

JBL

JBL PERFORMANCE SERIES LOUDSPEAKERS AND SYSTEMS



THE PERFORMANCE SE

Now there's a full line of speakers and systems that bring JBL's legendary concert sound to every club and hall you play. Our new Performance Series incorporates many of the same precision features found in our industry-hailed tour sound systems. No other speaker systems in its class can touch the Performance Series' power handling, ruggedness and sound character.

QUEST FOR THE PERFECT STAGE SPEAKERS

At the heart of every Performance Series system you'll find our thoroughly researched G Series loudspeakers. The G125-8 (12 inch) and G135A-8 (15 inch) are the result of nearly two years of intensive acoustical and physical testing.

The research began in 1984 when JBL's Artist Advisory Board (under the leadership of amplifier wizard Paul Rivera)



launched an exhaustive study of the entire instrument speaker market. They took a careful look at every competitive product and discovered that today's pro players often needed *two* speakers onstage: one for smooth distortion, another for clean sound.

Rivera's team noted that speakers used primarily for distortion offered far less power handling and efficiency than their "clean" sounding counterparts. Ironically, the clean speakers were too revealing for many rock guitarists, failing to cover up things like high-frequency hiss and fret buzzes.

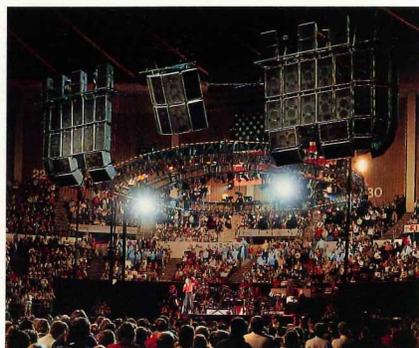
To remedy this situation, JBL launched its G Series in 1986. Both the G125-8 and G135A-8 offer full-bodied sound without top-end noise. And both have far greater power handling and efficiency than those speakers prized solely for distortion capabilities. The G Series is the first



The G135A-8 380 mm (15 inch) loudspeaker.

line of speakers that truly lets performing musicians have their cake and eat it, too: both raw and clean sound... able to rock louder, longer and with more detail than any other stage speakers in their class.

The G Series speakers were such an immediate hit with musicians that JBL began incorporating them in portable Vocal Reinforcement, Stage Monitor, and Keyboard Reinforcement systems—a full line of products we now call our Performance Series. Each system delivers the classic, multi-purpose G Series sound in enclosures designed to be exceptionally durable, lightweight, and easy to transport.



The same JBL high-end technology heard on major concert tours is now yours in the Performance Series.

Musicians who are tired of lugging back-breaking speaker systems will appreciate the Performance Series' lightweight construction. Most club speakers are made from heavy-yet-fragile particle board. Ours are built from high-quality void-free plywood (multi-laminate cross-grain hardwood) for the optimum combination of light weight and ruggedness.

To prevent damage during transport, all Performance Series products have easy-to-grasp, recessed handles and the speaker front is fully covered by a protective steel grille.

JBL'S PERFORMANCE SERIES SYSTEMS

G-730 Full-Range Vocal Reinforcement System—A compact 12-inch two-way sound system designed to yield high acoustic output from the smallest, most portable package. Exhibits extremely wide bandwidth, smooth response and outstanding efficiency.

PROFESSIONAL APPEARANCE AND EASY PORTABILITY

JBL believes that it's not enough to be the finest sounding stage speakers on the market. We've also paid close attention to the Performance Series' appearance and portability.

Each enclosure is designed to enhance your professional image. Interlocking corners make stacking easy and reduce onstage clutter. And the specially designed corner protectors have the distinctive JBL logo tooled right in. (The G-730, G-733, and G-734 can also be mounted on JBL's Model MT-4612 aluminum tripod stand.)



The Performance Series' new corner protectors bear the distinctive JBL logo.



G-730 VOCAL REINFORCEMENT SYSTEM



G-731 STAGE MONITOR SYSTEM



G-732 HORN-LOADED REINFORCEMENT SYSTEM

Because of its small size, light weight and excellent sonic performance, the G-730 is the ideal speaker system for the musician or mobile deejay on the go. (Mounts on JBL's optional MT4612 speaker stand.)

