AE SERIES
application engineered

JBL by HARMAN

AM7315 & AM7200
High-Powered 3-Way & Mid-high loudspeakers

AM7212 & AM7215
Medium-Powered Two-Way Full-Range Loudspeakers

AL7115
Low-Frequency Module

AM5212 & AM5215
Medium-Power 2-Way Full-Range Loudspeakers

ASB
High-Powered Subwoofers



Application Engineered Series

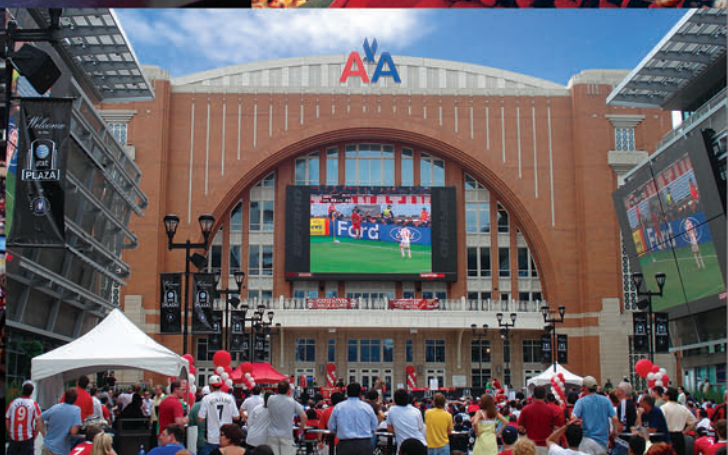
Using the most advanced JBL transducer technology the AE Series was designed with one goal in mind, deliver performance and features system designers need and listeners demand. With a wide selection of models, high performance capabilities, reliability, and a systems approach, AE Series has a loudspeaker for just about any application.











AE SERIES
application engineered

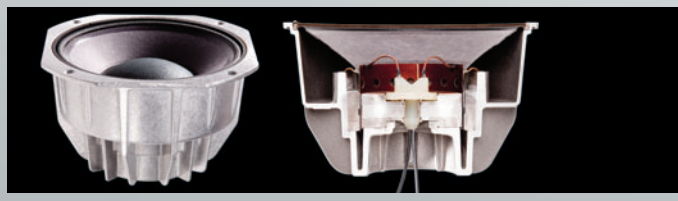
AM7315 & AM7200
HIGH-POWER THREE-WAY & MID-HIGH LOUDSPEAKERS

AL7115
LOW-FREQUENCY MODULE



AM7315, AM7200 & AL7115 adds more flexibility to your loudspeaker system design capabilities. The AM7315/64 and AM7315/95 are three-way full-range models that can be either bi-amplified or tri-amplified. The AM7200/64 and AM7200/95 are two-way mid-high models that can be bi-amplified or operate as a full passive system. The AL7115 is a single 15" low-frequency module designed to work with the AM7200 models in a low-profile array application where a full-range three-way system is desired.

AE Series three-way and mid-high models utilize the latest in transducer technology. All low-frequency drivers are JBL's patented Differential Drive®, dual 3" voice coil – dual magnetic gap transducers. Three-way and mid-high models utilize JBL's CMCD™, Cone Midrange Compression Driver technology. In addition to providing increased output and lower distortion, this cone-based true compression driver design extends bandwidth (*both up and down in frequency*) to cover the entire vocal range seamlessly. All three-way and mid-high models utilize injection molded rotatable Progressive Transition™ waveguides. Like the high-power two-way AE Series models, all three-way and mid-high models utilize the 2432H 1.5" exit, 3" diaphragm compression driver.



CMCD™ | Cone Midrange Compression Driver

Complementing the AM7200/64 and AM7200/95 is the AL7115 15" low-frequency module. The AL7115, utilizing the PAF-3K planar array frame kit, can be fitted between two AM7200 mid-high loudspeakers to form a low-profile three-wide array. The AL7115 is equipped with the 2265HPL Differential Drive 15" transducer.

