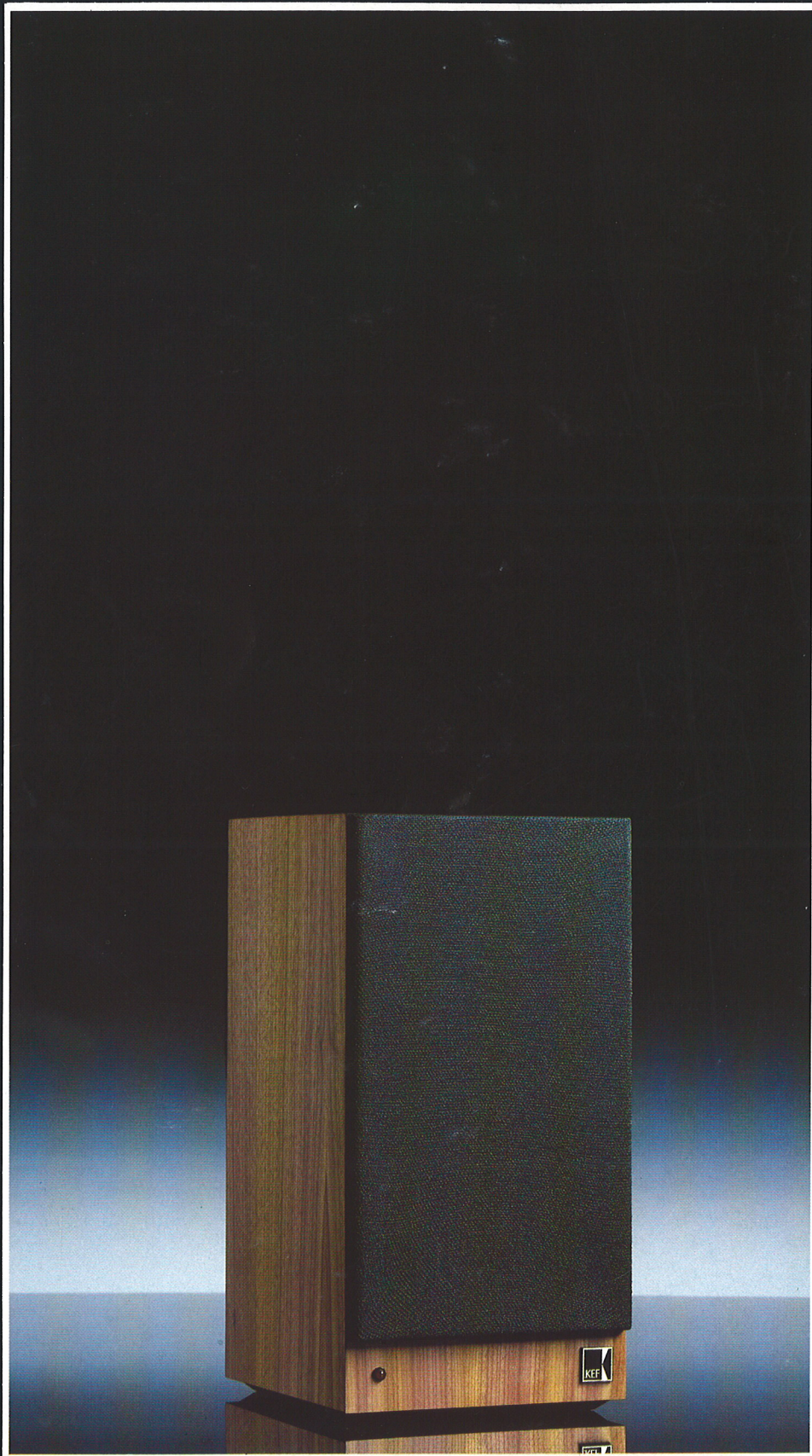


KEF REFERENCE SERIES MODEL 101



MODEL 101 is a truly outstanding product of modern loudspeaker technology. Although small in overall dimensions (34 × 18 × 19cms) and simple in appearance, MODEL 101 contains one of the most advanced sound reproduction systems ever developed and achieves a standard of acoustic performance superior to that of many for larger loudspeakers.

