



AE-7SB

COMPACT SUBWOOFER SYSTEM

DESCRIPTION:

The AE-7SB is a powerful dual 15" subwoofer packaged in an easily transported, modest-sized enclosure. It is designed to stack or fly with the AE-7 loudspeaker system, and provides exceptionally tight bass response.

DRIVER COMPLEMENT:

Apogee Dual 15" (381mm) neodymium 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™ connectors standard; Cannon AP and gas-tight barrier strips optional

COMPATIBLE PROCESSORS:

DLC24 Digital Controller

HANDLES:

Six 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:

Eight 12-gauge steel nutplates, mounted four on top and four 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:

30° trapezoidal, 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):

42 Hz to 110 Hz $\pm$ 3 dB

MAX. SPL (@1M):

130 dB cont./136 dB peak

PTML (PEAK TRANSIENT MECHANICAL LIMIT):

145 dB

SENSITIVITY (1W @ 1M):

99 dB/45 Hz to 110 Hz

NOMINAL IMPEDANCE:

4 ohms

MAX. POWER HANDLING:

1200W cont./4800W peak

DIMENSIONS:

front: 24" (610mm) W x 38" (965mm) H

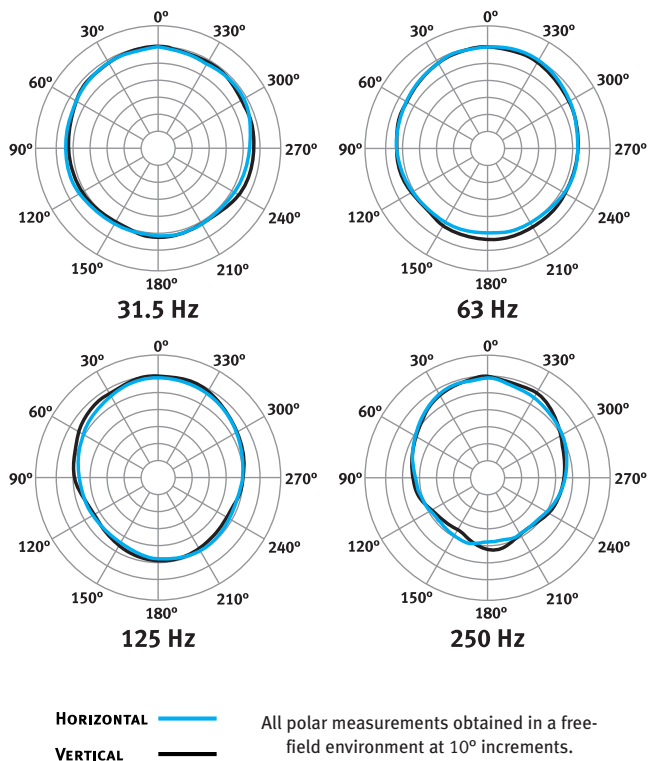
rear: 12.3" (313mm) W x 38" (965mm) H

depth: 25" (635mm)

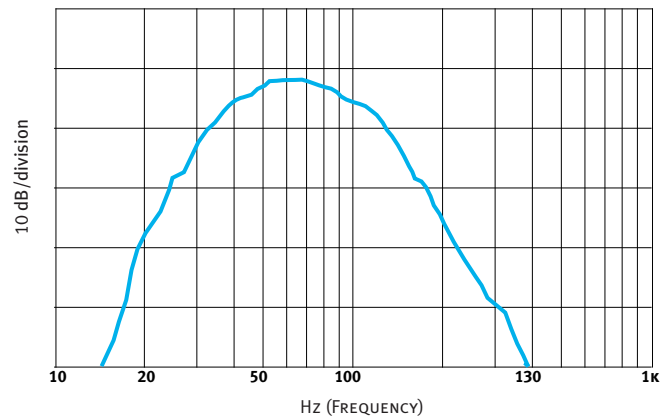
WEIGHT:

145 lb. (66 kg)

POLAR MEASUREMENTS AE-7SB (6 dB/division, normalized)



FREQUENCY RESPONSE AE-7SB (with controller)



