



AE-6 pictured

# AE-6

## STAGE MONITOR (INCLUDES AE-6NC)

### DESCRIPTION:

The AE-6 and AE-6NC bi-amped stage monitors provide extremely high acoustic output with exceptionally low distortion in a low-profile, multi-angle enclosure.

### DRIVER COMPLEMENT:

**LOW FREQUENCY:** One Apogee 12" (305mm) 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" (25mm) throat composite diaphragm 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

### HANDLES:

Two handles designed as an integral part of enclosure (no moving parts)

### GRILLE:

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

### TRIM:

Optional protective steel trim pieces on top and bottom edges; powder-coated for durability

### RIGGING HARDWARE:

Four 12-gauge steel nutplates, mounted two on either end, 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:

Multi-angle floor monitor, optimally-vented bass

### CABINET CONSTRUCTION:

Multi-ply birch with stainless steel fasteners

### ENGINEERING DATA:

#### FORMAT:

Bi-amped/Two-way/Electronically-coupled

#### DISPERSION:

H: 45° x V: 90°

AE-6NC: 60° conical

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

53 Hz to 17 kHz ± 3 dB

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

125 dB cont./131 dB peak

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

144 dB

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

LF: 99 dB/100 Hz to 1 kHz

HF: 106 dB/1 kHz to 20 kHz

#### NOMINAL IMPEDANCE:

8 ohms, each driver

#### MAX. POWER HANDLING:

LF: 300W cont./1200W peak

HF: 150W cont./600W peak

#### DIMENSIONS:

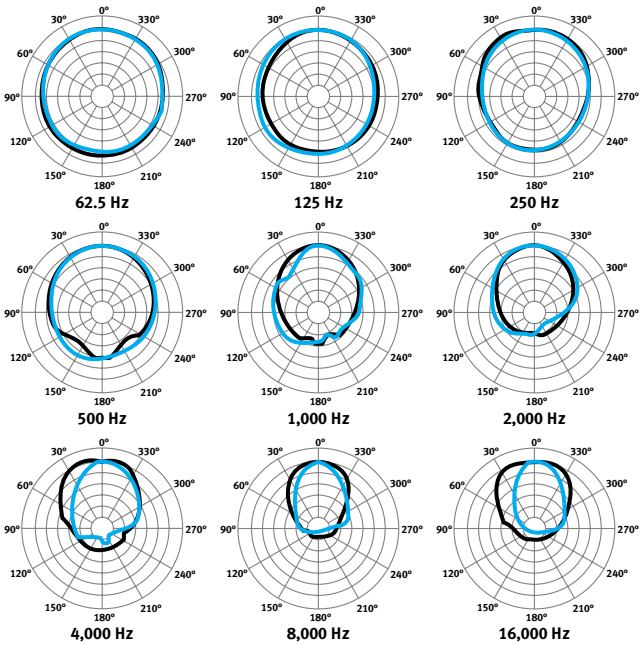
23" (584mm) W x 14" (356mm) H x 15.5" (394mm) D

#### WEIGHT:

66 lb. (30 kg)

