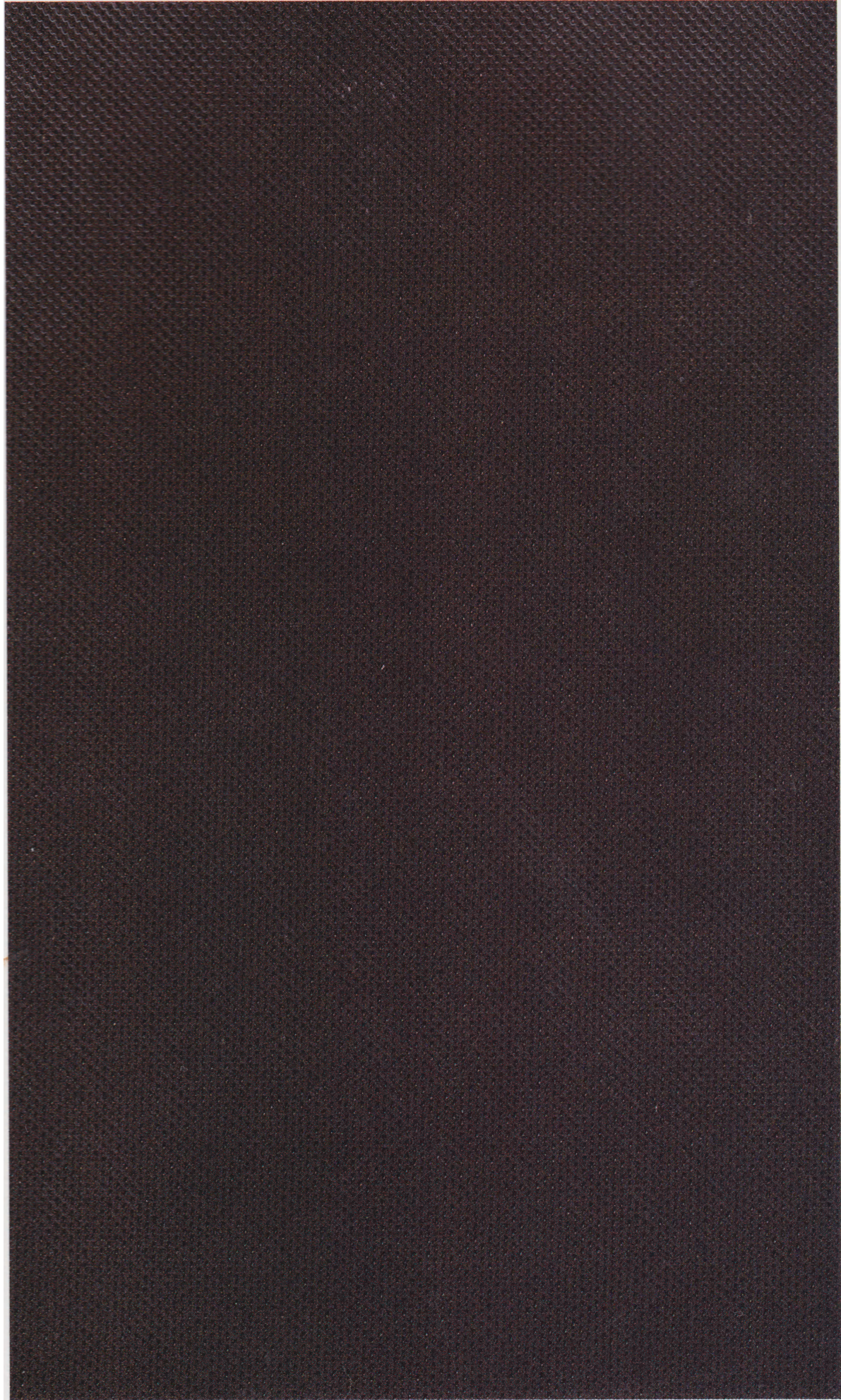


The Sound



Quality.

If one word were used to summarize JBL and its loudspeaker products, that word would be "quality". From the day James B. Lansing founded the company 35 years ago, JBL has been uniquely capable of designing and manufacturing the highest quality loudspeakers for home and professional use.