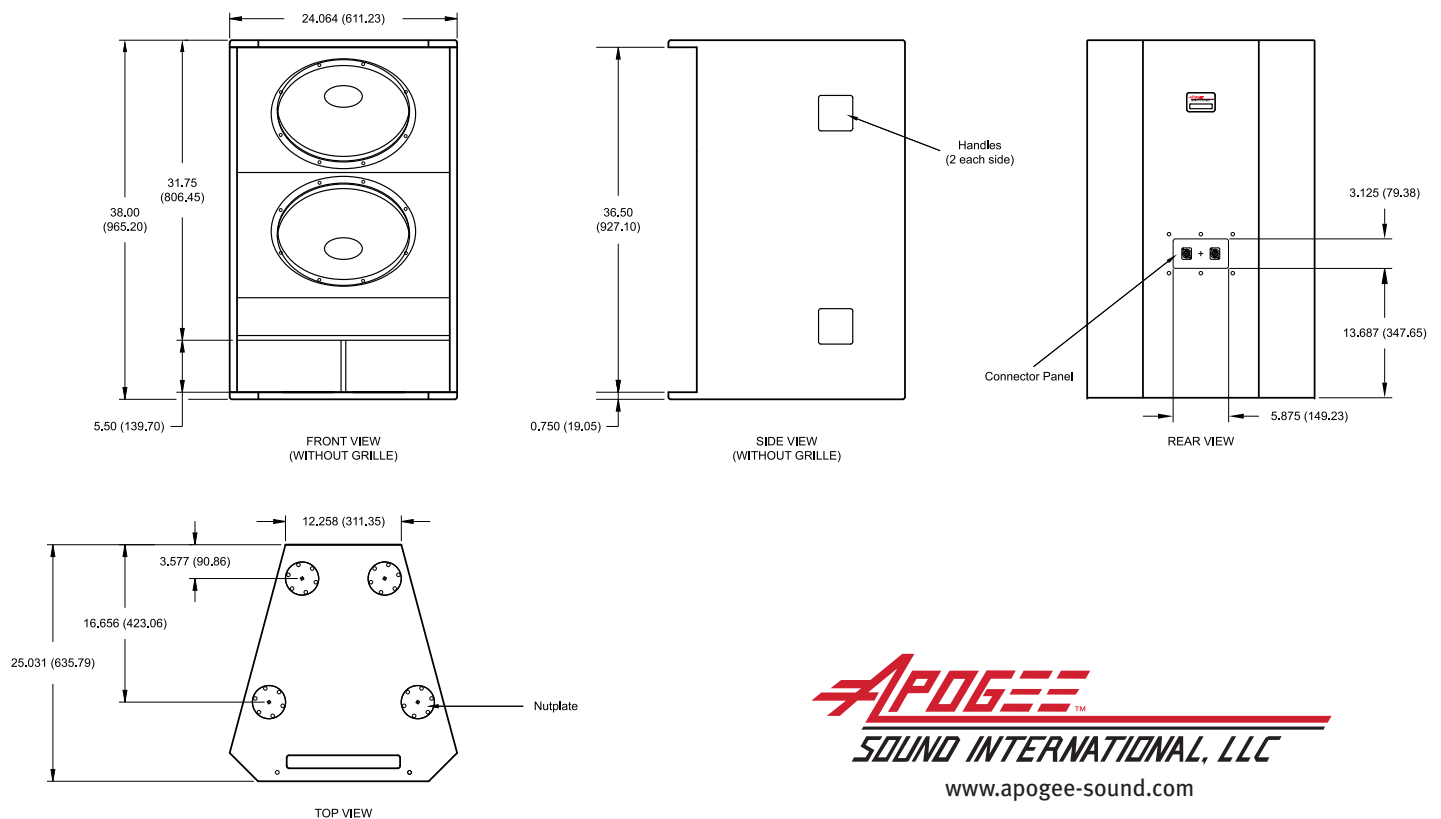
Measured in a free-field anechoic environment using a swept one-third octave input.

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-7SB (dimensions in inches and millimeters)



APOGEE
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