

The 'active-line' principle of loudspeaker loading was an invention of IMF ELECTRONICS to overcome the impossibility of retaining a full passive transmission-line within smaller enclosures. An additional sub-woofer is fitted at the end of the line to enhance low frequency efficiency. This extra bass unit is electrically driven via the crossover and is of dissimilar but interrelated resonance to the upper bass unit and to the length of line. This arrangement, as has been employed in our ALS 40 loudspeakers, is now incorporated in an extra new model: the active-line ALS 30.

Being yet smaller in size, uniquely braced bextrene bass units are complimented by a separately terminated plastic midrange unit and wide dispersion soft dome tweeter. Importantly the secondary advantage of the ALS lies in increased power handling, especially at very low frequencies since each bass unit provides a termination for the other. The ALS 30 owes much to the proven principle of the active-line.

Supplied, as our other loudspeakers, in matched mirror-image pairs, performance well justifies their complexity. Despite such small dimensions, they are worthy of the very best ancillary equipment.

active-line loudspeakers

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SPECIFICATION

Drive Units: 6½" (16.5 cm) ribbed bextrene bass unit with
6½" (16.5 cm) ribbed bextrene sub-bass unit,
4" (10 cm) bextrene midrange with domed
tweeter.

Crossover: Electrical Four-way at 250 Hz, 450 Hz and
3.5kHz.

Frequency Range: 29Hz to 20kHz.

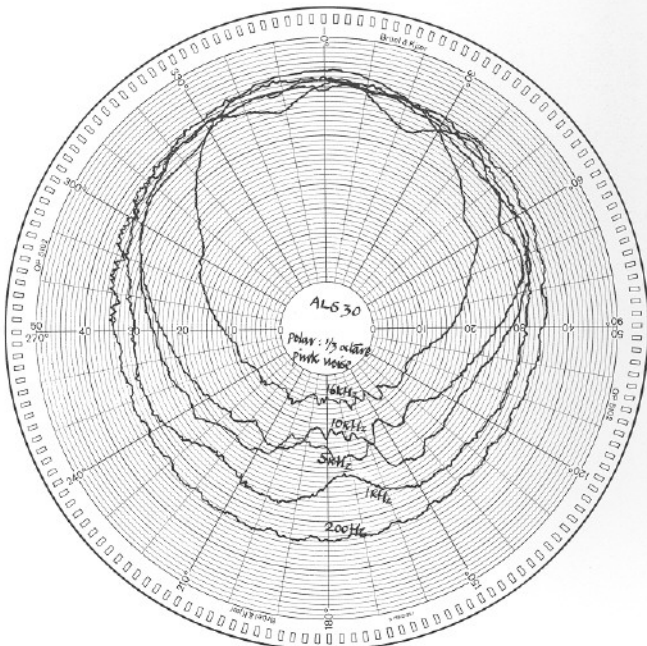
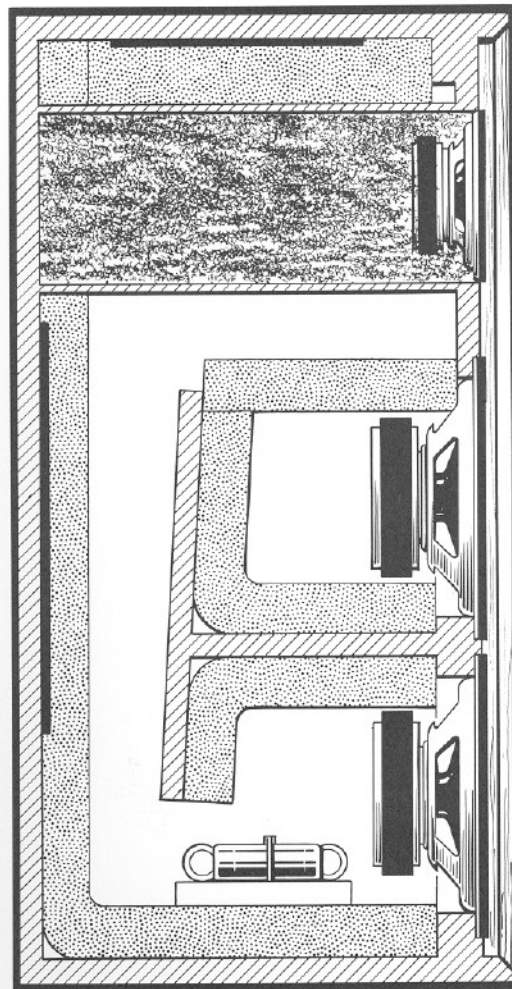
Matching Impedance: 8 ohms.

Efficiency via pink noise at 1 metre for 40 watts: 99dB.

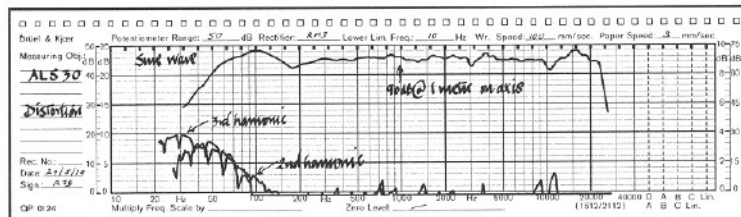
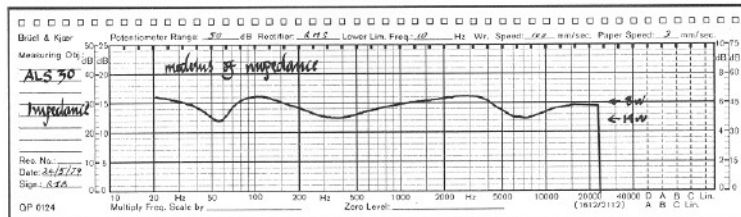
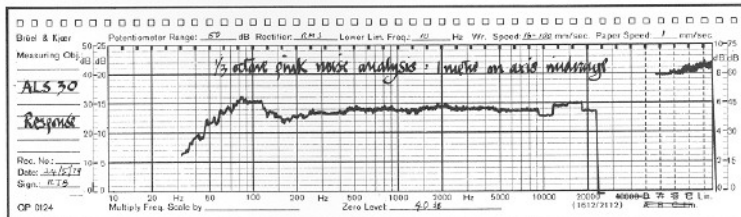
Driving Power Requirements: 25 to 50 watts.

Dimensions: 22¾" (56.8 cm) x 11" (28 cm) x 11¾"
(30 cm) wide.

Nett Weight: 16 Kgs each. **Gross Weight:** 38 Kgs a pair.



Conditions of test: Measurements of samples taken under anechoic conditions with reflection coefficient better than 0.1. Equipment employed B & K pen recorder, noise and signal generator, third octave filters and polar turntable.



Subject to alteration without notice