

# AE SERIES

application engineered



**AM7000 Models**  
High-Powered Two-Way Full-Range Loudspeakers

**AM5000 Models**  
Medium-Powered Two-Way Full-Range Loudspeakers

**ASB Models**  
High-Powered Subwoofers





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## NINE MODELS AM7000

HIGH-POWER TWO-WAY, FULL-RANGE MODELS



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

|                                              |                                        |
|----------------------------------------------|----------------------------------------|
| System Type:                                 | 12" Two-Way, High Power, Full-Range    |
| LF Driver:                                   | 2262H                                  |
| HF Driver:                                   | 2432H                                  |
| Frequency Range (–10 dB):                    | 36 Hz - 20 kHz                         |
| Frequency Response (± 3 dB):                 | 42 Hz - 18 kHz                         |
| Sensitivity (1w / 1m):                       | Passive Mode: 95 dB                    |
| Rated Maximum SPL (1m):                      | 123 dB                                 |
| System Nominal Impedance:                    | 8                                      |
| Power Rating (2 hr Continuous Pink Noise):   | 700 W                                  |
| Long-Term System Power Rating (IEC 100 hrs): | 600 / 1200 / 2400 W                    |
| (Continuous / Program / Peak)                |                                        |
| Dimensions (H x W x D):                      | 711 x 369 x 458 mm / 28 x 14.5 x 18 in |
| Weight:                                      | 23.1 kg (51 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 | Four AM7215 Horn Coverage Patterns

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| System Type:                                 | 15" Two-Way, High Power, Full-Range        |
| LF Driver:                                   | 2265H                                      |
| HF Driver:                                   | 2432H                                      |
| Frequency Range (–10 dB):                    | 34 Hz - 20 kHz                             |
| Frequency Response (± 3 dB):                 | 42 Hz - 18 kHz                             |
| Sensitivity (1w / 1m):                       | Passive Mode: 96 dB                        |
| Rated Maximum SPL (1m):                      | 124 dB                                     |
| System Nominal Impedance:                    | 8                                          |
| Power Rating (2 hr Continuous Pink Noise):   | 750 W                                      |
| Long-Term System Power Rating (IEC 100 hrs): | 600 / 1200 / 2400 W                        |
| (Continuous / Program / Peak)                |                                            |
| Dimensions (H x W x D):                      | 781 x 420 x 503 mm / 30.8 x 16.5 x 19.8 in |
| Weight:                                      | 27.2 kg (60 lb)                            |



Coverage: AM7215/64: 60° x 40° horn, AM7215/66: 60° x 60° horn, AM7215/95: 90° x 50° horn, AM7215/26: 120° x 60° horn





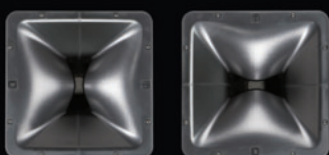
## NINE **ADDITIONAL** MODELS **AM5000**

### **MEDIUM-POWER TWO-WAY, FULL-RANGE MODELS**

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.

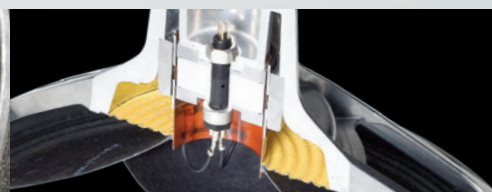


#### **Progressive Transition™ Waveguides**

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**

|                                              |                                        |
|----------------------------------------------|----------------------------------------|
| System Type:                                 | 12" Two-Way, Medium Power, Full-Range  |
| LF Driver:                                   | 262H-1                                 |
| HF Driver:                                   | 2408H-1                                |
| Frequency Range (-10 dB):                    | 37 Hz - 20 kHz                         |
| Frequency Response (± 3 dB):                 | 43 Hz - 18 kHz                         |
| Sensitivity (1w / 1m):                       | Passive Mode: 96 dB                    |
| Rated Maximum SPL (1m):                      | 121 dB                                 |
| System Nominal Impedance:                    | 8                                      |
| Power Rating (2 hr Continuous Pink Noise):   | 400 W                                  |
| Long-Term System Power Rating (IEC 100 hrs): | 300 / 600 / 1200 W                     |
| (Continuous / Program / Peak)                |                                        |
| Dimensions (H x W x D):                      | 711 x 369 x 458 mm / 28 x 14.5 x 18 in |
| Weight:                                      | 20.2 kg (45 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 | Four AM5215 Horn Coverage Patterns**

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| System Type:                                 | 15" Two-Way, Medium Power, Full-Range      |
| LF Driver:                                   | 265H-1                                     |
| HF Driver:                                   | 2408H-1                                    |
| Frequency Range (-10 dB):                    | 35 Hz - 20 kHz                             |
| Frequency Response (± 3 dB):                 | 41 Hz - 18 kHz                             |
| Sensitivity (1w / 1m):                       | Passive Mode: 99 dB                        |
| Rated Maximum SPL (1m):                      | 124 dB                                     |
| System Nominal Impedance:                    | 8                                          |
| Power Rating (2 hr Continuous Pink Noise):   | 500 W                                      |
| Long-Term System Power Rating (IEC 100 hrs): | 350 / 700 / 1400 W                         |
| (Continuous / Program / Peak)                |                                            |
| Dimensions (H x W x D):                      | 781 x 420 x 503 mm / 30.8 x 16.5 x 19.8 in |
| Weight:                                      | 25.0 kg (55 lb)                            |



Coverage: **AM5215/64:** 60° x 40° horn, **AM5215/66:** 60° x 60° horn, **AM5215/95:** 90° x 50° horn, **AM5215/26:** 120° x 60° horn



# FIVE SUBWOOFER MODELS

## AE SERIES EXTENDS **BASS** LIKE NEVER BEFORE



### 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<br>12" Subwoofer | Compact High Power<br>15" Subwoofer       | High Power<br>Dual 15" Subwoofer          | Ultra High Power<br>18" Subwoofer         | Ultra High Power<br>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:<br>(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<br>16 x 14.5 x 19 in     | 483 x 419 x 597 mm<br>19 x 16.5 x 23.5 in | 965 x 419 x 597 mm<br>38 x 16.5 x 23.5 in | 546 x 560 x 815 mm<br>21.5 x 22 x 32.1 in | 1092 x 560 x 815 mm<br>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)                       |

