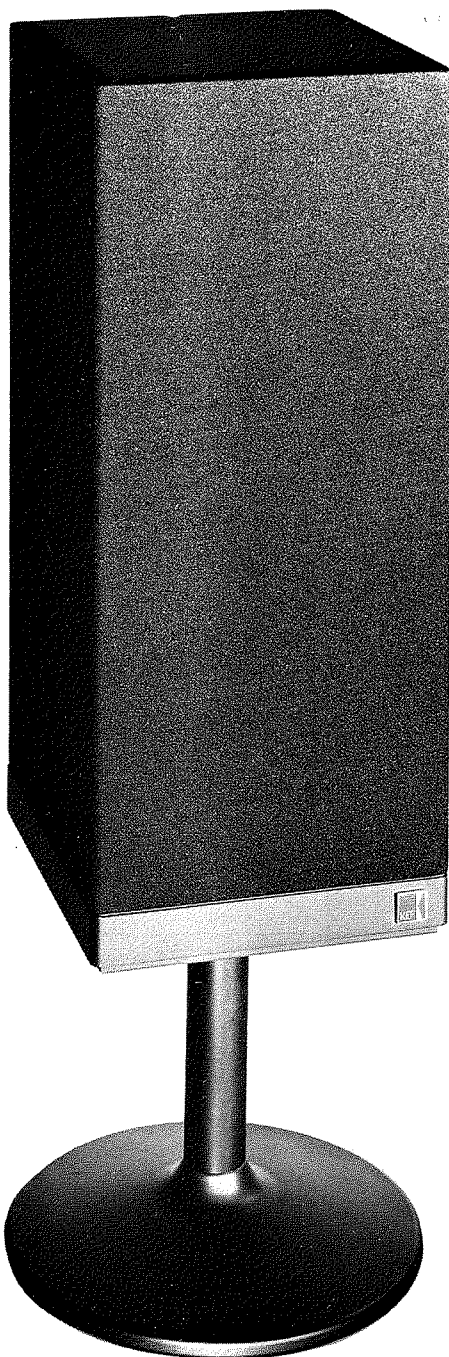


KEF

MODEL 304

ADVANCE TECHNICAL DATA



The new KEF MODEL 304 is a compact free standing system fitted with two 200mm bass units and a 25mm soft dome HF unit.

The drive units are mounted on the baffle in a vertical line. A novel crossover network allows both bass drive units to operate in parallel at low frequencies, whilst in the middle frequencies the input to the lower unit is progressively attenuated so that only one 200mm unit is radiating at the upper crossover frequency.

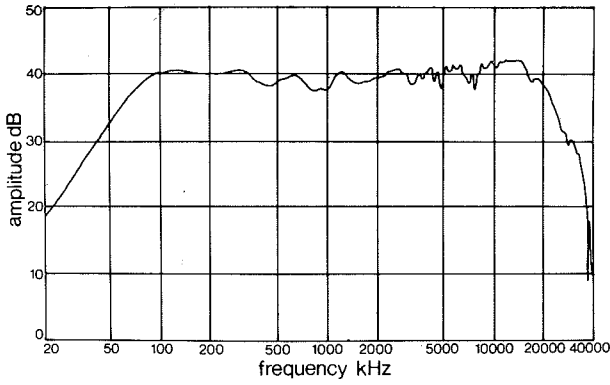
This arrangement provides maximum power handling capacity and efficiency at low frequencies and the optimum vertical polar characteristics in the crossover region, to provide a stable stereo image over a large listening area.

An optional stand (ULS2) raises the system to the optimum height for listening, and minimises the colouration due to floor reflections.

