



Loudspeakers FOR STUDIO MONITORING

A COMPREHENSIVE series of loudspeakers is available which covers the whole range of sound broadcasting studio, concert-hall or small-room reproduction applications, including stereophony. All models are designed and manufactured for Marconi's by specialist manufacturers.

The series comprises several types of free-standing and wall-mounting enclosures in various finishes, which may be supplied with or without internal amplifier. Very high quality loudspeaker units are fitted, and the acoustic design of the enclosure enables them to work at maximum efficiency with an extended smooth bass response consistent with the capacity of the enclosure.

Air column and panel resonance is adequately damped by a packing of special mineral wool, with additional coverings of thick felt, this being the most efficient way of treating the inside of an enclosure.

Weight is of some guidance in assessing the overall efficiency and all models are of very heavy construction.

A semi-plastic material, of neutral colour, is used for speaker coverage, and has no audible effect on reproduction.

Internally the enclosure is made in two sections, the centre shelf forming an 'acoustic filter'.

The '/AS' and '/WAS' units listed in the Data Summary are fitted with a Marconi-Leak Amplifier Type TL12+. This will accept a zero-level input from a 600-ohm line and has an input impedance of 10 kilohms. The amplifier is fitted with a gain control.

Data Summary

There are fourteen enclosure configurations at present available, free-standing and wall-mounting.

| Free-standing | Wall-mounting | Contains |
|---------------|---------------|---|
| LE1/AS | LE1/WAS | 15-in. Tannoy dual-concentric loud-speaker, and TL12+ Amplifier. |
| LE2/AS | LE2/WAS | 12-in. Vitavox dual-concentric loud-speaker, and TL12+ Amplifier. |
| LE3/AS | LE3/WAS | |
| LE1/S | LE1/WS | 15-in. Tannoy dual concentric loud-speaker only, power handling capacity 25 W. |
| LE2/S | LE2/WS | 12-in. Vitavox dual-concentric loud-speaker only, power handling capacity 15 W. |
| LE3/S | LE3/WS | |
| LE4/S | LE4/WS | 12-in. Celestion loudspeaker only, power handling capacity 10 W. |

Dimensions:

| Type | Height | Width | Depth |
|------------------|--------------------|--------------------|--------------------|
| LE1/AS and LE1/S | 44 in. (112 cm) | 24 in. (61 cm) | 17.5 in. (44.5 cm) |
| LE2/AS and LE2/S | 37.5 in. (95.3 cm) | 22 in. (56 cm) | 16 in. (40.6 cm) |
| LE3/AS and LE3/S | 32.5 in. (82.5 cm) | 20 in. (50.8 cm) | 13 in. (33 cm) |
| LE4/S | 27.5 in. (70 cm) | 17.5 in. (44.5 cm) | 12.25 in. (31 cm) |



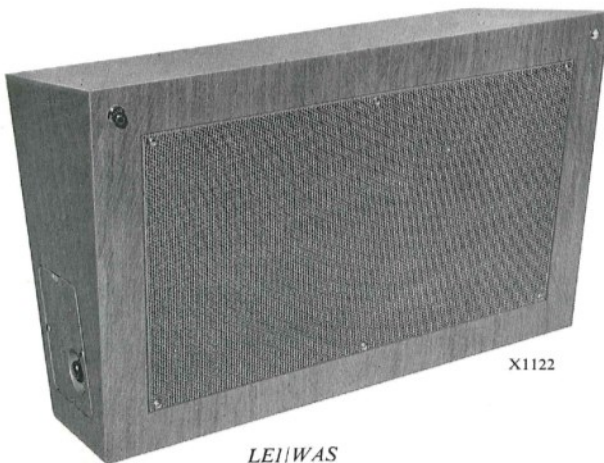
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LE2/AS

| Type | Height | Width | Depth | |
|--------------------|--------------------|--------------------|------------------|------------------|
| | | | Top | Bottom |
| LE1/WAS and LE1/WS | 44 in. (112 cm) | 24 in. (61 cm) | 18 in. (46 cm) | 14 in. (35.6 cm) |
| LE2/WAS and LE2/WS | 37.5 in. (95.3 cm) | 22 in. (56 cm) | 17 in. (43.2 cm) | 14 in. (35.6 cm) |
| LE3/WAS and LE3/WS | 32.5 in. (82.5 cm) | 20 in. (50.8 cm) | 14 in. (35.6 cm) | 9 in. (23 cm) |
| LE4/WS | 27.5 in. (70 cm) | 17.5 in. (44.5 cm) | 13 in. (33 cm) | 9 in. (23 cm) |

Weights (Approximate)

| | |
|--------------------|------------------|
| LE1/S and LE1/WS | 110 lb (49.9 kg) |
| LE1/AS and LE1/WAS | 125 lb (56.8 kg) |
| LE2/S and LE2/WS | 90 lb (40.8 kg) |
| LE2/AS and LE2/WAS | 105 lb (47.7 kg) |
| LE3/S and LE3/WS | 70 lb (31.8 kg) |
| LE3/AS and LE3/WAS | 85 lb (38.6 kg) |
| LE4/S and LE4/WS | 60 lb (27.2 kg) |



X1122

LE1/WAS

Marconi

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