



AE-4s2

LOUDSPEAKER SYSTEM

DESCRIPTION:

The AE-4s2 two-way, single-amped system offers very high acoustic output, low distortion, and a flat, full-range response, in a moderately sized enclosure.

DRIVER COMPLEMENT:

LOW FREQUENCY: One Apogee 12"(305mm) neodymium 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) 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

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 top and two on bottom, recessed, nominally flush; accepts 3/8"-16 thread (10mm nutplate optional); nutplates are backed with 12-gauge steel internal brackets

FINISH:

Textured high-strength black epoxy paint; other colors optional

ENCLOSURE TYPE:

20° trapezoidal, optimally-vented bass

CABINET CONSTRUCTION:

Multi-ply birch with stainless steel fasteners

ENGINEERING DATA:

FORMAT:

Single-amped/Two-way/Electronically-coupled

DISPERSION:

H: 90° x V: 45°

FREQUENCY RESPONSE (1M ON AXIS):

60 Hz to 16.5 kHz $\pm$ 3 dB

MAX. SPL (@1M):

125 dB cont./131 dB peak

PTML (PEAK TRANSIENT MECHANICAL LIMIT):

140 dB

SENSITIVITY (1W @ 1M):

101.5 dB/200 Hz to 4 kHz

NOMINAL IMPEDANCE:

8 ohms

MAX. POWER HANDLING:

200W cont./800W peak

DIMENSIONS:

front: 14.1" (358mm) W x 23" (584mm) H

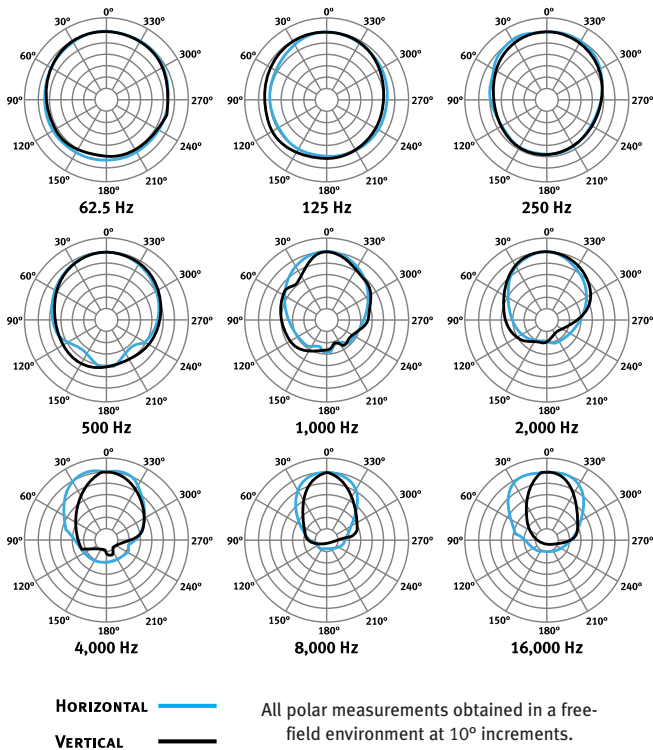
rear: 9.3" (236mm) W x 23" (584mm) H

depth: 16.5" (419mm)

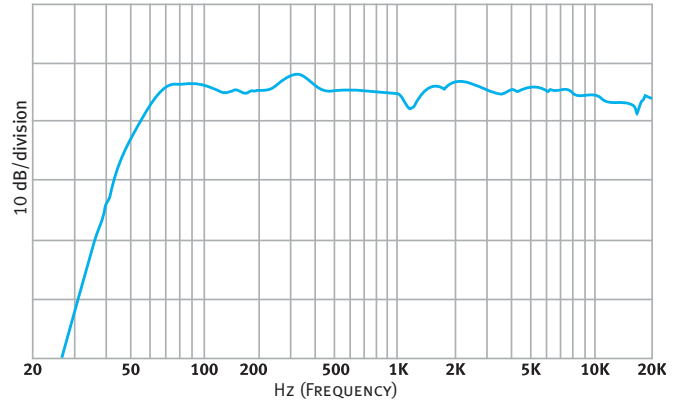
WEIGHT:

65 lb. (29.5 kg)

POLAR MEASUREMENTS AE-4s2 (6 dB/division, normalized)



FREQUENCY RESPONSE (with controller)



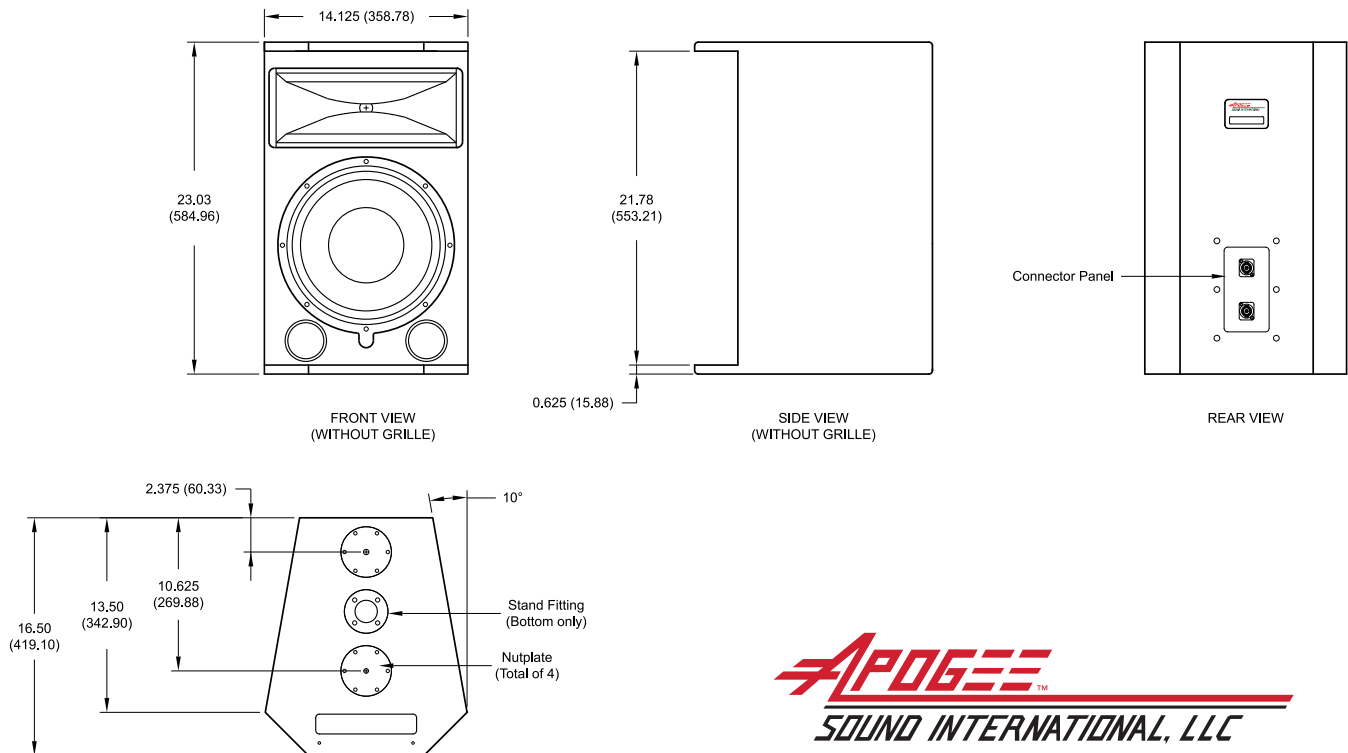
Measured in a free-field anechoic environment using a swept one-third octave input.

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-4s2 (dimensions in inches and millimeters)



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