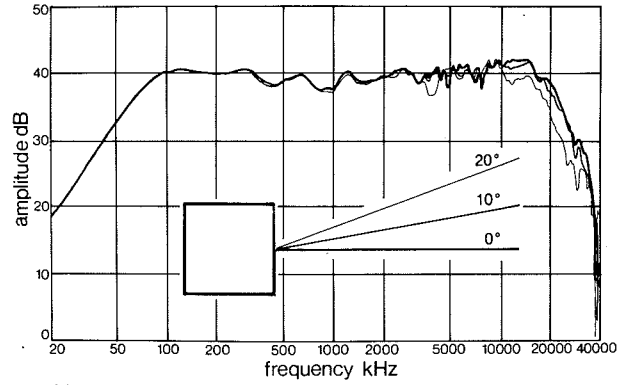
Specification

Dimensions	680 x 280 x 315mm
Weight	Net: 14kg each Gross: 30kg (per pair including packing)
Colour	Plinth: Satin Black Fabric Grille: Black
Enclosure Type	Closed Box
Internal Volume	38 litres
Resonance Frequency	68Hz
Total System Q	0.8
Nominal Impedance	8 ohms
Minimum Amplifier Requirements	10W
Programme Rating	100W
Maximum Continuous Sinusoidal Input	28V rms from 60Hz to 2kHz reducing to 10V rms from 2.5kHz to 20kHz
Characteristic Sensitivity Level	87dB spl at 1m on measuring axis for pink noise input of 1W
Maximum Output	107dB spl on programme peaks under typical listening conditions
Frequency Range	60Hz to 20kHz ± 3 dB at 2m on measuring axis (-10 dB at 40Hz and 25kHz)
Directional Characteristics	Horizontal: within ± 2 dB of axial response up to 10kHz for $\pm 20^\circ$ Vertical: within ± 2 dB of axial response up to 20kHz for $\pm 5^\circ$
Distortion	Second Harmonic: less than 2% from 20Hz to 80Hz less than 1% from 80Hz to 20kHz Third Harmonic: less than 1% from 20Hz to 20kHz Measured at 1m on measuring axis at mean spl of 90dB, anechoic conditions

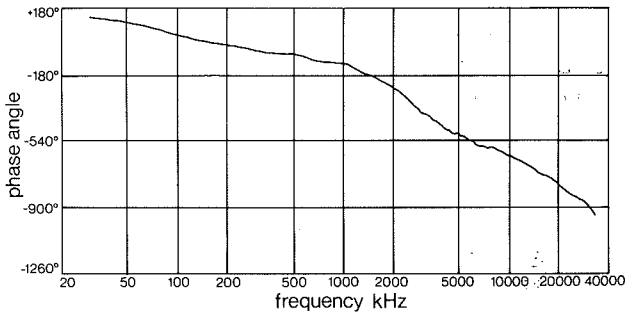




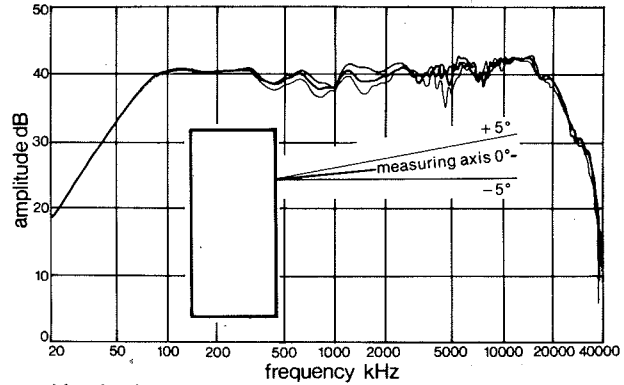
Amplitude frequency characteristic



Horizontal



Phase frequency characteristic

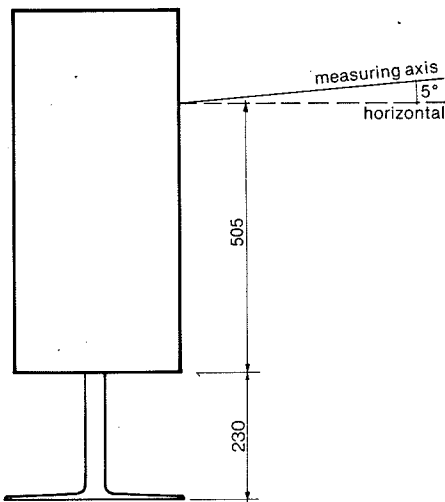


Vertical

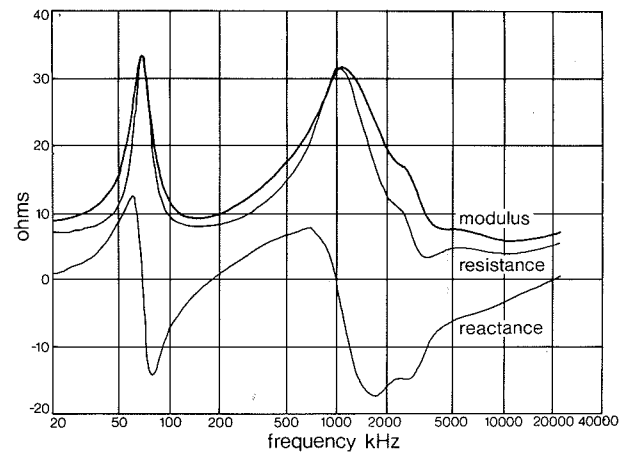
Effective free field response measured at 2m on the measuring axis using digital processing techniques.

Directional Characteristics

Effective free field response measured at 2m at various angles in the horizontal and vertical planes.



Definition of measuring (listening) axis.



Impedance characteristics.

The modulus has a minimum of 6ohms at 10kHz.