James B. Lansing was a creative engineer who had been instrumental in developing the first high efficiency, high fidelity loudspeakers for movie theaters. Many of Lansing's basic designs were so advanced that they are still in use today, modified only by advances in materials and continuing to outperform other designs.

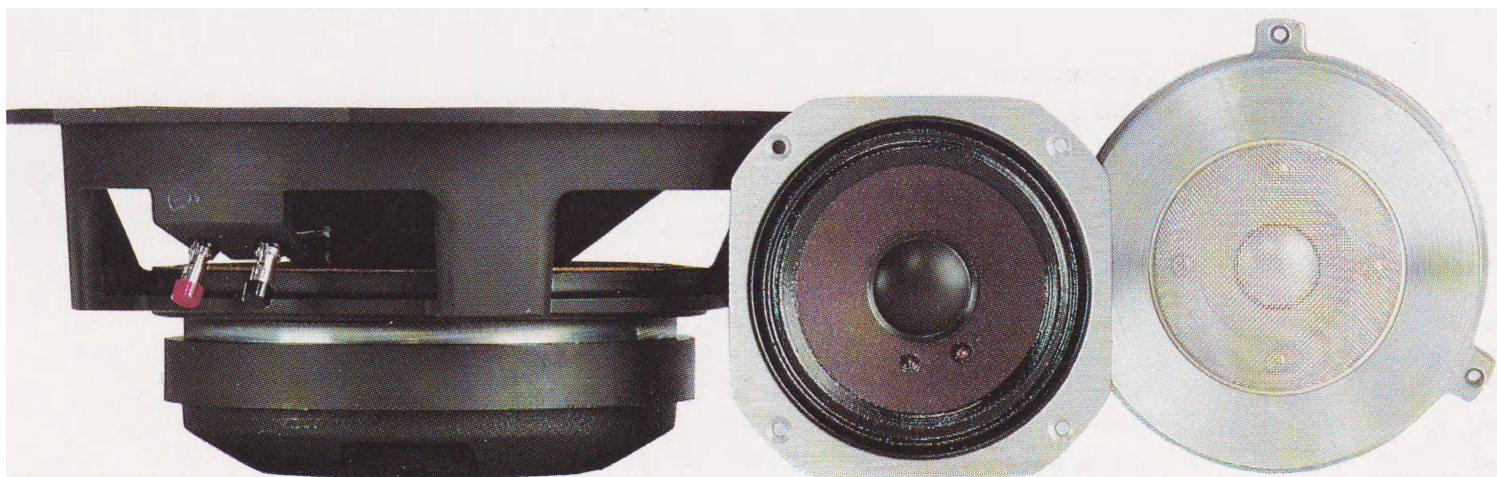
Lansing invented his own tooling to manufacture his designs. Manufacturing innovation remains a JBL tradition; we continue to design and build much of our own tooling. Our designs are so specialized that there's no other way to achieve the manufacturing quality we desire. Without this custom tooling, it is impossible to build a loudspeaker of JBL quality.

