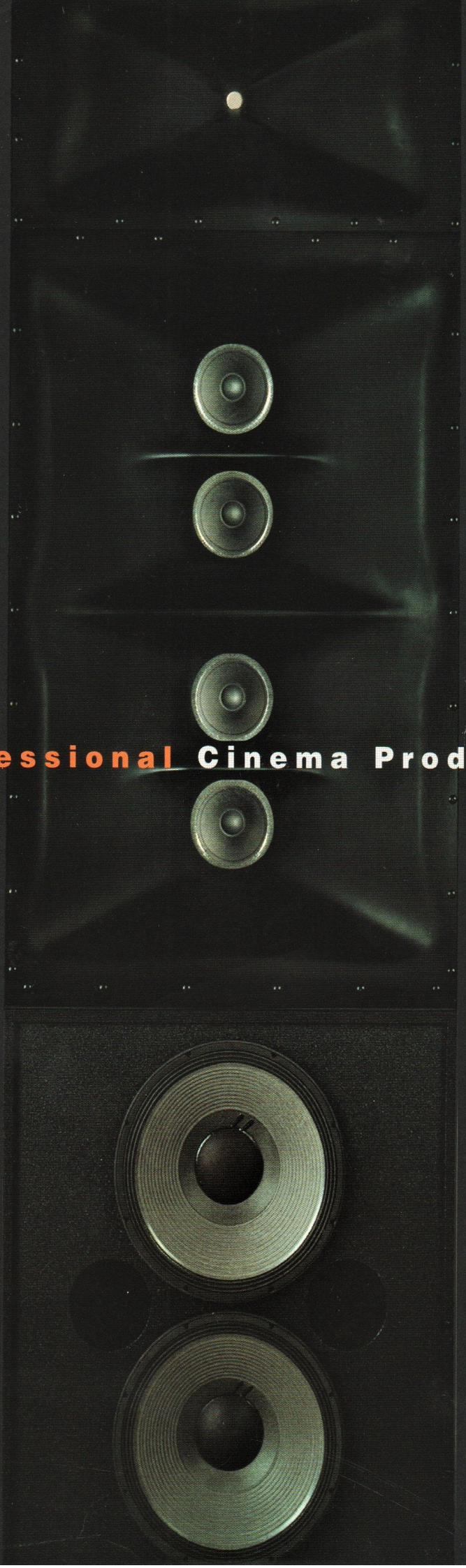


The JBL Professional Cinema Products Brochure

The History of JBL Cinema Speakers is The History of Cinema Itself...

When a company has a legacy nearly eight decades long, there's little doubt that its ear is planted firmly to the ground. For most of this century, JBL has been the most trusted name in Cinema sound. In fact, its namesake and founder James B. Lansing began his company building the world's first cinema speakers. That commitment to the core components of cinema speaker design is why, today, JBL Cinema speakers are found in 6 out of 10 movie theaters around the world.

JBL Cinema Milestones

1927 Lansing Manufacturing Company founded in Los Angeles, California.

1936 Shearer System with Lansing Loudspeaker components wins the Academy of Motion Picture Arts and Sciences Scientific Award.

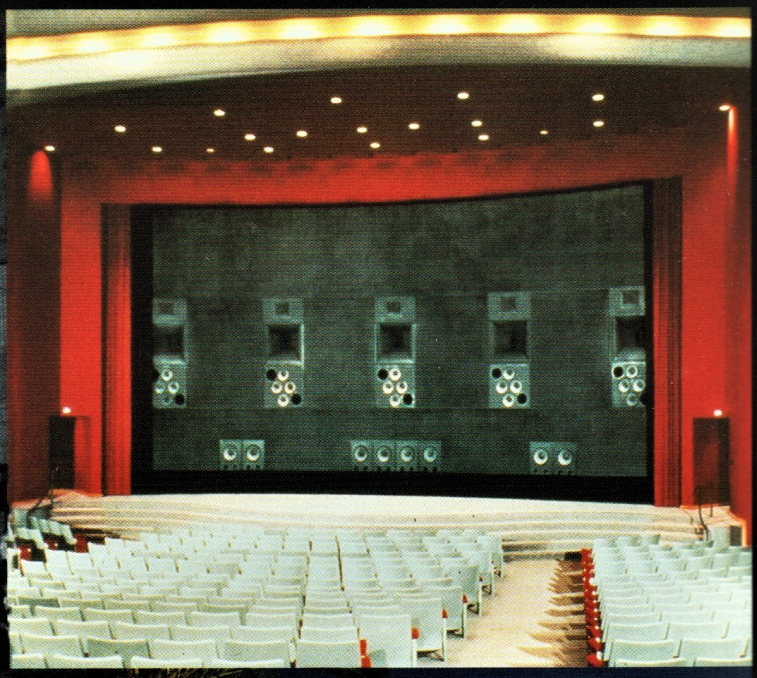
1955 JBL's Hartsfield System is called "the dream speaker" by Life Magazine.

