

# IMF TLS80

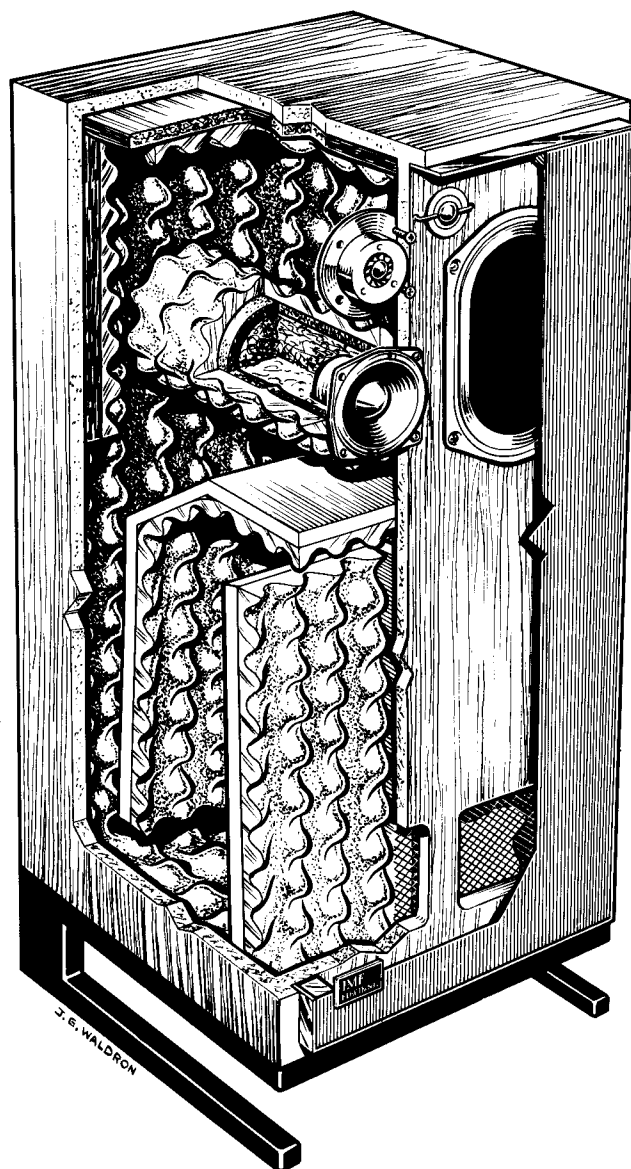
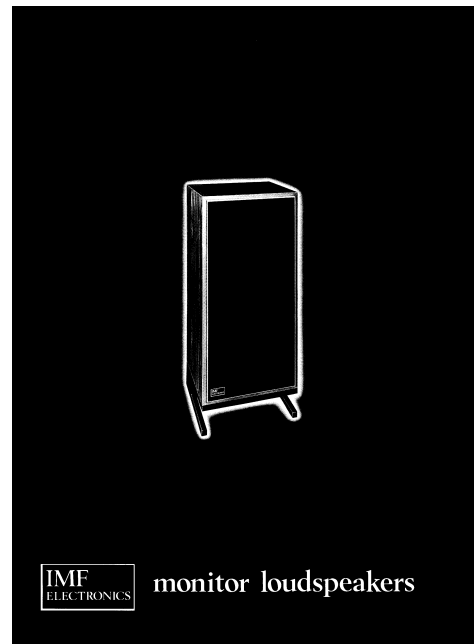
Based upon the world acclaimed Reference Standard Professional Loudspeakers, the Monitor TLS 80 II fulfills the need of the dedicated audiophile for a speaker of comparable quality, but tailored for home use.

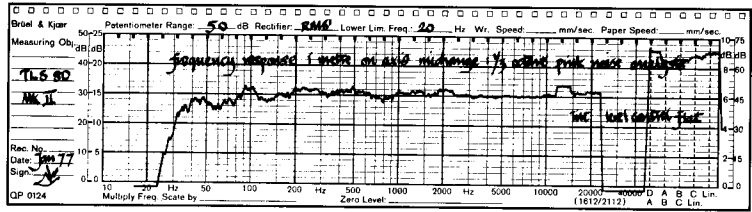
Full transmission line loading incorporates new damping materials. Acoustic foam, as used in anechoic chambers, is 'sculptured' to produce a wedge effect where the maximum surface area is exposed to damp the line, yet presenting the minimum of restriction. A separate midrange line is similarly terminated whilst standing waves are progressively absorbed by long hair wool. Both a tweeter and a super-tweeter are employed to ensure power handling conducive with wide dispersion and extended response beyond the limits of human hearing. Only a transmission line can provide the dynamic impact experienced in the concert hall. Bass is reproduced within the listening room rather than in a box. If there were a better method of loading, we would have employed it.

The whole system is integrated by a complex crossover, developed as the result of research in depth into the problems of phase correction, impulse response and amplifier matching. A three position 'TILT' control enables the energy response to be modified from nominally flat to 'Rise' or 'Fall', compensating for the location, the characteristics of ancillary equipment, or even personal preference.