MODEL 101 is a loudspeaker of Reference quality which will satisfy the professional user and enthusiast whose amplifier and related equipment are of the highest standard, but who require small, unobtrusive loudspeakers.

MODEL 101 FEATURES

- Flat frequency response to 90Hz (-10dB at 47Hz)
- Two way system with minimum interunit time delay
- Pairing of systems guarantees sensitivity and frequency response match to within 0.5dB
- Fully protected against fault conditions when used with amplifiers up to 100 Watts
- Electronic protection - S-STOP protects against overload and fault conditions

MODEL 101 BENEFITS

MODEL 101 offers many advantages over larger models where space is restricted as the systems are easily located to give excellent tonal balance and sharp, clear stereo images. Novel and precise production methods guarantee the frequency response within fine limits resulting in stereo reproduction of outstanding perspective and sharpness.



KEF REFERENCE SERIES MODEL 101

The laws of physics dictate that a small enclosure must either give less bass or have lower efficiency. To achieve a balance of response in the design of MODEL 101, KEF use a tonal system design approach so that the drive units, filter networks and enclosures are developed together to achieve the broadest band width with the optimum efficiency.

The close tolerances needed to realise the full potential of the design are maintained in production by a unique matching procedure so that every pair of MODEL 101's is matched in frequency response to within 1dB of the original laboratory prototypes.

The widespread use of high powered amplifiers which can deliver the full dynamic range captured with modern recording techniques, has made it necessary to protect loudspeakers against accidental overload. In MODEL 101 a self-powered electronic circuit called S-STOP, protects the loudspeaker from the effects of overload and automatically re-connects the full input signal to the system only when the overload is removed.

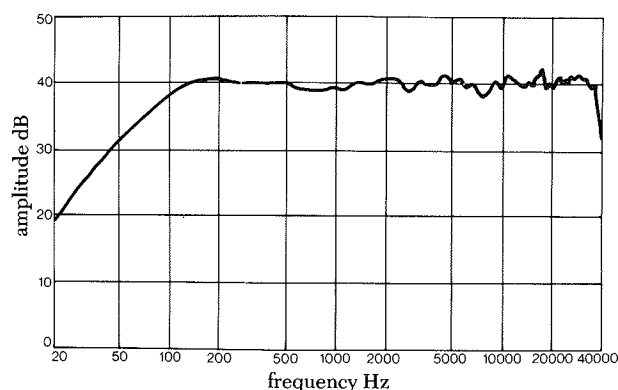
To allow the sound to reach the listener directly without troublesome reflections from walls, floor or ceiling the drive units are arranged within the 7 litre enclosure so that the full frequency response is enjoyed when the loudspeakers are positioned approximately 75mm from the floor.

An optional stand, the ULS 20, allows the speaker to be conveniently and elegantly converted to a free standing system.

SPECIFICATION

Frequency range	90Hz to 30kHz ± 2 dB at 2m on measuring axis (-10 dB at 47Hz and 40kHz)
Directional characteristics	Horizontal: within ± 2 dB of axial response up to 20kHz for $\pm 20^\circ$ Vertical: within ± 2 dB of axial response up to 20kHz for $\pm 5^\circ$
Maximum output	100dB spl on programme peaks under typical listening conditions
Characteristic sensitivity level	81dB spl at 1m on measuring axis for pink noise input of 1W
Distortion	Second harmonic less than 1% from 120Hz to 20kHz Third harmonic less than 1% from 70Hz to 20kHz Measured at 1m on measuring axis at mean spl of 90dB, anechoic conditions
Enclosure type	Closed box
Programme rating	100W
Power handling capacity	System protected against fault conditions when used with any amplifier up to 100W
Minimum amplifier requirements	20W into 8 ohms
Nominal impedance	8 ohms
Dimensions	340 \times 180 \times 190mm
Weight	5.6kg net each (12.5kg packed per pair)
Internal volume	6.7 litres
Finishes	Choice of walnut, teak, rosewood and black ash veneers with black grille fabric

Amplitude frequency characteristic



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KEF reserve the right to incorporate developments and amend the specifications without prior notice, in line with continuous research and development.

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