	AM7315	AM7200	AL7115
System Type:	15" Three-Way High Power, Full Range	Two-Way High Power, Mid-High	High Power, Low-Frequency
LF Driver:	2265HPL		2265HPL
MF Driver:	CMCD-82H	CMCD-82H	
HF Driver:	2432H	2432H	
Frequency Range (–10 dB):	38Hz-20 kHz w/ recommended active tuning	260Hz-20 kHz w/ recommended active tuning	40 Hz-4.2 kHz w/out processing
Frequency Response (± 3 dB):	45Hz-18 kHz w/ recommended active tuning	330Hz-18 kHz w/ recommended active tuning	47 Hz-3.0 kHz w/out processing
Sensitivity (1w / 1m):	LF 97 dB; MF 108 dB; HF 113 dB; MHF Passive 108 dB	MF 108 dB; HF 113 dB; MHF Passive 108 dB	97dB
Rated Maximum SPL (1m):	LF 126/132 dB; MF 133/139 dB; HF 133/139 dB; MHF Passive 133/139 dB (Continuous / Peak)	MF 133/139 dB; HF 133/139 dB; MHF Passive 133/139 dB (Continuous / Peak)	126/132 dB (Continuous / Peak)
System Nominal Impedance:	8 ohms all bandpasses	8 ohms all bandpasses	8 ohms
Power Rating (2 hr Continuous Pink Noise)	LF 1000 W; MF 350 W; HF 100 W	MF 350W; HF 100W	1000 W
Long-Term System Power Rating (IEC 100 hrs):	LF 600/1200/2400 W; MHF Passive 200/400/800 W (Continuous / Program / Peak)	MHF Passive 200/400/800W (Continuous / Program / Peak)	600/1200/2400 W (Continuous / Program / Peak)
Dimensions (H x W x D):	967 x 561 x 657 mm (38.1 x 22.1 x 25.9 in)	548 x 561 x 657 mm (21.6 x 22.1 x 25.9 in)	548 x 561 x 657 mm (21.6 x 22.1 x 25.9 in)
Weight:	45.8 kg (101 lb)	27.2 kg (60 lb)	25.9 kg (57 lb)







AM7212 & AM7215

HIGH-POWER TWO-WAY FULL-RANGE LOUDSPEAKERS



The AM7212 and AM7215 models are designed to give you unlimited flexibility. The line consists of nine high-power two-way, full-range models featuring two additional horn coverage patterns of 60° x 60° and 120° x 60°. All models utilize JBL's patented Differential Drive® dual 3" voice coil and dual gap woofers.

The high-frequency section utilizes the new 1.5" exit, 3" diaphragm 2432H compression driver. All models utilize large mouth rotatable Progressive Transition™ Waveguides for precise directivity control. These rotatable waveguides allow the loudspeaker to be used in either the vertical or horizontal orientation maintaining the intended horn coverage pattern.

Conceived, Tuned and Balanced to provide peak performance







Compression Driver

All nine AM7000 Series models utilize the 1.5" exit, 3" diaphragm 2432H compression driver.

Selectable Crossover Mode

All AE Series speakers (*except single driver subwoofers*) offer selectable crossover modes. Two-Way speakers operate in either bi-amp or passive mode. Dual-driver subwoofer cabinets offer selection between parallel and discrete driver access.

Connectors

All models include both Speakon® and CE-approved covered barrier strip input connectors.

	AM7212 | Five AM7212 Horn Coverage Patterns	**AM7215** | Four AM7215 Horn Coverage Patterns
System Type:	12" Two-Way, High Power, Full-Range	15" Two-Way, High Power, Full-Range
LF Driver:	2262H	2265H
HF Driver:	2432H	2432H
Frequency Range (–10 dB):	36 Hz - 20 kHz	34 Hz - 20 kHz
Frequency Response (± 3 dB):	42 Hz - 18 kHz	42 Hz - 18 kHz
Sensitivity (1w / 1m):	Passive Mode: 95 dB	Passive Mode: 96 dB
Rated Maximum SPL (1m):	123 dB	124 dB
System Nominal Impedance:	8	8
Power Rating (2 hr Continuous Pink Noise)	700 W	750 W
Long-Term System Power Rating (IEC 100 hrs): (Continuous / Program / Peak)	600 / 1200 / 2400 W	600 / 1200 / 2400 W
Dimensions (H x W x D):	711 x 369 x 458 mm / 28 x 14.5 x 18 in	781 x 420 x 503 mm / 30.8 x 16.5 x 19.8 in
Weight:	23.1 kg (51 lb)	27.2 kg (60 lb)
Coverage:	**AM7212/64**: 60° x 40° horn, **AM7212/66**: 60° x 60° horn, **AM7212/95**:90° x 50° horn, **AM7212/00**: 100 °x 100° horn, **AM7212/26**: 120° x 60° horn	**AM7215/64**: 60° x 40° horn, **AM7215/66**: 60° x 60° horn, **AM7215/95**: 90° x 50° horn, **AM7215/26**: 120° x 60° horn





