

# QUAD

Electrostatic  
loudspeaker





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## Electrostatic loudspeaker

First introduced some twenty years ago, the world's first commercial full range electrostatic loudspeaker remains the standard by which all others are judged.

Using closely coupled moving elements some two hundred times lighter than the diaphragms of moving coil loudspeakers and being entirely free of cabinet resonances and colouration, this loudspeaker overcomes the usual major problems of loudspeaker design and provides remarkably natural reproduction of sound. This explains why the Quad electrostatic loudspeaker is used by broadcasting and recording organisations all over the world, in applications where quality is of prime importance, and as a standard of reference by the majority of loudspeaker manufacturers.

There is no known method of expressing the performance of a loudspeaker in meaningful terms. Impressive specifications and curves are no substitute for a listening test and a comparative demonstration using music and speech material is strongly recommended.

The speaker is enclosed within expanded metal grilles with polished wood end frames and feet and is suitable for use under normal domestic living conditions throughout the world. It is designed for use in rooms up to 140 cubic metres.

It is essential for both performance and reliability that this loudspeaker be used only with a Quad amplifier or one especially designed for this type of loudspeaker.

### Quad Electrostatic Loudspeaker Specification

**Maximum Output:** 2 metres on axis in free space 93dB referred to 0.0002 dynes/cm<sup>2</sup> in frequency range 50Hz–10kHz. 100dB referred to 0.0002 dynes/cm<sup>2</sup> in range 70Hz–7kHz.

**Bandwidth:** 45Hz–18kHz. Rate of attenuation asymptotic to 18dB/8ve.

**Dispersion:** Approximately 70° horizontal, 15° vertical.

**Impedance:** 30–15 ohm in range 40Hz–8kHz falling above 8kHz.

**AC Voltage:** 100–120 or 200–250 volts. 50–60Hz.

**Front Grille:** Expanded aluminium, bronze or black.

**Weight:** Net 18Kg.

**Dimensions:** Width 880mm; Height 790mm; Depth 270mm.

**QUAD** for the closest approach  
to the original sound

The Acoustical Manufacturing Co.  
Ltd., Huntingdon, England.



QUAD is a registered trade mark.