G-731 Full-Range Stage Monitor System—A lightweight 12-inch two-way floor monitor system designed to deliver high acoustic output from the smallest, most portable package. Engineered to tilt at two different angles, allowing the performer to optimize the monitor's projection angle.



All Performance Series systems have easy-to-grasp, recessed handles.

G-732 Full-Range Horn-Loaded Reinforcement System—An extremely high efficiency sound reinforcement system which utilizes the new G135A-8 low frequency driver mounted in a horn enclosure. Exhibits extremely wide bandwidth and smooth response. The G-732 can generate very high sound pressure levels, thus making the most of available amplifier power. Can be used for general-purpose sound reinforcement or for amplifying today's electronic musical instruments.



G-733 THREE-WAY KEYBOARD/
REINFORCEMENT SYSTEM

G-733 Three-Way Keyboard/Reinforcement System—A unique loudspeaker system utilizing one 8-inch and one 10-inch low frequency driver in the same chamber to share low frequency load. The result is a super-compact loudspeaker with surprising low frequency performance, outstanding power handling and superb efficiency. The G-733 is an ideal portable stage system for keyboard/synthesizer players or for general sound reinforcement applications. (Mounts on JBL's optional MT4612 speaker stand.)

G-734 Full-Range Direct-Radiator System—A two-way 15-inch portable sound reinforcement/musical instrument loudspeaker system designed to deliver extremely wide bandwidth and high sound pressure levels. The G-734 utilizes the new G135A-8 15-inch low frequency driver in a compact bass-reflex enclosure. Because of its small size and light weight, the G-734 is the ideal system for musicians or mobile deejays looking for the biggest possible sound in the smallest, most portable package. (Mounts on JBL's optional MT4612 speaker stand.)



G-791 High-Frequency Power Pack—Contains horn, driver, and crossover network for musicians who want to custom load components in their own enclosures. Can be added easily to existing equipment to augment high-frequency performance.



