



# AFI-WA

## CONTRACTOR SERIES LOUDSPEAKER SYSTEM

### DESCRIPTION:

The **AFI-WA (WIDE ANGLE)** is a low-profile fill speaker with a rotatable horn, allowing easy integration for under balcony, stage lip, ceiling mount, or column mount applications. Its precisely aligned 3-way design eliminates inter-driver lobing and creates incredibly uniform wide-angle, off-axis coverage. The AFI-WA is perfect for fill applications in larger venues or as the main speaker in smaller venues.

### DRIVER COMPLEMENT:

**LOW FREQUENCY:** Apogee 8" (203mm) permanent magnet cone-type driver is treated with a waterproofing compound, providing resistance to moisture, and enabling long-term stability of cone resonance and cone mass parameters

**MID FREQUENCY:** One Apogee 6.5" (165mm) permanent magnet cone-type driver is treated with a waterproofing compound, providing resistance to moisture, and enabling long-term stability of cone resonance and cone mass parameters

**HIGH FREQUENCY:** One Apogee 1.4" (35.6mm) voice coil, 1.0" (25.4mm) exit horn-loaded compression driver thermally cooled with Ferrofluid

### INPUT CONNECTORS:

Barrier strip, screw type #8

### COMPATIBLE PROCESSORS:

DLC24 DIGITAL LOUDSPEAKER CONTROLLER

### HANDLES:

Two handles – one top, one bottom – designed as an integral part of the enclosure (no moving parts)

### GRILLE:

Highly durable, powder-coated finish on perforated steel (aluminum on SX version)

### RIGGING HARDWARE:

**Yoke:** Two rigging points, one on left side and one on the right side, to accept a yoke; points are backed with 16-gauge steel and can be type 3/8" – 16 or M10 thread

**OmniMount®:** Bolt pattern on back panel accepts 60.0 series mount

### FINISH:

Textured high-strength black or white epoxy paint; other colors optional

### ENCLOSURE TYPE:

10° trapezoidal, optimally-vented bass

### CABINET CONSTRUCTION:

Multi-ply hardwood with stainless steel fasteners

### OPTIONS/ACCESSORIES:

- DLC24 DIGITAL LOUDSPEAKER CONTROLLER
- SX weather treatment for use in limited exposure enclosures
- Assorted rigging components

### ENGINEERING DATA:

#### FORMAT:

Passive/Three-way

#### DISPERSION:

H: 120° x V: 45° (rotatable)

#### FREQUENCY RESPONSE (1M ON AXIS):

62 Hz to 17 kHz ± 3 dB

#### MAX. SPL (@1M):

117 dB cont./123 dB peak

#### PTML (PEAK TRANSIENT MECHANICAL LIMIT):

132 dB

#### SENSITIVITY (1W @ 1M):

94 dB

#### NOMINAL IMPEDANCE:

8 ohms

#### MAX. POWER HANDLING:

225W cont./900W peak

#### DIMENSIONS:

**front:** 9.7" (247mm) W x 26.4" (671mm) H

**rear:** 5.8" (148mm) W x 26.4" (671mm) H

**depth:** 12.7" (323mm)

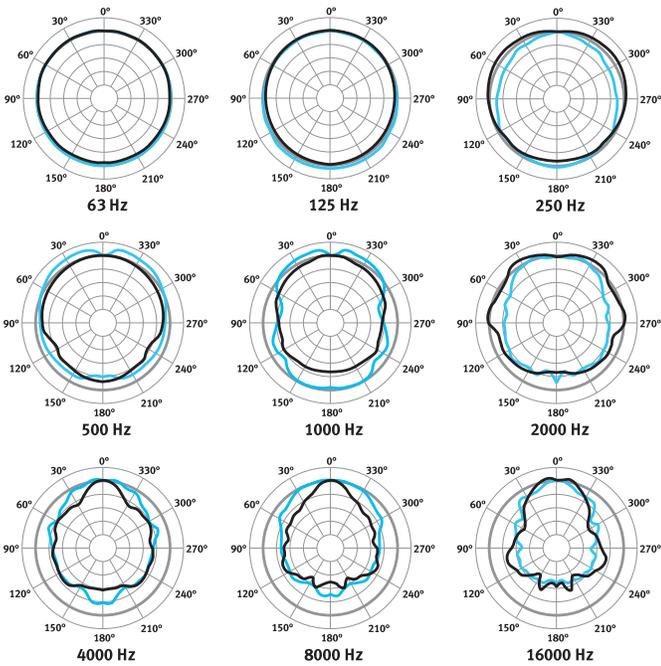
#### WEIGHT:

36 lb. (16.3 kg)

**APOGEE**  
SOUND INTERNATIONAL, LLC

## POLAR MEASUREMENTS AFI-WA

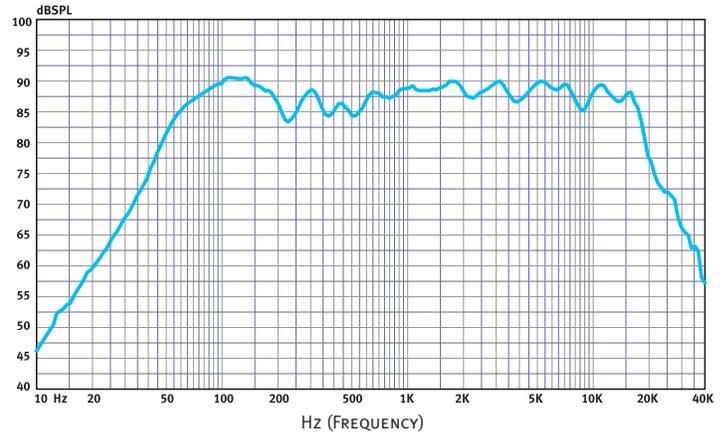
(Bold Ring= 0dB, 6 dB/division, normalized)



HORIZONTAL ———  
 VERTICAL ———  
 0dB ———

All polar measurements obtained in a free-field environment at 10° increments.

## FREQUENCY RESPONSE AFI-WA



Measured in a free-field anechoic environment using a swept one-third octave input.

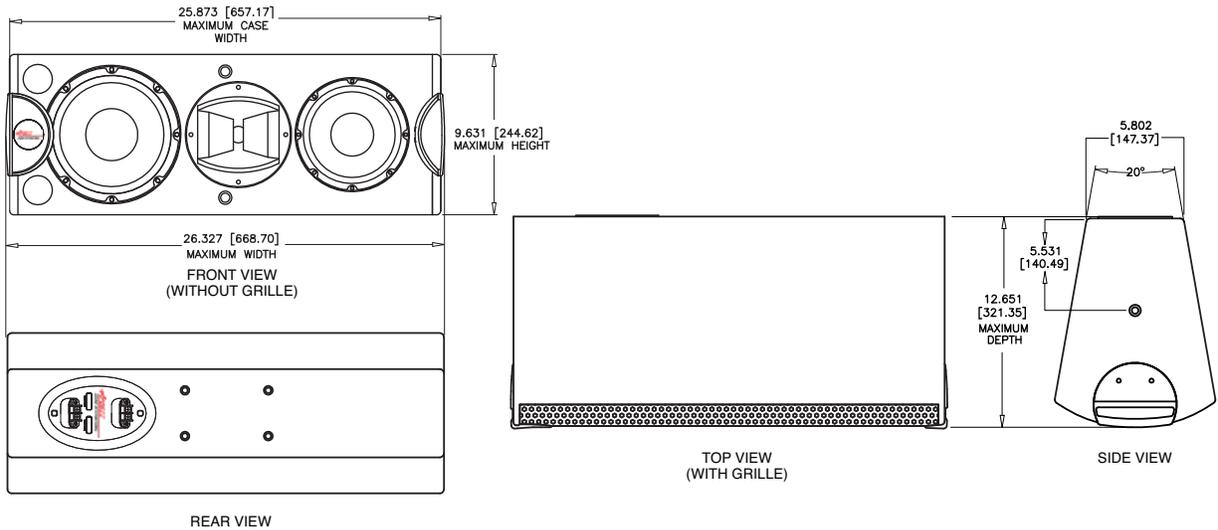
### PROCESSOR NOTES:

The DLC24 Digital Loudspeaker Controller is a digital engine with an analog surface. It combines the most advanced technology available with intuitive interfaces to provide the key elements that ensure optimal loudspeaker system performance and management in a variety of live sound and fixed installation applications.

The controller provides factory-set equalization curves to smooth the response, protect limiting, and active crossovers (for bi-amplified models and subwoofers). XLR Connector inputs and outputs are standard on the DLC24 Digital Loudspeaker Controller.

## DIMENSIONAL DRAWINGS: AFI-WA

(dimensions in inches and millimeters)



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