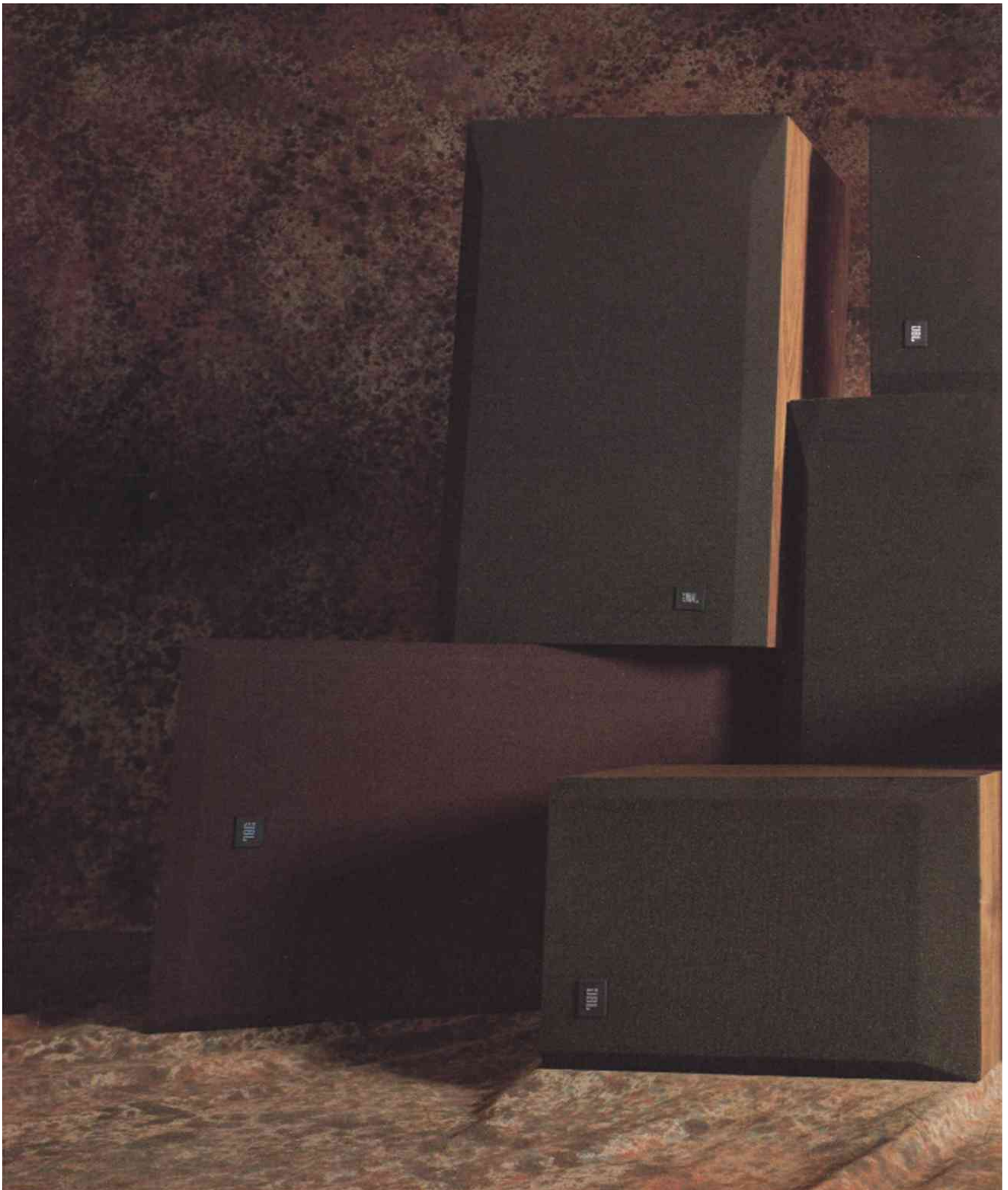
This quality has made JBL the number one choice of audio professionals. These people - recording studio engineers, musicians, concert sound contractors - depend on their loudspeakers and demand both great performance and absolute reliability. That's why you'll find JBL speakers in the top recording studios.

Our professional experience helps us build our home loudspeakers. Because we help produce the music, we know more about reproducing it. Our professional and home systems are designed and manufactured side-by-side to the same exacting standards. Every JBL loudspeaker is part of the same 35-year tradition of high quality.

Every JBL product is also the result of thorough engineering effort, combined with exceptional care and precision in manufacture. Through these efforts, we've developed general design practices that contribute to our traditional high performance levels. Examples include the large magnets and voice coils that make our loudspeakers more efficient and help power capacity. Our machining tolerances are held to within 2 ten-thousandths of an inch - tolerances considered impossible by most of the industry. We custom design our components for each application, rather than follow the usual practice of using off-the-shelf stock items.