1983 JBL selected by Lucasfilm to develop the first commercial THX® licensed cinema speakers.

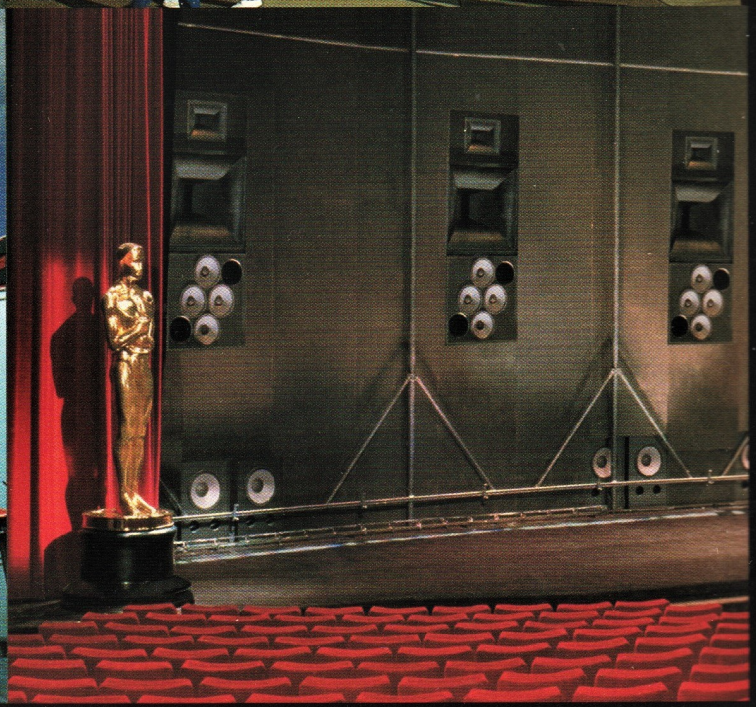
1984 JBL cinema sound system installed in the Samuel Goldwyn Theater at the Academy of Motion Picture Arts and Sciences.

1996 JBL introduces the revolutionary 5000 Series Three-Way Screen Channel System featuring today's most advanced cinema loudspeaker technology.

Today JBL launches ScreenArray™, bringing new levels of performance, flexibility and efficiency to three-way system technology.



Ever since James B. Lansing developed cinema speakers at the very beginning of talking movies, JBL has consistently set the bar on just how good the movies can sound. That's why the majority of Dolby® equipped cinemas worldwide use JBL loudspeakers. It's also why Lucasfilm engineers chose JBL speakers as the standard with which the first THX® licensed commercial theaters were developed. Unparalleled in experience, technical leadership and customer support: a few reasons why, today, JBL speakers also grace the stages of the most coveted theatrical venues, such as The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater and The Directors Guild of America.



All New

ScreenArray™

Designed For
< Small Venues >
< Medium Venues >
< Large Venues >
< THX Approved Venues >

2 Models

Its Shallow Size, Sheer Horsepower And Surprising Price Will Set A New Benchmark.

