

AE-12s2

CONCERT SUBWOOFER SYSTEM

DESCRIPTION:

The AE-12s2 subwoofer delivers a deep, accurate response, adding power and intense impact without "muddying" or coloring the upper frequencies. The AE-12s2 perfectly complements arrays of the AE fullrange models.

DRIVER COMPLEMENT:

Dual Apogee 18"(460mm) permanent magnet cone-type drivers are treated with a waterproofing compound, providing resistance to moisture, and enabling long-term stability of cone resonance and cone mass parameters; also treated with Ferrofluid® for greater power handling capability, lower distortion, and control of short-term impedance rise

INPUT CONNECTORS:

Neutrik[™] NL4MP Speakon[™] standard; Cannon EP series and gastight barrier strips optional

COMPATIBLE PROCESSORS:

DLC24 Digital Controller

HANDLES

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

GDILLE

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

TRIM:

Optional protective steel pieces on top and bottom edges; powdercoated for durability

RIGGING HARDWARE:

Four 12 gauge steel nutplates, mounted two on each side, recessed so as to be nominally flush; accepts 3/8"-16 thread (10mm nutplate or Aeroquip Pan fittings optional), nutplates are backed with 12 gauge steel internal brackets

ENCLOSURE TYPE:

Rectangular, optimally-vented bass

CABINET CONSTRUCTION:

Multi-ply birch with stainless steel fasteners

ENGINEERING DATA:

FORMAT

Single-amped/Electronically-coupled

DISPERSION:

Omni-directional

FREQUENCY RESPONSE (1M ON AXIS):

30 Hz to 105 Hz ± 3 dB

Max. SPL (@1m):

128 dB cont./134 dB peak

PTML (PEAK TRANSIENT MECHANICAL LIMIT):

145 dB

SENSITIVITY (1W @ 1m):

101 dB/20 Hz to 100 Hz

NOMINAL IMPEDANCE:

8 ohms, each driver; separate connections to each driver

MAX. POWER HANDLING:

1200W cont./4800W peak (600W cont./2400W peak, each driver)

DIMENSIONS:

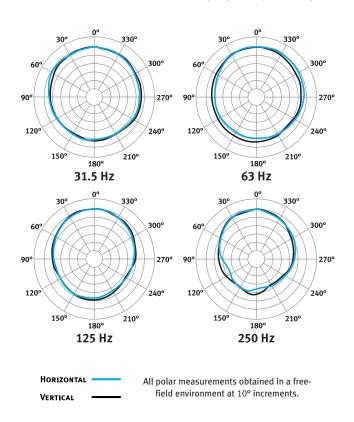
44.75" (1137mm) W x 30" (762mm) H x 22.5" (572mm) D

WEIGHT:

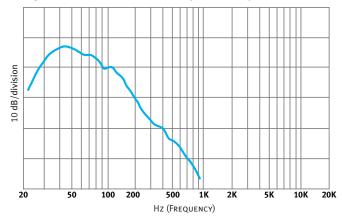
204 lb (92.6 kg)



POLAR MEASUREMENTS AE-12S2 (6 dB/division, normalized)



FREQUENCY RESPONSE AE-12S2 (with controller)



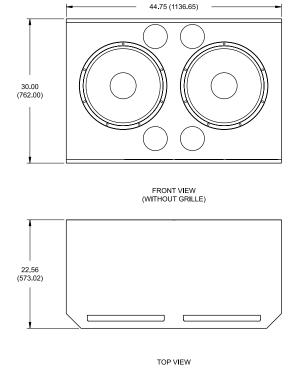
Measured in a free-field anechoic environment using a swept one-third octave input.

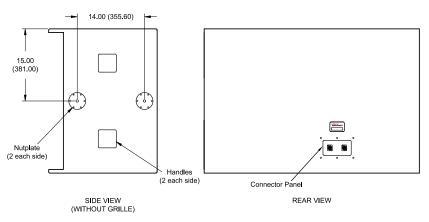
PROCESSOR NOTES:

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-12S2 (dimensions in inches and millimeters)







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