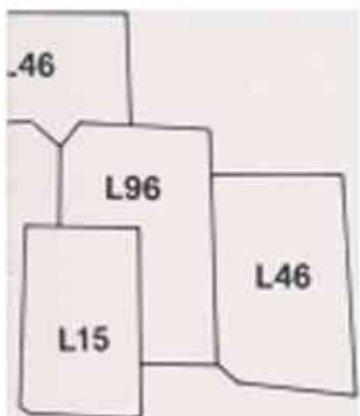
In every instance, all of our design and manufacturing abilities follow our primary design philosophy: to build the most accurate loudspeakers possible. This philosophy is not unique to JBL, of course, but our definition of accuracy is.





JBL L15 5. The L 15 is our most compact High fidelity speaker as it measures only 37.5 x 23,8 x 18,3 cm. It's a two-way speaker and includes a 6/2 woofer and a T'dome. The cabinet is finished in American walnut veneer like the other JBL-models in L-series.

JBL L46. The L46 is a more powerful version of the L15. as the 6/2" unit has been replaced by an 8" woofer like the other JBL-models in the L-series, it also contains the SPG-system, which offers a remarkably clear, tight bass response. JBL has again proven the ability to create compact speakers with "full size" sound.



JBL L56. The L56 represent a unique solution of a two-way system containing a 10" woofer. One of the reasons for the fine result is the SFG-system, which eliminates distortion. JBL L56 shows its class when it comes to engineering superiority.

JBL 1-96. L96 is one of our most advanced compact speaker systems. (It's a three-way system and its powerful woofer: increased power handling capability (250 watts), wide frequency response, and full dynamic range makes the L96 ideal for realizing the full potential of the latest recording.)

**} Read more about JBL's unique SFG-system on next page*

L-series.

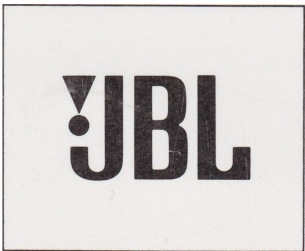
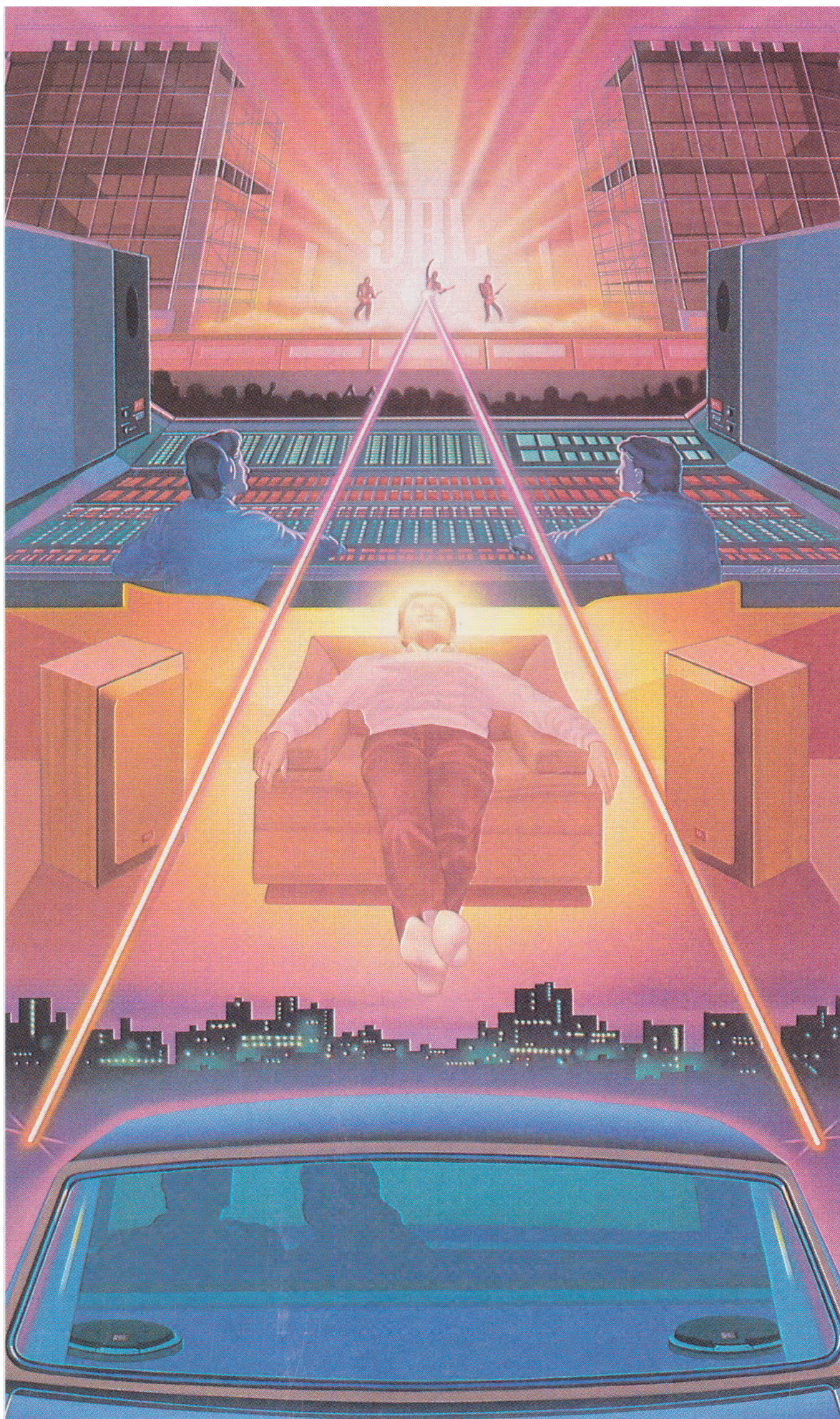