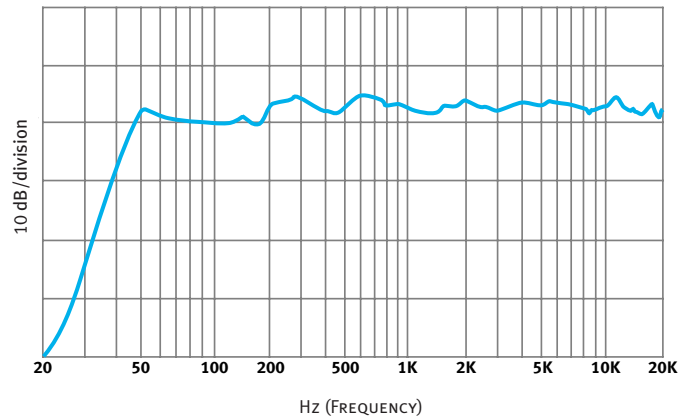
**APOGEE**  
SOUND INTERNATIONAL

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



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

## FREQUENCY RESPONSE AE-6 (with controller)



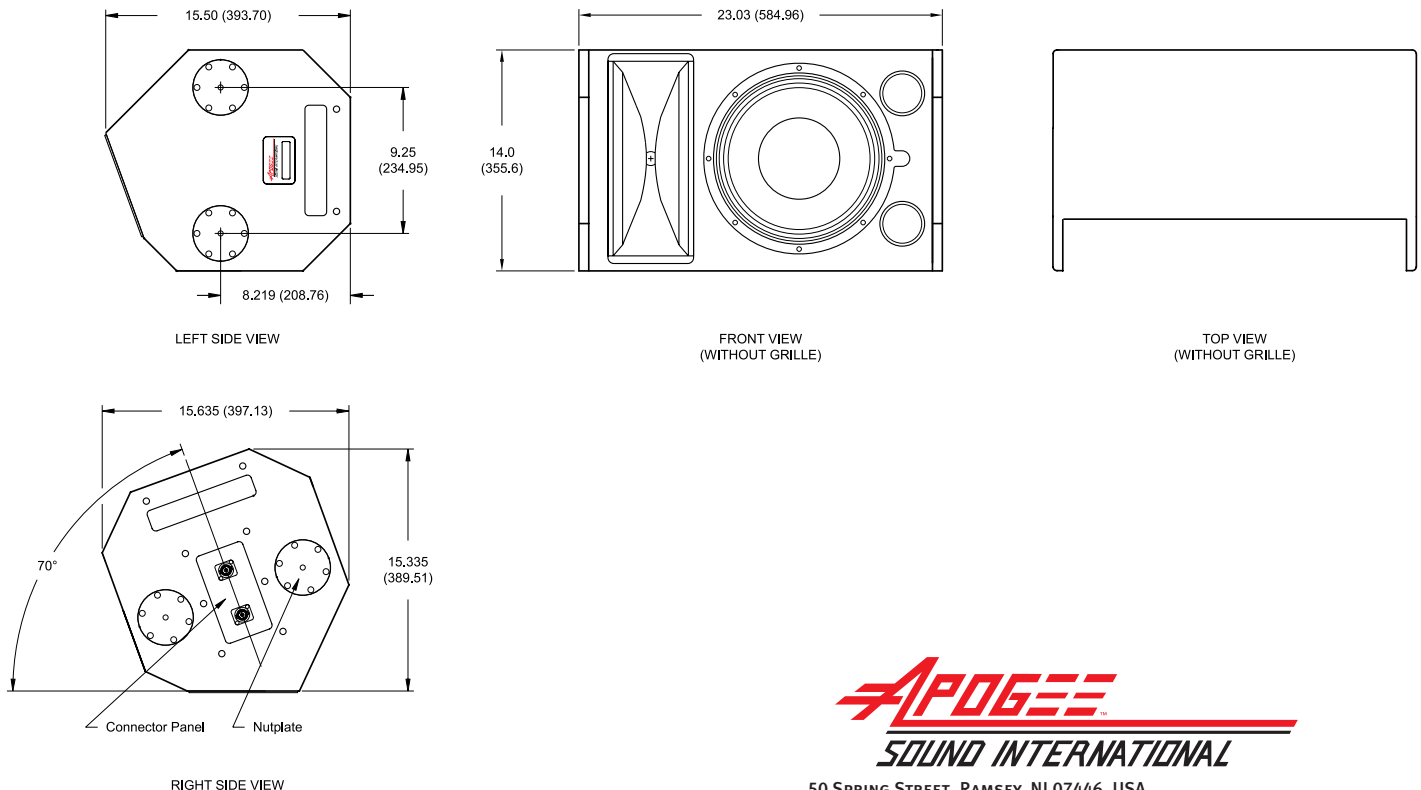
Measured in a free-field anechoic environment using a swept one-third octave input.

### 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-6 (dimensions in inches and millimeters)



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