Introducing The All-New JBL ScreenArray.™

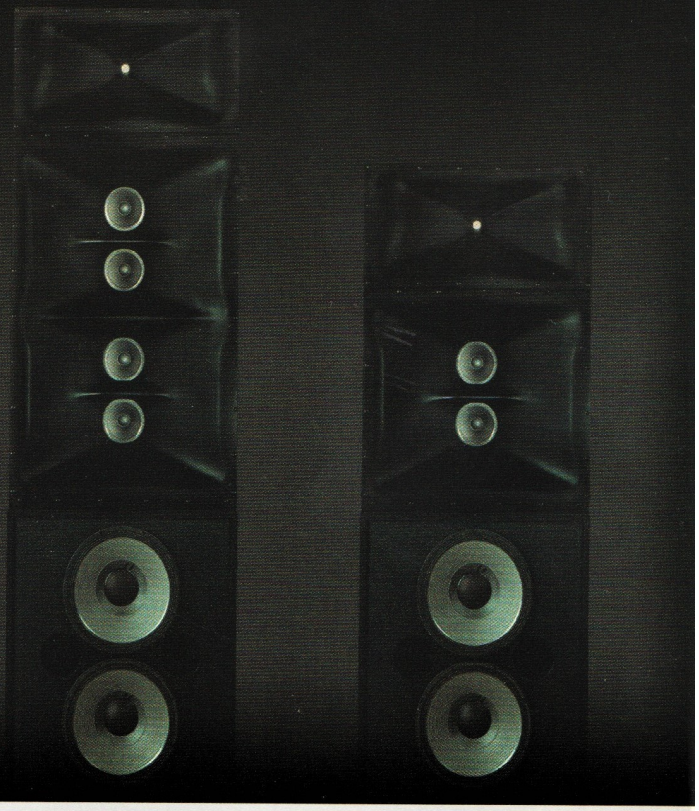
Proof That A Great Speaker Is Not Created By Competition. It Is Revealed By It.

Advantages You'll Get Only With JBL ScreenArray.

After nearly three years of intensive technical development, JBL introduces the all-new ScreenArray 3-Way loudspeaker. The JBL ScreenArray features:

- Three-Way ScreenArray design for maximum acoustic power output and optimum coverage.
- SSC™ Screen Spreading Compensation to correct perforated screen spread of high frequency energy.
- Focused Coverage Technology™ for the most uniform sound coverage in a stadium or traditional auditorium.

In addition, every JBL ScreenArray 3-way is delivered to you completely ready to use. It's already pre-assembled and pre-aimed to save you time and money.



	4632	3632
FREQUENCY RANGE	30 hz - 20 kHz	30 Hz - 20 kHz
FREQUENCY RESPONSE (±3 dB)	40 Hz - 16 kHz	40 Hz - 16 kHz
COVERAGE ANGLES (H x V)	90° x 20° up, 30° down	90° x 20° up, 30° down
DIRECTIVITY FACTOR (Q)	10.0	10.0
DIRECTIVITY INDEX (DI)	10 dB	10 dB
MAX. PEAK OUTPUT:	135 dB @ 1 m	129 dB @ 1 m
CROSSOVER FREQUENCIES:	250 Hz, 1.2 kHz	450 Hz, 2.0 kHz
SENSITIVITY: 2.83V @ 1 m	106 dB	103 dB
NOMINAL IMPEDANCE:	4 ohms	4 ohms
LF DRIVERS	2 X 2035H-1	2 X M115H-1
MF DRIVERS	4 X 165H	2 X 165H
HF DRIVER	2426H	2418H
SYSTEM ELEMENTS: LF	4639	3639
MF/HF	4632-M/HF	3632-M/HF
DIMENSIONS (H x W x D)	2427 x 762 x 450 mm 95.6 x 30 x 17.75 in.	1937 x 762 x 450 mm 76.3 x 30 x 17.75 in.
NET WEIGHT (EACH)	95 kg (209 lbs)	79 kg (174 lbs)

Three-Way Systems

Designed For

< Large Venues >
< Very Large Venues >
< THX Approved Venues >

3 Models

F A C T :

The 5674 Three-Way is found in the most prestigious cinemas in the world, including the Academy of Motion Picture Arts and Sciences Goldwyn Theater.

"The new JBL Cinema 5000 Series clearly sets a new benchmark for performance..."

-Jon Karell
VP/Technical Director, Star Theaters

5671
Three-Way Screen Channel System.

Now, smaller auditoriums as well as post-production and dubbing stage environments can each have the benefits of true, JBL three-way performance. The 5671 features one JBL 2226H 380 mm (15 in.) low frequency transducer in a 5641 LF System and one 5671-M/HF System.

THX Approved

5672
Three-Way Screen Channel System.

Auditoriums up to 500 seats, film studios and exhibition venues now have a premium JBL three-way that's a perfect match for them. The JBL 5672 features a three-way design highlighted by two JBL 2226H 380 mm (15 in.) low frequency transducers as a vertical over-under array in a 4648A LF System, and one 5674-M/HF System, ensuring outstanding performance. Designed for tri-amplification, the bi-amplified 5672-BI is also available.