System	L15	L46	L56	L96
Maximum Recommended Amplifier Power	100 watts per channel	100 watts per channel	150 watts per channel	250 watts per channel
Nominal Impedance	8 ohms	8 ohms	8 ohms	8 ohms
Crossover Frequencies	2.5 kHz	3 kHz	2.2 kHz	1.1 kHz, 3.7 kHz
System Sensitivity*	87 dB SPL	88 dB SPL	90 dB SPL	89 dB SPL
Low Frequency Loudspeaker				
Nominal Diameter	162 mm	200 mm	250 mm	250 mm
Voice Coil	38 mm copper	38 mm copper	38 mm copper	76 mm edgewound copper
Magnetic Assembly Weight	1.3 kg	1.3 kg	1.3 kg	4.7 kg
Midrange Loudspeaker				
Nominal Diameter	–	–	–	130 mm
Voice Coil				22 mm copper
Magnetic Assembly Weight				0.74 kg
High Frequency Dome Radiator				
Nominal Diameter	25 mm	25 mm	25 mm	25 mm
Voice Coil	25 mm copper	25 mm copper	25 mm copper	25 mm copper
Magnetic Assembly Weight	0.68 kg	0.68 kg	0.68 kg	0.9 kg
General				
Dimensions	375 mm x 238 mm x 183 mm D x 267 mm D	527 mm x 317 mm	565 mm x 356 mm x 298 mm D	597 mm x 362 mm x 298 mm D
Shipping Weight	16 kg (per pair)	13 kg	20 kg	24 kg

*) Sensitivity measured with a 2.83 V input at a distance of 1 m (3.3 ft). 2.83 V is equivalent to 1 watt into an 8 Ohm load.

***) Symmetrical Field Geometry.** All of the low frequency drivers of the L-series loudspeakers incorporate JBEs unique SFG magnetic structures. There are two innovations in the SFG design. One is the symmetrical magnetic field around the voice coil gap, which reduces second harmonic distortion below 100 Hz. Conventional designs have an asymmetrical field around the gap, so that the interaction of the field and the voice coil is non linear. The second SFG innovation is the Flux Stabilizing Ring encircling the pole piece. This reduces the second harmonic distortion above 100 Hz. Because the low frequency drivers of JBL loudspeakers have bandwidths extending well above 100 Hz, SFG results in both cleaner bass and cleaner midrange.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.



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Loud and Proud

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JBL

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YOU SHORTLY.

Or press finger HERE