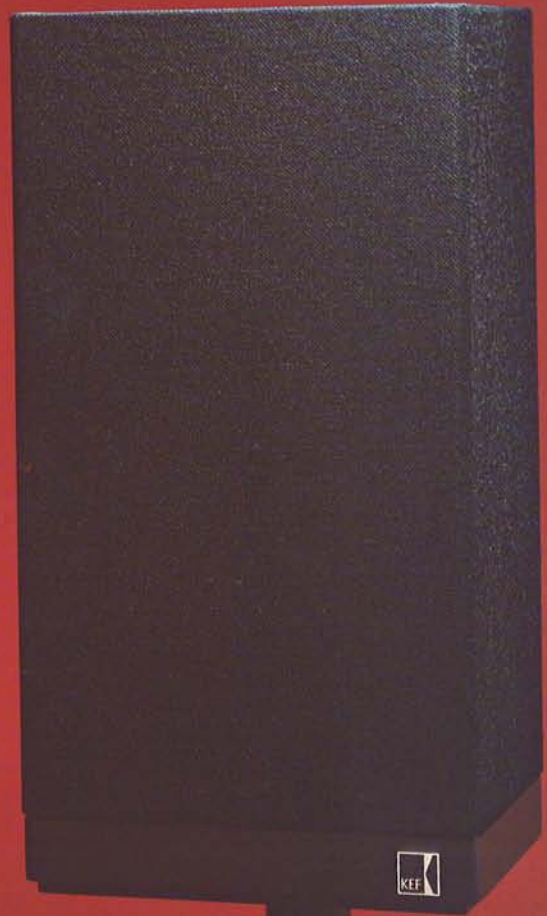


KEF CONCORD III



KEF CELESTE III

KEF loudspeakers are known throughout the world for advanced engineering, precision manufacture, functional modern styling and, above all, for their outstanding quality of sound reproduction.

These two loudspeakers, the KEF Celeste III and the KEF Concord III, have been designed for use with music centres and amplifiers with power output as little as 10 watts per channel, but can safely be used with larger amplifiers to give surprisingly loud volume, without any sacrifice of the tonal quality for which KEF is famous.

In their development, the new models have benefited both from KEF's unique experience in drive unit, crossover and cabinet design, and also from KEF's total design concept and digital evaluation techniques.

The best musical quality and most realistic stereo effects are obtained when the listener receives sound directly from the loudspeaker without unwanted colouration caused by reflections from walls and the ceiling. The KEF Celeste III and KEF Concord III have been designed to give the best possible reception for listeners in a normal sitting position. Detailed laboratory evaluation and extensive listening tests have shown how this design concept can significantly improve sound reproduction and so add to musical enjoyment.

The Listening Room at KEF is of a specially constructed design to minimise room effects and allow listeners to concentrate on actual speaker performance. As well as the most up-to-date digital analysis

equipment in the laboratory, KEF places great emphasis, at all stages of loudspeaker design, on listening tests conducted with people who are experienced in considering all aspects of loudspeaker performance.





KEF Celeste III, on optional stand ULS 1.

## KEF CELESTE III

An entirely new loudspeaker system, giving remarkably accurate sound reproduction from a compact cabinet.

Following KEF's total design concept, two new drive units were developed specifically for the KEF Celeste III enclosure, and a sophisticated filter network was prepared to optimise the performance of the complete system.

The KEF Celeste III generates all the volume needed to fill a generous sized domestic room from an amplifier output as low as 10 watts per channel, but can also be safely used with larger amplifiers to give loud volume without sacrificing the tonal quality.

Speaker height is an important factor and for the best results, the KEF Celeste III should be placed on a non-resonant stand or shelf, between 40 and 100 cms. high. A suitable floor stand, type ULS I, is available from KEF as an accessory.

## KEF CONCORD III

Similar in concept to the KEF Celeste III, the KEF Concord III has a larger cabinet (38 litres), and combines a tweeter with two bass drivers to give better bass response.

