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.

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.

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).
**Polar Measurements AE-6** (6 dB/division, normalized)

![Polar Measurement Diagrams](image)

**Frequency Response AE-6** (with controller)

![Frequency Response Graph](image)

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-amped models and subwoofers).

**Dimensional Drawings AE-6** (dimensions in inches and millimeters)

![Dimensional Drawings](image)