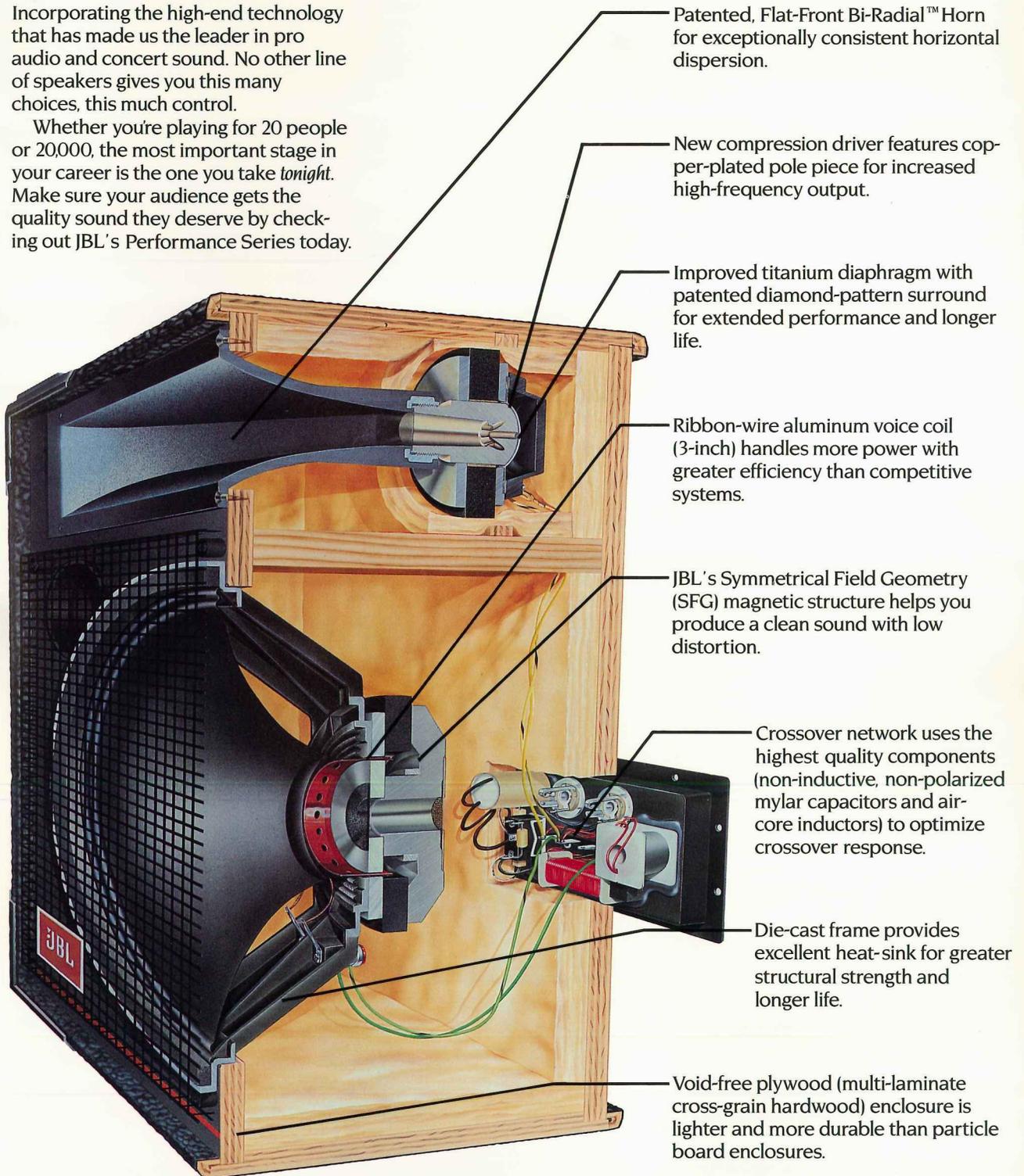
G-734 DIRECT-RADIATOR
SOUND SYSTEM

REACHING THE PEAK OF PERFORMANCE

JBL's new Performance Series. Incorporating the high-end technology that has made us the leader in pro audio and concert sound. No other line of speakers gives you this many choices, this much control.

Whether you're playing for 20 people or 20,000, the most important stage in your career is the one you take *tonight*. Make sure your audience gets the quality sound they deserve by checking out JBL's Performance Series today.

JBL'S ENGINEERING EDGE



SPECIFICATIONS:

MODEL: G-730

Frequency Range (-10 dB):	70 Hz-17 kHz
Power Capacity:	
Continuous Pink Noise:	200 W
Continuous Program:	400 W
Nominal Impedance:	8 ohms
Sensitivity ¹ :	102 dB SPL, 2.83v @ 1 meter
Nominal Dispersion:	90° h x 40° v
Crossover Frequency ² :	2.0 kHz
Dimensions:	552 mm x 464 mm x 298 mm
(Height x Width x Depth)	(21¾ in x 18¼ in x 11¾ in)
Net Weight:	20.4 kg (45 lbs)
Shipping Weight:	21.8 kg (48 lbs)

MODEL: G-731

Frequency Range (-10 dB):	70 Hz-17 kHz
Power Capacity:	
Continuous Pink Noise:	200 W
Continuous Program:	400 W
Nominal Impedance:	8 ohms
Sensitivity ¹ :	103 dB SPL, 2.83v @ 1 meter
Nominal Dispersion:	90° h x 40° v
Crossover Frequency ² :	2.0 kHz
Dimensions:	406 mm x 464 mm x 552 mm
(Height x Width x Depth)	(16 in x 18¼ in x 21¾ in)
Net Weight:	21.3 kg (47 lbs)
Shipping Weight:	23.1 kg (51 lbs)

(Tilt angles are 30 and 60 degrees.)

MODEL: G-732

Frequency Range (-10 dB):	45 Hz-17 kHz
Power Capacity:	
Continuous Pink Noise:	200 W
Continuous Program:	400 W
Nominal Impedance:	8 ohms
Sensitivity ¹ :	104 db SPL, 2.83v @ 1 meter
Nominal Dispersion:	90° h x 40° v
Crossover Frequency ² :	15 kHz
Dimensions:	845 mm x 629 mm x 450 mm
(Height x Width x Depth)	(33¼ in x 24¾ in x 17¾ in)
Net Weight:	34.9 kg (77 lbs)
Shipping Weight:	37.2 kg (82 lbs)

¹ Averaged from 500 Hz to 25 kHz.

