



# AFI-110

## SUBWOOFER SYSTEM

### DESCRIPTION:

The AFI-110 is an extremely compact yet powerful dual voice coil, long excursion subwoofer capable of extending the range of any small loudspeaker. The AFI-110 is small enough to fit just about anywhere allowing it to easily integrate into interiors. For smaller facilities, the dual voice coils allow a single unit to produce left and right low frequency signals.

### DRIVER COMPLEMENT:

One Apogee 10" (254mm) dual voice coil permanent magnet cone-type driver

### INPUT CONNECTORS:

Barrier strip, screw type #8

### COMPATIBLE PROCESSORS:

AFI-110 Controller or DLC24

### RECOMMENDED CROSSOVER:

LF cutoff 40 Hz, HF cutoff 200 Hz, 12 to 48 dB per octave

### HANDLES:

Two handles – one top, one bottom – designed as an integral part of the enclosure (no moving parts)

### GRILLE:

Powder-coated, perforated steel

### RIGGING HARDWARE:

**Yoke:** Two rigging points, one on each side, to accept a yoke; points are backed with 16-gauge steel and can be type 3/8" – 16 or M10 thread

**OmniMount®:** Bolt pattern on back panel accepts 60.0 series mount

### FINISH:

Textured high-strength black or white epoxy paint; other colors optional

### ENCLOSURE TYPE:

Rectangular, band-pass bass

### CABINET CONSTRUCTION:

Multi-ply hardwood with stainless steel fasteners

### OPTIONS/ACCESSORIES:

- AFI Controller (model specific Crossover, EQ, and limiting)
- "SX" weather treatment for harsh environments
- Assorted rigging components
- Cables

### ENGINEERING DATA:

#### FORMAT:

Band-pass

#### DISPERSION:

Omni-directional

#### FREQUENCY RESPONSE (1M ON AXIS):

48 Hz to 145 kHz  $\pm$  3 dB

#### MAX. SPL (@1M):

114 dB cont./120 dB peak

#### PTML (PEAK TRANSIENT MECHANICAL LIMIT):

131 dB

#### SENSITIVITY (1W @ 1M):

93 dB

#### NOMINAL IMPEDANCE:

8 ohms per voice coil

#### MAX. POWER HANDLING:

150W cont./600W peak

#### DIMENSIONS:

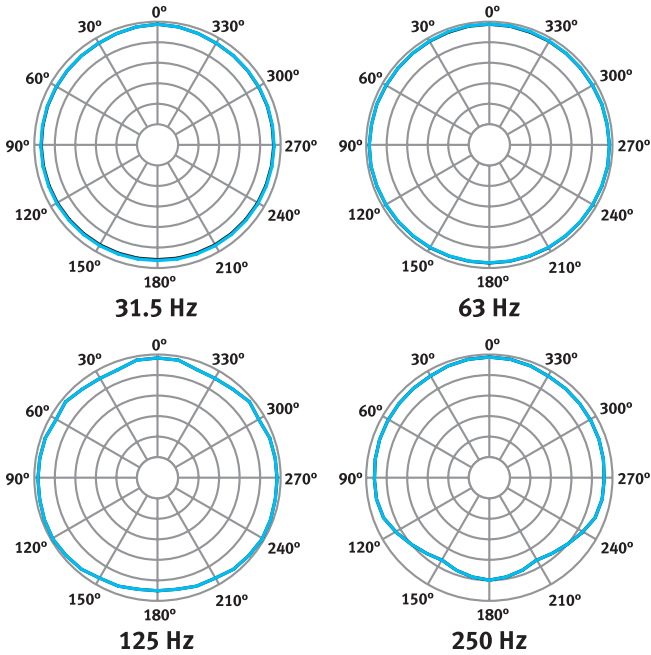
12.7" (232mm) W x 18.7" (475mm) H x  
16.25" (413mm) D

#### WEIGHT:

40 lb. (18 kg)

**APOGEE**  
SOUND INTERNATIONAL

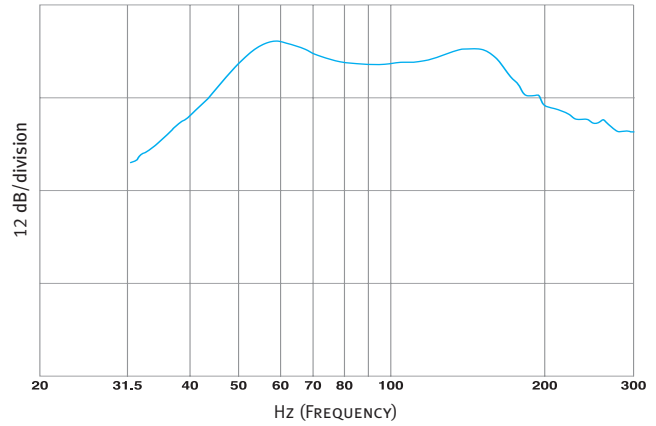
**POLAR MEASUREMENTS AFI-110** (6 dB/division, normalized)



Horizontal and vertical measurements are identical.

All polar measurements obtained in a free-field environment at 10° increments.

**FREQUENCY RESPONSE**



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

**PROCESSOR NOTES:**

The AFI Controller consists of an analog Main Frame which accepts four voicing modules. Modules are available for each of the different AFI loudspeaker types, with two module bays required for bi-amplified speakers.

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 controllers provide factory-set equalization curves to smooth the response, protective limiting, and active crossovers (for bi-amplified models and subwoofers). Inputs and outputs are available with either XLR connectors or barrier strips on the AFI Controller. XLR inputs and outputs are standard on the DLC24.

**DIMENSIONAL DRAWINGS** (dimensions in inches and millimeters)

