



# **DRIVER COMPLEMENT:**

<u>Low Frequency</u>: One Apogee 15"(381mm) permanent magnet conetype 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 10"(254mm) midrange cone driver is treated with a waterproofing compound (SX only\*)

HIGH FREQUENCY: One Apogee 1"(25mm) compression driver tweeter is treated with Ferrofluid® for greater power handling capability, lower distortion, and control of short-term impedance rise

# **COMPATIBLE PROCESSORS:**

**DLC24 Digital Controller** 

# **INPUT CONNECTORS:**

Neutrik  $^{\text{TM}}$  NL4MP Speakon  $^{\text{TM}}$  connectors standard; Cannon EP series and gas-tight barrier strips optional

#### HANDLES:

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

#### GRILLE:

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

#### Trim:

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

#### RIGGING HARDWARE:

Six 12-gauge steel nutplates, mounted three on top and three on bottom, 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:**

20° trapezoidal, fully horn-loaded, vented bass

# **CABINET CONSTRUCTION:**

Multi-ply birch with stainless steel fasteners

\* SX weather treatment for harsh environments

# **AE-9**

# CONCERT LOUDSPEAKER SYSTEM

#### DESCRIPTION:

The AE-9 is a bi-amped, three-way system offering exceptional power handling, smooth frequency response, and predictable directional control. It can be easily positioned in spaces that are too small for other horn-loaded systems, and is fully arrayable.

# **ENGINEERING DATA:**

#### FORMAT:

Bi-amped/Three-way/Electronically-coupled

#### **DISPERSION:**

H: 60° x V: 40°

# FREQUENCY RESPONSE (1M ON AXIS):

44 Hz to 20 kHz ±3 dB

## Max. SPL (@1m):

127 dB cont./133 dB peak

# PTML (PEAK TRANSIENT MECHANICAL LIMIT):

144 dB

# SENSITIVITY (1W @ 1m):

**LF:** 98 dB/44 Hz to 300 Hz

**MF & HF:** 101.5 dB/300 Hz to 17 kHz

# NOMINAL IMPEDANCE:

8 ohms, each driver

#### MAX. POWER HANDLING:

**LF:** 600W cont./2400W peak **MF:** 400W cont./1600W peak **HF:** 75W cont./300W peak

## **DIMENSIONS:**

front: 22"(559mm) W x 38"(965mm) H rear: 15"(381mm) W x 38"(965mm) H

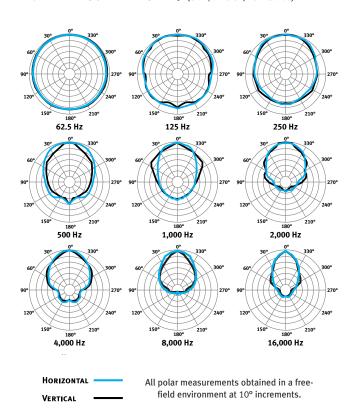
depth: 23"(584mm) D

WEIGHT:

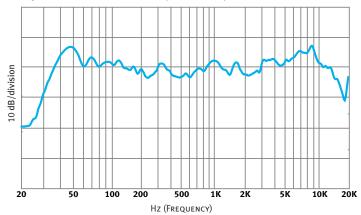
145 lb. (65.8 kg)



# POLAR MEASUREMENTS AE-9 (6 dB/division, normalized)



# FREQUENCY RESPONSE AE-9 (with controller)



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

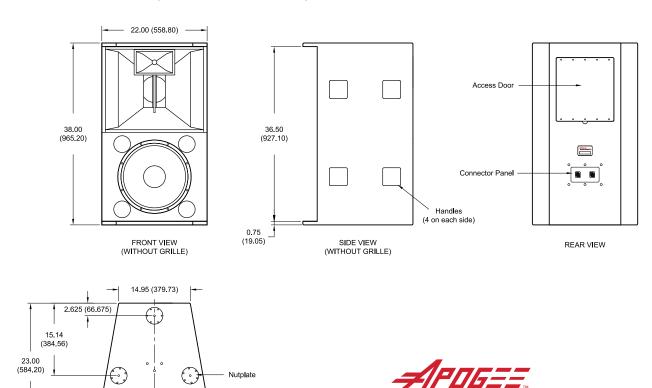
# **PROCESSOR NOTES:**

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).

SOUND INTERNATIONAL, LLC www.apogee-sound.com

# **DIMENSIONAL DRAWINGS AE-9** (dimensions in inches and millimeters)



TOP VIEW