² A 3-position high frequency level adjustment switch is provided.

³ A continuously variable high frequency level control is provided.

MODEL: G-733

Frequency Range (-10 dB):	50 Hz-17 kHz
Power Capacity:	
Continuous Pink Noise:	200 W
Continuous Program:	400 W
Nominal Impedance:	8 ohms
Sensitivity ¹ :	102 dB SPL, 2.83v @ 1 meter
Nominal Dispersion:	90° h x 40° v
Crossover Frequency ³ :	3 kHz
Dimensions:	514 mm x 667 mm x 324 mm
(Height x Width x Depth)	(20¼ in x 26¼ in x 12¾ in)
Net Weight:	23.6 kg (52 lbs)
Shipping Weight:	24.9 kg (55 lbs)

MODEL: G-734

Frequency Range (-10 dB):	50 Hz-17 kHz
Power Capacity:	
Continuous Pink Noise:	200 W
Continuous Program:	400 W
Nominal Impedance:	8 ohms
Sensitivity ¹ :	102 dB SPL, 2.83v @ 1 meter
Nominal Dispersion:	90° h x 40° v
Crossover Frequency ² :	15 kHz
Dimensions:	667 mm x 514 mm x 324 mm
(Height x Width x Depth)	(26¼ in x 20¼ in x 12¾ in)
Net Weight:	24 kg (53 lbs)
Shipping Weight:	25.4 kg (56 lbs)

MODEL: G-791

Frequency Range (-10 dB):	15-17 kHz
Power Capacity:	
Continuous Pink Noise:	200 W
Continuous Program:	400 W
Nominal Impedance:	8 ohms
Sensitivity:	106 dB SPL, 2.83v @ 1 meter
Nominal Dispersion:	90° h x 40° v
Crossover Frequency ² :	15 kHz
Dimensions:	127 mm x 387 mm x 248 mm
(Height x Width x Depth)	(5 in x 15¼ in x 9¾ in)
Net Weight:	4.5 kg (10 lbs)
Shipping Weight:	5.4 kg (12 lbs)

	G125-8	G135A-8
Nominal Diameter:	300 mm (12 in)	380 mm (15 in)
Nominal Impedance:	8 ohms	8 ohms
Power Capacity:		
AES shaped noise:	200 W	200 W
Sensitivity: 1W (2.83V), 1 m		
500 Hz—25 kHz:	102 dB SPL	102 dB SPL
Frequency Range:	60—7000 Hz	40—6000 Hz
Voice Coil Diameter:	76 mm (3 in)	76 mm (3 in)
Voice Coil Material:	aluminum ribbon	aluminum ribbon
Magnetic Assembly Weight:	4.8 kg (10.5 lbs)	4.8 kg (10.5 lbs)
Flux Density:	1.0 tesla	1.0 tesla
Frame Material:	diecast aluminum	diecast aluminum
Baffle Cutout Diameter:		
front or rear mount:	281 mm (11¼ in)	351 mm (13⅞ in)
Depth:	137 mm (5⅝ in)	162 mm (6⅜ in)
Net Weight:	55 kg (12 lbs)	59 kg (13 lbs)

	G125-8	G135A-8
Thiele-Small Parameters:		
f_s (Hz):	65	45
R_e (ohms):	4.2	6.0
Q_{ts} :	0.32	0.47
Q_{ms} :	55	8.0
Q_{es} :	0.34	0.50
V_{as} :	71 l (2.5 ft ³)	215 l (7.6 ft ³)
S_D :	0.053 m ² (82 in ²)	0.089 m ² (138 in ²)
x_{max} :	25 mm (0.1 in)	40 mm (0.16 in)
V_D :	133 cm ³ (8 in ³)	356 cm ³ (21.7 in ³)
L_e (mH):	0.5	0.75
η_0 (half-space reference efficiency):	55%	3.8%