



# AE-8B

## CONCERT STAGE MONITOR SYSTEM

### DESCRIPTION:

The AE-8B bi-amped stage monitor features a unique articulated baffle allowing large format components to be contained in a low profile enclosure. The AE-8B is especially effective on large reverberant concert stages.

### DRIVER COMPLEMENT:

**LOW FREQUENCY:** One Apogee 15" (381mm) 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 2" (51mm) horn-loaded compression driver is treated with Ferrofluid® for greater power handling capability, lower distortion, and control of short-term impedance rise

### INPUT CONNECTORS:

Neutrik™ NL4MP Speakon™ connectors standard; Cannon EP series and gas-tight barrier strips optional

### COMPATIBLE PROCESSORS:

DLC24 Digital Controller

### GRILLE:

Powder-coated, diamond-punched steel with acoustic foam covering

### TRIM:

Protective steel skids on top and bottom edges; powder-coated for durability

### RIGGING HARDWARE:

Two 12-gauge steel nutplates mounted two on top, recessed, nominally flush; accepts 3/8"-16 thread, (10mm nutplate or Aeroquip Pan fittings optional); nutplates are backed with 12-gauge steel internal brackets

### FINISH:

Textured high-strength black epoxy paint; other colors optional

### ENCLOSURE TYPE:

Wedge style, optimally-vented bass, articulated baffle

### CABINET CONSTRUCTION:

Multi-ply birch with stainless steel fasteners

### ENGINEERING DATA:

#### FORMAT:

Bi-amped/Two-way/Electronically-coupled

#### DISPERSION:

H: 60° x V: 40°

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

46 Hz to 20 kHz  $\pm$  3 dB

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

127 dB cont./132 dB peak

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

143 dB

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

LF: 99 dB/100 Hz to 1 kHz

HF: 104 dB/1 kHz to 20 kHz

#### NOMINAL IMPEDANCE:

8 ohms, each driver

#### MAX. POWER HANDLING:

LF: 600W cont./2400W peak

HF: 150W cont./600W peak

#### DIMENSIONS:

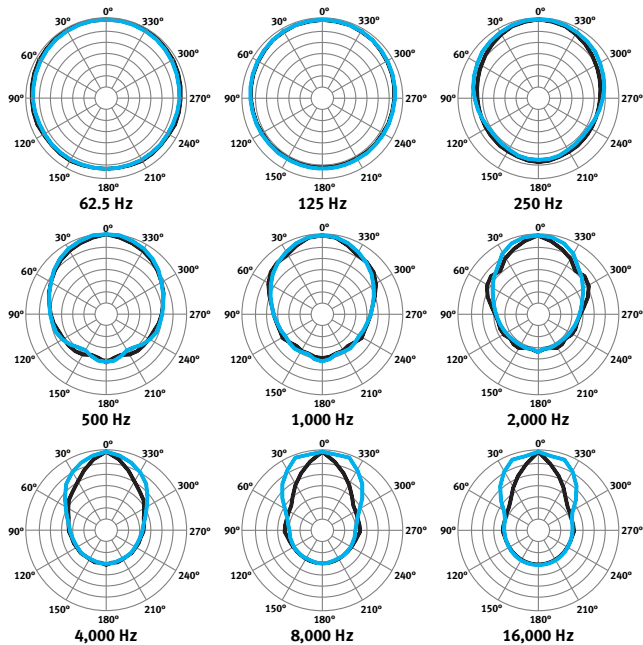
19.5" (495mm) W x 21.5" (546mm) H x

26.7" (678mm) D

#### WEIGHT:

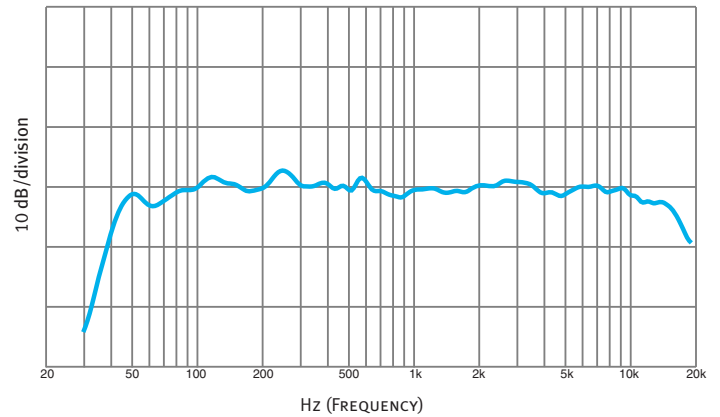
80 lb. (36 kg)

