



# AFI-118

## SUBWOOFER SYSTEM

### DESCRIPTION:

The AFI-118 features a high power, long excursion, 18" (460mm) cone driver capable of deep, rich, and extremely powerful bass. It works perfectly in combination with the AFI-8 or other AFI full-range speakers. The AFI-118 is superb for multi-media presentations, clubs, churches, discos, concert halls, and theaters.

### DRIVER COMPLEMENT:

Apogee 18" (460mm) permanent 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

### INPUT CONNECTORS:

Barrier strip, screw type #8

### COMPATIBLE PROCESSORS:

AFI Main Frame Controller Chassis (using AFI-118 Module) or DLC24

### RECOMMENDED CROSSOVER:

Contact Apogee for full technical data on other DSP-based Processors

### HANDLES:

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

### GRILLE:

Highly durable, quality finish on perforated steel (aluminum on SX version)

### RIGGING HARDWARE:

Fourteen rigging points, four each on top and bottom, two each on both sides and rear, all backed with 16-gauge steel; points can be type 3/8"-16 or M10 thread

### FINISH:

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

### ENCLOSURE TYPE:

Rectangular, optimally-vented bass

### CABINET CONSTRUCTION:

Multi-ply hardwood

### OPTIONS/ACCESSORIES:

- AFI Controller Processor or DLC24 Digital Processor
- SX weather treatment for use in limited exposure enclosures
- Assorted rigging components

### ENGINEERING DATA:

#### FORMAT:

Front Loaded

#### DISPERSION:

Omni-directional

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

35 Hz to 70 Hz  $\pm$  3 dB

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

126 dB cont./132 dB peak

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

154 dB

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

98 dB SPL

#### NOMINAL IMPEDANCE:

8 ohms

#### MAX. POWER HANDLING:

600 W cont./2400 W peak

#### DIMENSIONS:

21" (534mm) W x 27" (686mm) H  
27.1" (689mm) D

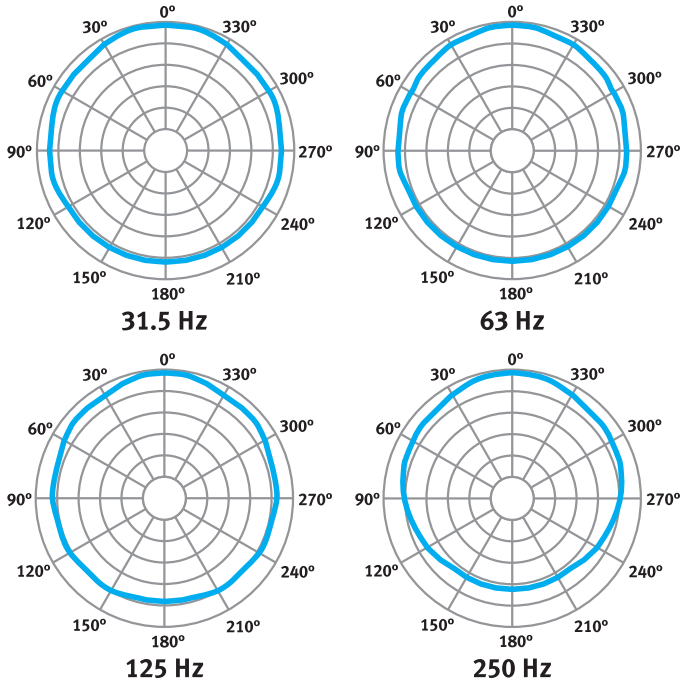
#### WEIGHT:

97 lb. (44 kg)

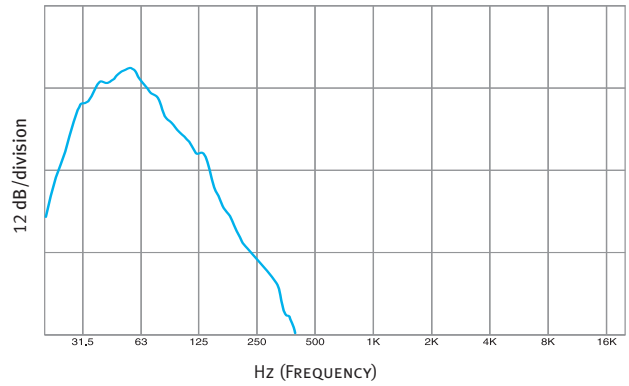
**Apogee**  
SOUND INTERNATIONAL, LLC

**POLAR MEASUREMENTS AFI-118** (6 dB/division, normalized)

**FREQUENCY RESPONSE AFI-118**



Horizontal and vertical measurements are identical.



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). Barrier strip inputs and outputs are standard on the AFI Controller. XLR inputs and outputs are standard on the DLC24.

**DIMENSIONAL DRAWINGS AFI-118** (dimensions in inches and millimeters)