THX Approved

5674
Three-Way Screen Channel System.

When the world's most prestigious cinemas want the very best, they specify the JBL 5674. The 5674 is today's most advanced three-way design, featuring an unmatched blend of high performance and unrivaled reliability. The 5674 features four JBL 2226H 380 mm (15 in.) low frequency transducers in a unique DiamondQuad™ array. This array orientation allows the four drivers to create maximum output, while minimizing destructive interference effects caused by the use of multiple drivers operating in the same bandpass region. The 5674 requires tri-amplification and includes one 5644 LF System and one 5674-M/HF System. The 5674 has earned THX Approval and is the same system used in The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater and The Directors Guild Theater in Los Angeles. The JBL 5674, truly the world's finest three-way loudspeaker.

THX Approved

	5671	5672	5674
FREQ. RANGE (-10 dB)	40 hz - 16 kHz	35 Hz - 16 kHz	35 Hz - 16 kHz
FREQ. RESPONSE (±3 dB)	50 Hz - 12.5 kHz	45 Hz - 12.5 kHz	45 Hz - 12.5 kHz
COVERAGE ANGLES (H x V)	80° x 50° (300 Hz - 16 kHz)	80° x 45° (300 Hz - 16 kHz)	80° x 45° (300 Hz - 16 kHz)
DIRECTIVITY FACTOR (Q)	10.4	10.4	10.4
DIRECTIVITY INDEX (DI)	11	11	11
MAX. PEAK OUTPUT: (LF/MF/HF)	131/140/137 dB @ 1 m	137/140/137 dB @ 1 m	143/140/137 dB @ 1 m
CROSSOVER FREQ.: (LF/MF, MF/HF)	320 Hz, 2.3 kHz	297 Hz, 2.5 kHz	297 Hz, 2.5 kHz
SENSITIVITY: 1 W, 1 m (LF/MF/HF)	97/114/112 dB	100/114/112 dB	103/114/112 dB
NOMINAL IMPEDANCE: (LF/MF/HF)	8/8/8 ohms	4/8/8 ohms	4 (per driver pair) /8/8 ohms
LF DRIVER(S)	2226H	2 x 2226H	4 x 2226H (2 pair in parallel)
MF DRIVER/MF HORN	2490H/2392-1	2490H/2392	2490H/2392
HF DRIVER/HF HORN	2451H/2332	2451H/2352	2451H/2352
SYSTEM ELEMENTS: LF	5641	4648A	5644
MF/HF	5671-M/HF	5674-M/HF	5674-M/HF
DIMENSIONS (H x W x D)	1483 x 774.7 x 736.6 mm 58.375 x 30.5 x 29 in.	2768.8 x 1118 x 863.6 mm 109 x 44 x 34 in.	2895.6 x 1118 x 863.6 mm 114 x 44 x 34 in.
NET WEIGHT (EACH)	80.2 kg (177 lbs)	87.3 kg (192.5 lbs)	171.69 kg (378.5 lbs)

Full-range Two-Way Systems

Designed For

< Small Venues >
< Medium Venues >
< Large Venues >
< THX Approved Venues >

5 Models

F A C T :

In 1983, JBL was selected by Lucasfilm, LTD. to develop the first commercial THX Approved cinema speakers.

3677
Cinema Loudspeaker System.

Combine classic JBL performance with a natural sound quality for both music and dialog and you've just described the 3677. For extraordinary convenience, the all-in-one enclosure requires no field assembly, simplifying set-up and reducing cost of installation.

3678
Cinema Loudspeaker System.

Use this THX Approved design in either the passive or bi-amped mode. JBL's patented Vented Gap Cooling™ keeps the 2226H low-frequency working optimally while the JBL 2342 Bi-Radial® horn and 2426 pure titanium compression driver ensure smooth, even coverage, natural sound and unsurpassed reliability.

THX Approved

4670D
Cinema Loudspeaker System.

The 4670D is a wide bandwidth system with remarkable dynamic range and consistent coverage. In fact, the performance of the 4670D is the foundation for true big-screen commercial cinema sound.

4675C
4675C-4(8)LF
Cinema Loudspeaker Systems.

These are the speakers chosen when nothing but the very best in full-range systems will suffice. The series delivers uniform frequency response throughout the listening area with high sound pressure levels. The 4675C-4LF (4 ohms) and 4675C-8LF (8 ohms) are designed for bi-amplified applications where an external electronic crossover or cinema processor is used in conjunction with separate amplifiers for the high and low frequency sections. The 4675C-8LF is THX Approved. The 4675C consists of: one 4638-TH System, one 4675C-HFA Kit and built-in passive crossover network. The 4675C-4LF consists of: one 4648A (LF) System and one 4675C-HF Kit. The 4675C-8LF consists of: one 4648A-8 (LF) System and one 4675C-HF Kit.