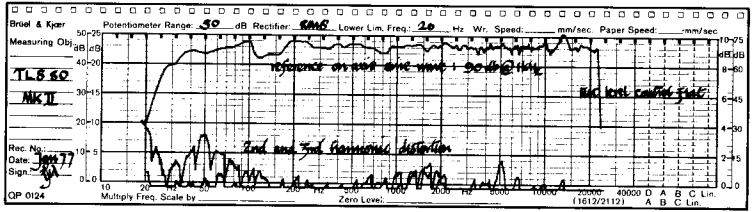
Like the Reference Standard, the speakers are designed to be used on the stands provided. These ensure that the loudspeakers are supported off the floor, reducing room colouration components. Importantly they slightly tilt the speakers back, maintaining a substantially flat response both axially and hemispherically.

There is very little that need be said about the Monitor, which is both neutral yet exciting. Supplied in matched 'mirror image' pairs the stereo presentation is stable, portraying great detail with the uncanny ability to reproduce the acoustic environment of the original performance. We suggest that you audition these speakers with the finest ancillary equipment. In the tradition of our monitoring approach to loudspeaker design the TLS 80 II is capable of providing greater satisfaction over a wider range of programme material.

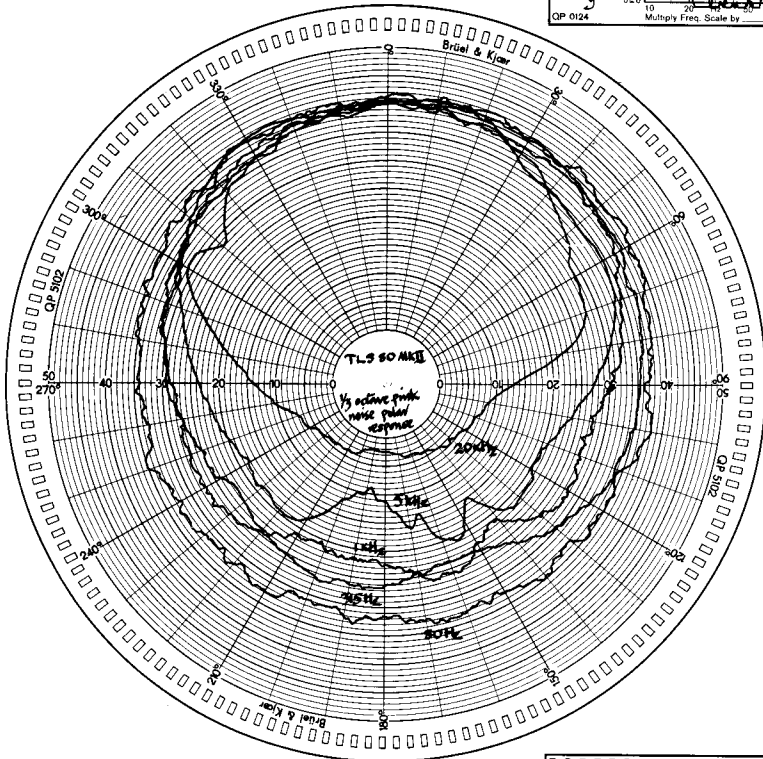




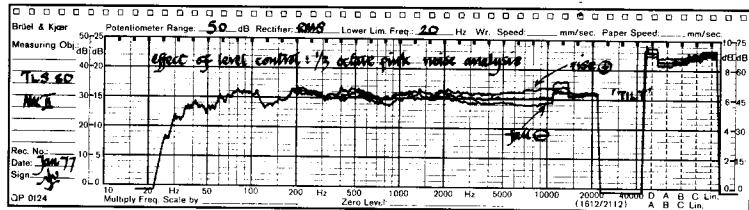
Frequency Response



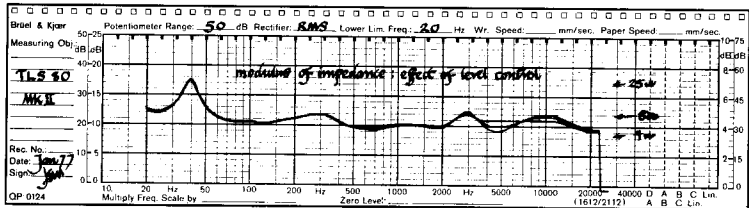
Distortion



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.



Tilt Control



Impedance

## NOMINAL SPECIFICATIONS

<b>Dimensions</b>	38½" x 16" x 18" wide 98 cm x 41 cm x 46 cm Overall height on stand: allow 42" (107 cm)
<b>Drive Units</b>	11¾" x 8¼" flat polystyrene bass unit 30 cm x 21 cm loaded by transmission line 6" plastic cone midrange in separate line 15 cm 1¾" diaphragm high gauss tweeter 4.5 cm ¾" chemical dome super-tweeter 2 cm
<b>Crossover</b>	Electrical four way at 350 Hz, 3 kHz and 13 kHz
<b>Frequency Range</b>	20 Hz to beyond audibility
<b>Frequency Response &amp; Distortion Characteristics</b>	See Graphs
<b>Dispersion</b>	See Polar Diagram
<b>Control</b>	TILT: see graph
<b>Matching Impedance</b>	4-8 ohms
<b>Efficiency Measured via Pink Noise at 1 metre for 40 watts</b>	98 dB (dependant on Control setting)
<b>Driving Power Requirements</b>	40 - 100 watts
<b>Nett Weight (each)</b>	37 kilos
<b>Gross Weight packed (each)</b>	45 kilos
<b>Nett Weight of Stands (each)</b>	7 kilos
<b>Gross Weight of Stands packed (pair)</b>	20 kilos
<b>Gross Weight Consignment (pair with stands) packed</b>	110 kilos

*Subject to alteration without notice*