB @ 1m)	Less than 1% 100Hz to 10kHz
Bass Loading	Single ducted port
Internal Volume	109.7 litres
Cabinet Material	18mm and 25mm MDF (Manufactured Timber Product)
Cabinet Finish	Black oak or oiled walnut
Grille Construction	Acoustic cloth over timber frame. Detachable
Dimensions	mm 760H x 500W x 392D inches 30 x 19.7 x 15.5
Weight	35Kg (77lb)
Packed Dimensions	mm 915 x 530 x 450 inches 36 x 21 x 18
Packed Weight	39Kg (85.8lb)
Packed Volume	0.23 Cu m

* The Peak power capability of all Tannoy loudspeakers will allow higher amplifier powers to be used with wide dynamic range material. Care must be taken, however to avoid conditions such as switch on surges and amplifier overloading or "clipping" which may result in momentary peaks of power greatly in excess of the specified ratings.



All Tannoy products are manufactured in Great Britain by:

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