	3677	3678	4670D	4675C	4675C-4(8)LF
FREQUENCY RANGE (-10 dB)	40 Hz - 20 kHz (-10 dB)	30 Hz - 20 kHz (-10 dB)	35 Hz - 20 kHz (-10 dB)	35 Hz - 20 kHz (-10 dB)	35 Hz - 20 kHz (-10 dB)
POWER CAPACITY [1]	250 W	300 W	600 W	600 W	1200 W (LF) 100 W (HF)
COVERAGE ANGLES (H x V)	90° x 40°	90° x 90°	90° x 40°	90° x 40°	90° x 40°
CROSSOVER FREQUENCY [2]	1.2 kHz	1 kHz	500 Hz	500 Hz	500 Hz
SENSITIVITY: 1 W, 1 m	99 dB SPL	98 dB SPL	100 dB SPL	100 dB SPL	100 dB SPL (LF)
NOMINAL IMPEDANCE	8 ohms	8 ohms	4 ohms	4 ohms	LF: 4 ohms (4LF)/8 ohms (8LF)
LF DRIVER(S)	2035H	2226H	2 x 2035H	2 x 2035H	2 x 2226H (J)
HF DRIVER	2416-1	2426	2446H	2446H	2446H
HORN	2373	2342	2380A	2360B	2360B W/2506B
SYSTEM ELEMENTS: LF	(All-in-one enclosure)	3678-LF	4638-TH	4638-TH	4648A/4648A-8 (8LF)
HF		3678-HF	4670D-HF	4675C-HFA	4675C-HFA
DIMENSIONS (H x W x D)	765 x 651 x 292 mm 30.125 x 25.625 x 11.5 in.	1019 x 651 x 292 mm 40.125 x 25.625 x 11.5 in.	1289 x 673 x 438 mm 50.75 x 26.5 x 17.25 in.	1797 x 770 x 949 mm 70.75 x 30.312 x 37.375 in.	1797 x 770 x 949 mm 70.75 x 30.312 x 37.375 in.
NET WEIGHT (EACH)	39 kg (85 lbs)	41 kg (90 lbs)	92 kg (203 lbs)	98 kg (215 lbs)	98 kg (215 lbs)

[1] IEC filtered random noise (50 Hz - 5 kHz) with a crest factor (peak to average ratio) of 6 dB.

[2] Due to standard motion picture recommendations, theater systems with large compression drivers are specified with 500 Hz crossovers.

Subwoofers

Designed For

< Small Venues >
< Medium Venues >
< Large Venues >
< Very Large Venues >
< THX Approved Venues >

4 Models

FACT:

JBL Subwoofers have been chosen by more exhibitors worldwide than any other brand. Selected models feature THX® Approval.

"It's hard to ask more from a speaker"

-Vernon Klingman
Owner, Cin-Tronics

3635
Cinema Subwoofer System.

When a small cinema and an equally small budget are the orders of the day, the JBL 3635 is the perfect choice. It features one 460 mm (18 in.) transducer, an unobtrusive shallow enclosure, true JBL performance and a surprising price.

4641
Cinema Subwoofer System.

When a 600 Watt cinema system is what you need, the 4641 is the perfect choice for cost effective, low frequency augmentation. The 4641 features one 460 mm (18 in.) JBL 2241 VGC® (Vented Gap Cooling) low frequency transducer. The 4641 is THX Approved.

THX Approved

4642A
Cinema Subwoofer System.

The 4642A is a dual 460 mm (18 in.) subwoofer system featuring two VGC® (Vented Gap Cooling) 2241H low frequency transducers. This high performance, cost effective 1200 Watt system is ideal for low frequency augmentation when smooth response down to the lowest audible frequencies is required. An outstanding performer!

THX Approved

4645C
Cinema Subwoofer System.

Approved by THX, the 4645C is the latest iteration of an industry standard. The 4645C is a single 460 mm (18 in.) direct radiator bass reflex subwoofer system featuring the 2242 SVG® (Super Vented Gap) low frequency transducer for highest output with lowest distortion. The 4645C is the choice whenever a premium performance single 460 mm (18 in.) 800 Watt system is required for low frequency augmentation.