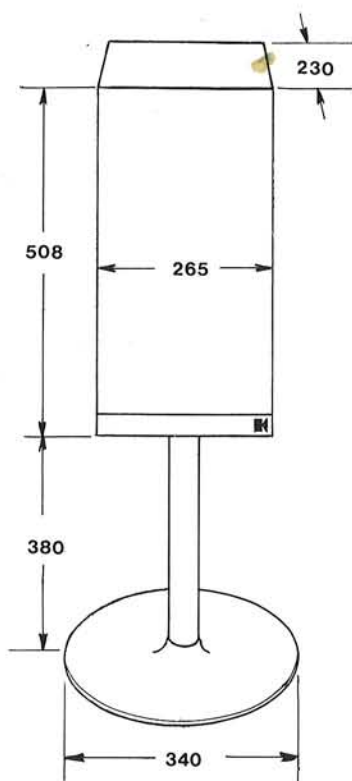
A pair of identical 200 mm bass drivers are operated vertically in line at low frequencies. This arrangement improves power handling and reduces distortion at low frequencies. The response of the lower unit is progressively reduced as the frequency rises so that only the upper unit is radiating in the crossover region. By this means, it is possible to retain the advantage of twin drivers at the low end of the range without the phase interference effects usually associated with multiple drive units.

KEF Concord III is designed to be placed at a minimum height of 23 cms from the floor, and the optional stand, ULS 2 is recommended to give best performance for seated listeners.



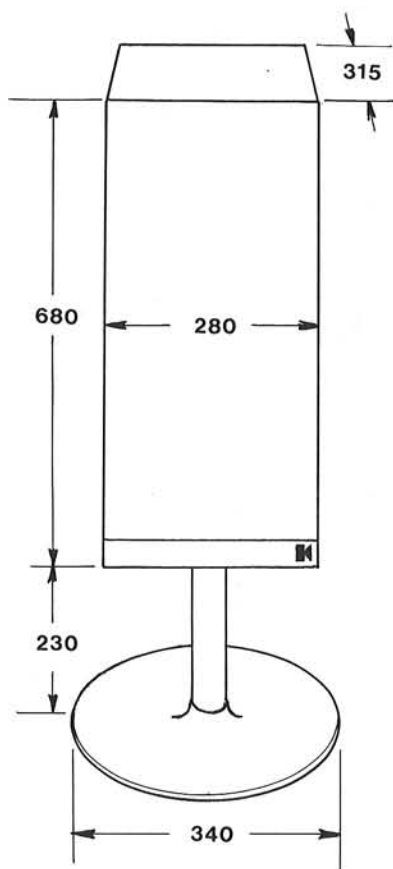
KEF Concord III, on optional stand ULS 2.

## KEF CELESTE III



Dimensions	508 x 265 x 230 mm
Weight	Net: 8.1 kg each. Gross: 18.4 kg (per pair including packing)
Colour	Plinth: Satin Black. Fabric Grille: Black
Enclosed Type	Closed Box
Internal Volume	17 litres
Resonance Frequency	68 Hz
Total System Q	0.7
Nominal Impedance	8 ohms
Minimum Amplifier	10W
Requirements	
Programme Rating	50W
Maximum Continuous Sinusoidal Input	20V rms from 20 Hz to 2 kHz reducing to 10V rms from 2.5 kHz to 20 kHz
Characteristic	86 dB spl at 1 m on measuring axis for pink noise
Sensitivity Level	input of 1 W
Maximum Output	103 dB spl on programme peaks under typical listening conditions
Frequency Range	70 Hz to 20 kHz $\pm 3$ dB at 2 m on measuring axis ( $-10$ dB at 50 Hz and 25 kHz)
Directional Characteristics	Horizontal: within $\pm 2$ dB of axial response up to 10 kHz for $\pm 20^\circ$ Vertical: within $\pm 2$ dB for axial response up to 20 kHz for $\pm 5^\circ$
Distortion	Second Harmonic: less than 2% from 20 Hz to 150 Hz less than 1% from 150 Hz to 20 kHz Third Harmonic: less than 2% from 20 Hz to 50 Hz less than 1% from 50 Hz to 20 kHz Measured at 1 m on measuring axis at mean spl of 90 dB, anechoic conditions.

## KEF CONCORD III



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



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KEF reserve the right to incorporate developments and amend the specification without prior notice, in line with continuous research and product improvement.

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