

JBL

AM1015-STD, Low Frequency AM1015-SP Loudspeaker System

Architectural Series

Key Features:

- ▶ VGC™ (Vented Gap Cooling) low frequency transducers with 100 mm (4 in) diameter edgewound voice coils and SFG™ magnetic structure.
- ▶ Small format, light-weight trapezoidal enclosure for accurate cluster design.
- ▶ Multiple attachment points for efficient mounting.
- ▶ Options include: finish, color, input connectors, and grilles.
- ▶ Usable response to 40 Hz.
- ▶ 97 dB 1 W, 1 m sensitivity
- ▶ 600 watt power rating.¹

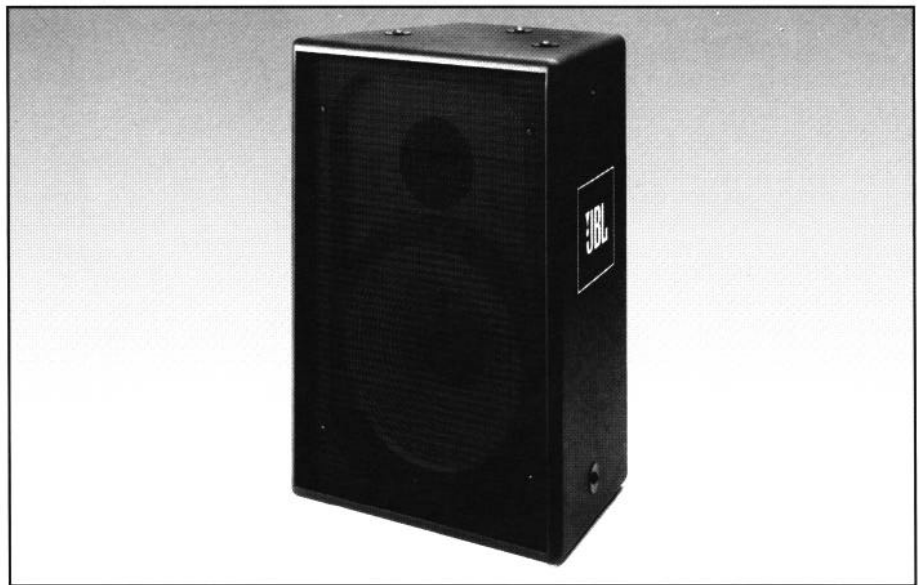
The JBL Architectural Series is a family of modular loudspeaker systems designed for fixed installation in applications ranging from speech reinforcement to large scale music reinforcement. All models in the series can be "built to order" to meet specific designer needs in details of finish, mounting and wiring, resulting in economy and time saving in the field. The "AM" (Architectural Miniature) models in the Series are specially designed as building blocks for smaller arrays.

Components

The AM1015 exhibits smooth power response, and its axial response extends to 1.8 kHz. The transducer used in the AM1015 features JBL's unique VGC™ (Vented Gap Cooling) technology for high power capacity and SFG™ (Symmetrical Field Geometry) for extremely low distortion at high operating levels.

Enclosure

The enclosure is made of high quality birch plywood and is trapezoidal, with front-to-back tapering of 15° on each side. All joints are either dado or rabbet type, and the standard model comes in a black textured paint finish. The enclosure has twelve internal corner mounted steel plate attachment points which accept 3/8 inch forged shoulder steel eye-bolts for maximum safety.²



Specifications:

| | |
|-----------------------------------|---|
| SYSTEM: | |
| Frequency Range (-10 dB): | 40 Hz to 2.5 kHz |
| Frequency Response (±3 dB): | 65 Hz to 2 kHz |
| Input Power Rating ¹ : | 600 watts continuous program |
| Rated Impedance: | 8 ohms |
| Minimum Impedance: | 7 ohms |
| Sensitivity ¹ : | 97 dB, 1 W at 1 m |
| Recommended Crossover: | High-pass: 30 Hz (12 dB/octave) Low-pass: 500 Hz to 1000 Hz (12 dB or 18 dB/octave) |
| COMPONENTS: | |
| Model: | 2226H |
| Diameter: | 380 mm (15 in) |
| ENCLOSURE: | |
| Shape: | Trapezoidal, 15° taper per side |
| Material: | High grade birch plywood |
| Attachment: | 12 points; accepts 3/8 in - 24 x 1-1/2 in forged shoulder steel eye bolts. ² |
| Attachment Load Rating: | 114 kg (250 lb) capacity per attachment point (5:1 safety factor straight pull) |
| Standard Finish: | Black textured paint |
| Standard Grille Material: | Black, fire retardant on hardwood frame |
| Standard Connector: | Barrier strip |
| Dimensions (H x W x D): | 679 mm x 483 mm x 333 mm (26-3/4 in x 19 in x 13-1/8 in) |
| Net Weight: | 29 Kg (65 lb) |
| Shipping Weight: | 34 Kg (75 lb) |
| CAUTION: | Suspending this system should only be done by qualified persons following safe rigging standards. |

¹ See individual component specification sheets for rating methodology and additional data

² Available from JBL as part number AS-ACC-EB1 or AS-ACC-EB2 (for weather-resistant models).

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.