AM5212 & AM5215

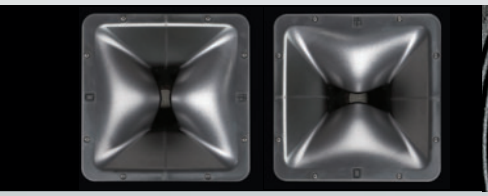
MEDIUM-POWER TWO-WAY FULL-RANGE LOUDSPEAKERS



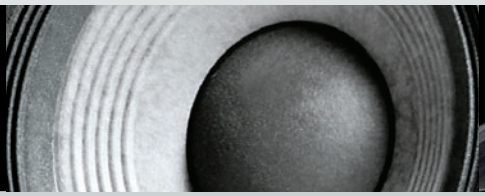
The AM5000 Series consists of AM5212 and AM5215 which offer nine medium-power two-way, full-range models featuring the same horn coverage patterns as the high-power AM7000 Series models.

The AM5000 Series utilizes Differential Drive® 2" dual voice coil dual gap woofers with 1.5" voice coil 2408H-1 compression drivers. All AE Series models are designed specifically to fit the needs of any discerning system designer for permanent installation applications.

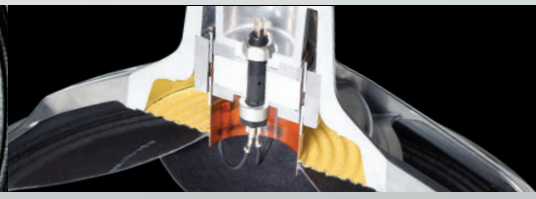
As technology gets more complex, our purpose is to ensure quality and maximum usability



Progressive Transition™ Waveguides
Provide excellent coverage control and are rotatable so the loudspeaker system can be used in either the vertical or horizontal orientation.



Differential Drive®
JBL's exclusive dual voice coil dual gap cone transducers featuring a unique design with heat sinks integrated into the cast aluminum frame is at the core of all new AM7000 and AM5000 Series loudspeakers.



Dual Voice Coil and Dual Gap Technology
The dual voice coil and dual gap places the neodymium magnets inside the dual voice coil assembly, completing the magnetic circuit without the heavy surrounding steel structure of conventional drivers.