## POLAR MEASUREMENTS AE-8B (6 dB/division, normalized)



**HORIZONTAL** — All polar measurements obtained in a free-field environment at 10° increments.  
**VERTICAL** —

## FREQUENCY RESPONSE AE-8B (with controller)



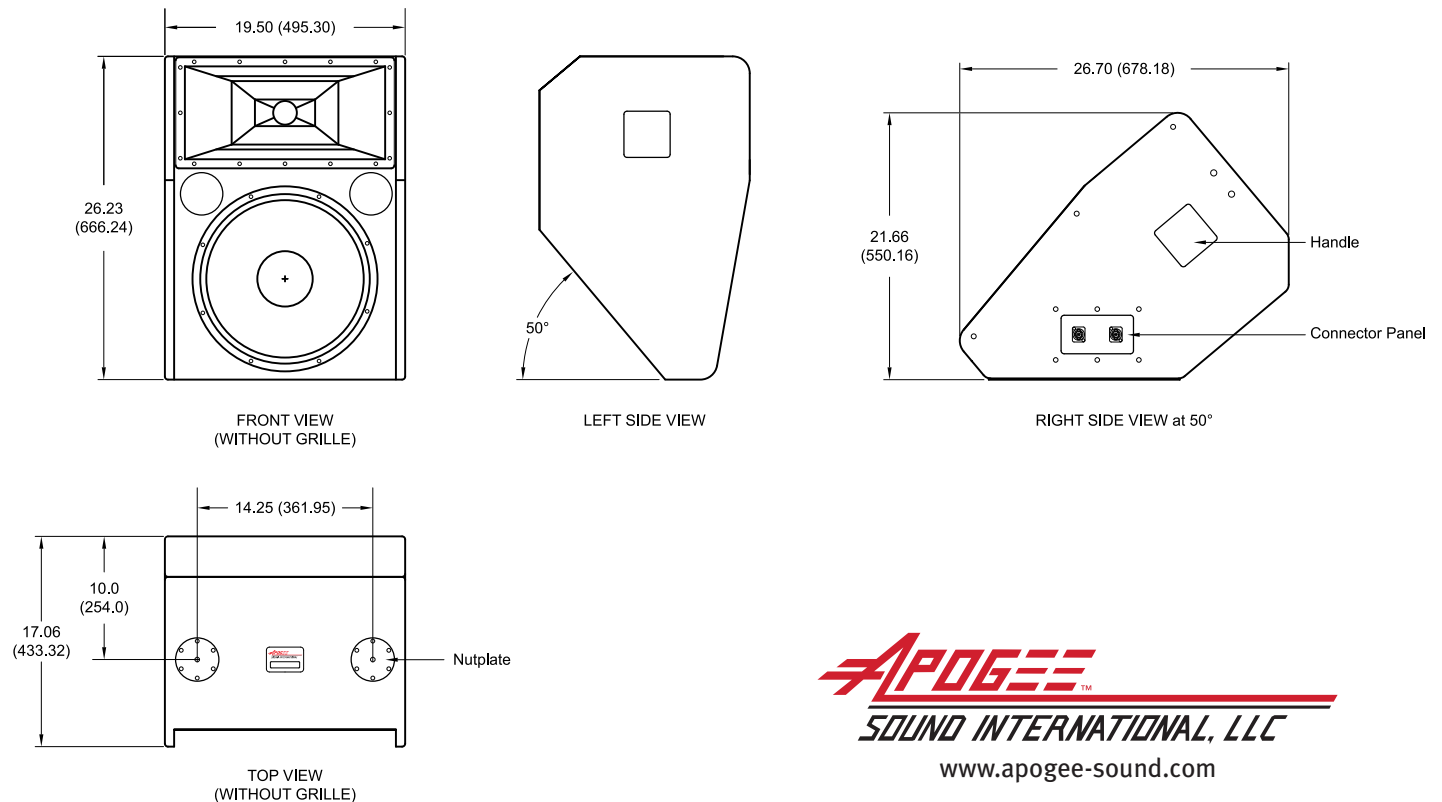
Measured in a free-field anechoic environment using a swept one-third octave input.

### 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, protective limiting, and active crossovers (for bi-amplified models and subwoofers).

## DIMENSIONAL DRAWINGS AE-8B (dimensions in inches and millimeters)



**APOGEE**  
 SOUND INTERNATIONAL, LLC  
 www.apogee-sound.com