► AM1015, AM1015-SP

Low Frequency Loudspeaker System

Options

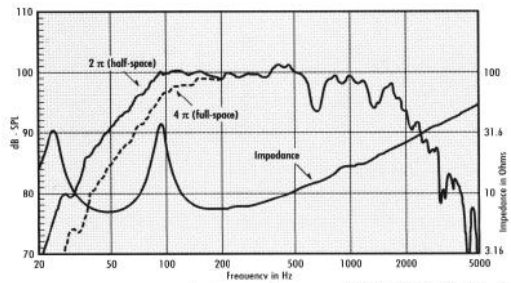
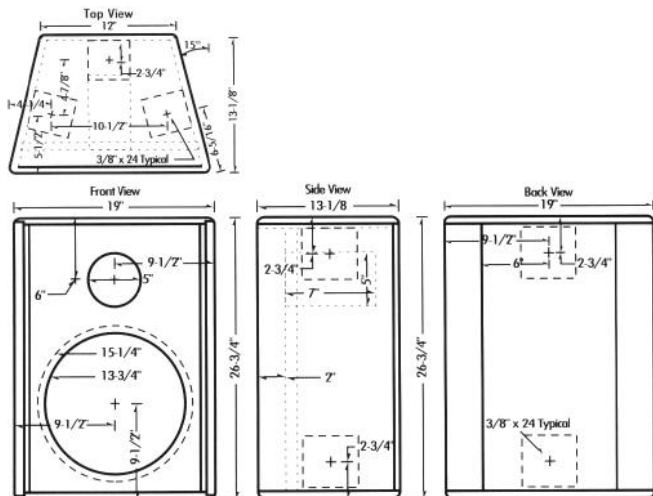
Optional finishes include a fiberglass covering for increased structural and surface durability, neutral paint which more easily facilitates repainting, and bare wood (premium Finnish birch) which can be stained to meet architectural requirements. The system can also be ordered without attachment points and with other options such as connectors.

For continued field support and recognition of loudspeaker configuration, once an option is incorporated into an Architectural Series product, it is no longer a standard (STD) model, but becomes a special (SP) model. The list of available options is continually growing. Contact JBL Professional for current Option Code offerings, availability and pricing.

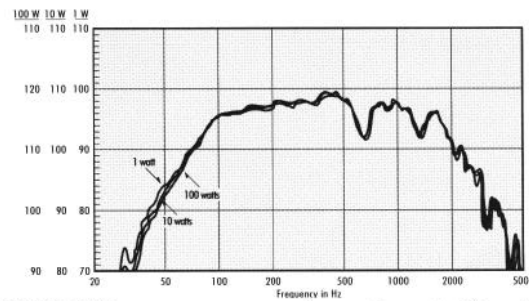
Architects and Engineers Specifications:

The low frequency system shall consist of a single 380 mm (15 in) diameter transducer mounted in a direct radiator ported enclosure. The transducer shall have a cast aluminum frame to resist warping, and the voice coil shall be wound of aluminum ribbon wire with a diameter of 100 mm (4 in). The enclosure shall be constructed of high grade birch plywood and have a trapezoidal profile with 15° front-to-back tapering per side for facility in arraying.

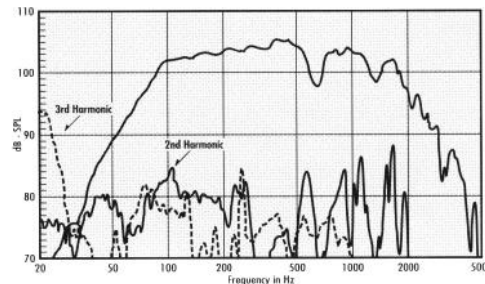
Performance specifications for a typical production unit shall be as follows: Under hemispherical free-field conditions, measured sensitivity shall be 97 dB at 1 m with 1 W swept input from 60 to 600 Hz. Usable low frequency output shall extend down to 40 Hz (-10 dB) and be flat at 65 Hz (-3 dB). Rated impedance shall be 8 ohms. The transducer shall be capable of 600 watts, continuous power input, with no greater than 4.0 dB of compression. The system shall be the JBL Architectural Series model AM1015. Other loudspeaker systems will be considered as equivalent provided that submitted data from a recognized independent test laboratory verify that the above performance specifications are met.



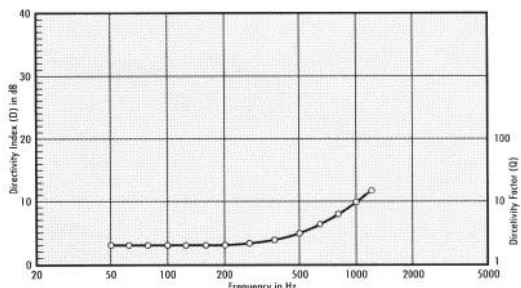
Frequency response and impedance, AM1015-STD, 2.83 volts input.



AM1015-STD power compression at 1 watt, 10 watts, and 100 watts, 4π (full space) measurement.



AM1015-STD fundamental, 2nd, and 3rd harmonic distortion (distortion raised 20 dB) at 60 watts input.



Directivity vs. frequency, AM1015-STD



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■ A Harman International Company