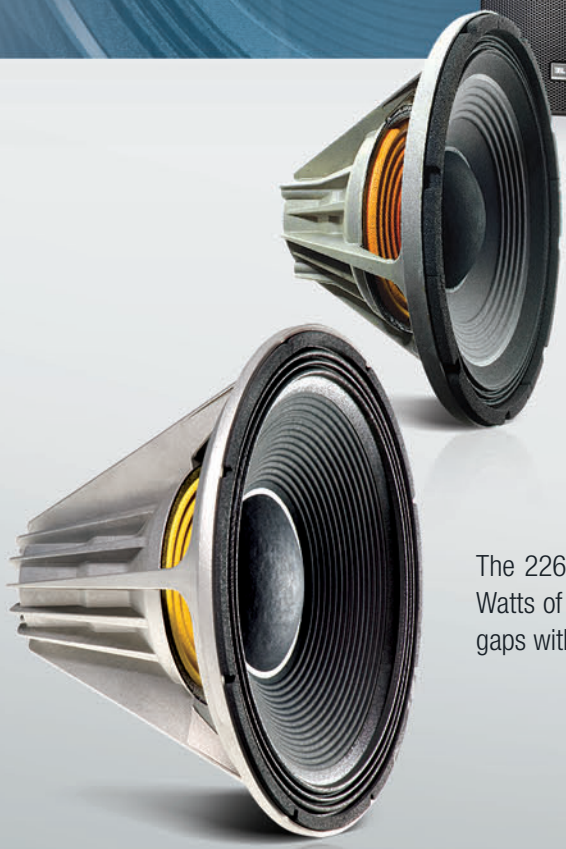
	AM5212 | Five AM5212 Horn Coverage Patterns	**AM5215** | Four AM5215 Horn Coverage Patterns
System Type:	12" Two-Way, Medium Power, Full-Range	15" Two-Way, Medium Power, Full-Range
LF Driver:	262H-1	265H-1
HF Driver:	2408H-1	2408H-1
Frequency Range (–10 dB):	37 Hz - 20 kHz	35 Hz - 20 kHz
Frequency Response (± 3 dB):	43 Hz - 18 kHz	41 Hz - 18 kHz
Sensitivity (1w / 1m):	Passive Mode: 96 dB	Passive Mode: 99 dB
Rated Maximum SPL (1m):	121 dB	124 dB
System Nominal Impedance:	8	8
Power Rating (2 hr Continuous Pink Noise)	400 W	500 W
Long-Term System Power Rating (IEC 100 hrs): (Continuous / Program / Peak)	300 / 600 / 1200 W	350 / 700 / 1400 W
Dimensions (H x W x D):	711 x 369 x 458 mm / 28 x 14.5 x 18 in	781 x 420 x 503 mm / 30.8 x 16.5 x 19.8 in
Weight:	20.2 kg (45 lb)	25.0 kg (55 lb)
Coverage:	**AM5212/64**: 60° x 40° horn, **AM5212/66**: 60° x 60° horn, **AM5212/95**:90° x 50° horn, **AM5212/00**: 100 ° x 100° horn, **AM5212/26**: 120° x 60° horn	**AM5215/64**: 60° x 40° horn, **AM5215/66**: 60° x 60° horn, **AM5215/95**: 90° x 50° horn, **AM5215/26**: 120° x 60° horn





ASB MODELS
HIGH-POWERED
SUBWOOFERS





JBL Patented technology In Every Model

JBL's Patented **Differential Drive**® dual-coil and dual-magnetic-gap lightweight woofers are at the core of all new ASB models providing high power, low distortion, extended response and excursion.

The 2269H 18" Driver utilized in the ASB7118 and ASB7128 models features 2000 Watts of continuous pink noise power handling, dual 4" voice coils and dual magnetic gaps with Vented Gap Cooling™ and a maximum excursion of 3.5".



	ASB6112	ASB6115	ASB6125	ASB7118	ASB7128
System Type:	Ultra-Compact High Power 12" Subwoofer	Compact High Power 15" Subwoofer	High Power Dual 15" Subwoofer	Ultra High Power 18" Subwoofer	Ultra High Power Dual 18" Subwoofer
Driver:	2263H 12" Woofer	2265H-1 15" Woofer	2 x 2265H-1 15" Woofers	2269H 18" Woofer	2 x 2269H 18" Woofers
Power Rating: (2 hrs. Continuous Pink Noise)	1000 W	800 W	1600 W	2000 W	4000 W
Sensitivity (1w / 1m):	96 dB SPL	97 dB SPL	100 dB SPL	96 dB SPL	99 dB SPL
Frequency Range (–10 dB):	35 Hz – 1 kHz	32 Hz – 1 kHz	32 Hz – 1 kHz	22 Hz – 1 kHz	20 Hz – 1 kHz
Frequency Response (± 3 dB):	43 Hz – 1 kHz	42 Hz – 1 kHz	38 Hz – 1 kHz	34 Hz – 1 kHz	25 Hz – 1 kHz
Dimensions (H x W x D):	406 x 369 x 483 mm 16 x 14.5 x 19 in	483 x 419 x 597 mm 19 x 16.5 x 23.5 in	965 x 419 x 597 mm 38 x 16.5 x 23.5 in	546 x 560 x 815 mm 21.5 x 22 x 32.1 in	1092 x 560 x 815 mm 43 x 22 x 32.1 in
Weight:	16.3 kg (36 lb)	20.6 kg (45.5 lb)	36.7 kg (81 lb)	42.9 kg (94.5 lb)	71.9 kg (158.5 lb)

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