THX Approved

	3635	4641	4645C	4642A
FREQUENCY RANGE (-10 dB)	28 Hz - 500 Hz	25 Hz - 500 Hz	To 22 Hz (no EQ)	22 Hz - 500 Hz
POWER CAPACITY	300 W	600 W	800 W	1200 W
COVERAGE ANGLES (H x V)				
CROSSOVER FREQUENCY	100 Hz	80 to 150 Hz H2 crossover	80 to 100 Hz	80 to 100 Hz
SENSITIVITY: 1 W, 1 m	100 dB	97 dB (40 - 100 Hz)	97 dB (40 - 100 Hz)	101 dB SPL
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms	4 ohms
LF DRIVER(S)	2042H (18 in.)	2241H (18 in.)	2242H (18 in.)	2 x 2241H (18 in.)
DIMENSIONS (H x W x D)	1168 x 651 x 368 mm 46 x 25.625 x 14.5 in.	999.6 x 647.7 x 450 mm 39 x 25.5 x 17.75 in.	999.6 x 647.7 x 450 mm 39 x 25.5 x 17.75 in.	762 x 1219 x 610 mm 30 x 48 x 24 in.
NET WEIGHT (EACH)	51 kg (113 lbs)	60 kg (131 lbs)	63 kg (138 lbs)	98 kg (216 lbs)

Amplifiers

	MPX1200	MPX600	MPX300	MPC600T	MPC300T	MPC200T	MPC600	MPC300	MPC200
RATED OUTPUT POWER[1]									
2 ohm load/channel	1600 W	850 W	450 W	900 W	450 W	350 W	900 W	450 W	350 W
4 ohm load/channel	1200 W	600 W	300 W	600 W	300 W	225 W	600 W	300 W	225 W
8 ohm load/channel	800 W	400 W	200 W						
4 ohm bridged	3200 W	1700 W	900 W	1800 W	900 W	700 W	1800 W	900 W	700 W
8 ohm bridged	2400 W	1200 W	600 W	1200 W	600 W	450 W	1200 W	600 W	450 W
MIDBAND OUTPUT POWER[2]									
2 ohm load	1640 W	880 W	500 W						
4 ohm load	1340 W	700 W	360 W						
8 ohm load									
DISTORTION: 1 kHz, 8 ohm load	0.020 %	0.015 %	0.004 %	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%
VOLTAGE GAIN				56 (35 db)	40 (32 db)	35 (31 db)	56 (35 db)	40 (32 db)	35 (31 db)
HEIGHT	133 mm (5.25 in.) 3 rack units	133 mm (5.25 in.) 3 rack units	133 mm (5.25 in.) 3 rack units	133 mm (5.25 in.) 3 rack units	133 mm (5.25 in.) 3 rack units	133 mm (5.25 in.) 2 rack units	89 mm (3.5 in.) 3 rack units	89 mm (3.5 in.) 3 rack units	89 mm (3.5 in.) 2 rack units
NET WEIGHT (each)	29.5 kg (65 lbs)	21.5 kg (47 lbs)	18.7 kg (41 lbs)	31 kg (67 lbs)	25 kg (55 lbs)	18 kg (37 lbs)	23 kg (50 lbs)	19 kg (42 lbs)	14 kg (27 lbs)

[1] Both channels driven 20 kHz - 20 kHz, 120 V 60 Hz mains.

[2] Typical 1 kHz @ 1 % THD, 120 V 60 Hz mains.

Controllers

	DSC260	DSC280
CONFIGURATION	Stereo 2 and 3-way, Mono 4, 5 and 6-way	Stereo or two channel 2, 3 or 4-way
INPUTS	2 Channels, +20 dBu max level 10 kOhms, Electronically balanced XLR connectors	2 Channels, +20 dBu max level 10 kOhms, Electronically balanced XLR connectors
OUTPUTS	6 channels, +10 dBu into 600 Ohms max level Electronically balanced XLR connectors	4 bands/channel, +10 dBu into 600 Ohms max level Electronically balanced XLR connectors
DISPLAY	2 x 16 character backlit LCD	Graphic LCD display
SAMPLING RATE	48 kHz	48 kHz
FREQUENCY RESPONSE	20 Hz - 20 kHz (<+/- 0.5 dB)	15 Hz - 20 kHz (+/- 0.25 dB)
THD	<.5 %, 20 Hz - 20 kHz @+10 dBu	<.01 %, 20 Hz - 20 kHz @+10 dBu
DIMENSIONS (H x W x D)	44.4 x 483 x 203 mm 1.75 x 19 x 8 in.	89 x 483 x 356 mm 3.5 x 19 x 14 in.
NET WEIGHT (EACH)	2.8 kg (6.2 lbs)	7.25 kg (16 lbs)

JBL PROFESSIONAL

H A Harman International Company

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