

## KEY FEATURES

- 15-inch Two-way High-output Stage System
- 350 Watts Continuous
- RMD™ for Improved Clarity and Presence

## General Product Description

The Electro-Voice Eliminator i™ is a high-peak output, high-efficiency two-way stage system. The 15-in. low-frequency/horn-loaded constant-directivity high-frequency system incorporates elements of Ring-Mode Decoupling (RMD™). RMD techniques substantially improve vocal fundamental intelligibility and produce an “up front” tonality capable of cutting through even difficult acoustic environments.

The Eliminator i™ enclosure has a unique design that presents a very minimal frontal cross section while still maintaining substantial internal volume. A newly developed handle concept allows for extremely comfortable transportation from any orientation. The design is light weight, but very rugged and features a heavy metal grille and highly stylized corner protection.

The heart of Eliminator i™'s high performance design is the combination of a high-excursion low-frequency suspension system with Electro-Voice's unique Ring-Mode Decoupling. All loudspeaker drivers exhibit mechanical resonance modes that add their own time-domain or ringing-mode colorations. These colorations limit and reduce overall system intelligibility. The Eliminator i™ uses RMD™ to control several fundamental mechanical ringing modes. The result is substantially improved vocal range intelligibility and system “openness”. When extended low-frequency operation is required, the performance can be further enhanced with the use of the Eliminator i™ Sub, which can be used in either biamp or full-range passive mode. Vented enclosures offer excellent power handling and low distortion in the lowest octave of rated operation. However, it is always advisable to filter material below enclosure tuning to further improve system output and headroom. The Eliminator i™ should be high-pass filtered to reduce subsonic material below 40 Hz.

## Specifications:

**Frequency Response, Measured at 10 feet on axis (normalized to 1 watt/ 1 meter):**

..... 50 - 20,000 Hz  $\pm 3$  dB

**Long-Term Average Power Handling, EIA Standard RS-426-A:**

..... 350 watts

**Sound Pressure Level, 1 W/1 m:** ..... 99 dB

**Dispersion Angle Included by 6-dB Down Points on Polar Responses, Indicate One-Third-Octave Bands of Pink Noise,**

2,500 Hz - 20,000 Hz, Horizontal: ..... 60° (+14°, -25°)

2,500 Hz - 20,000 Hz, Vertical: ..... 40° (+12°, -0°)

**Transducer Complement:**

**High Frequency:**

DH2010A

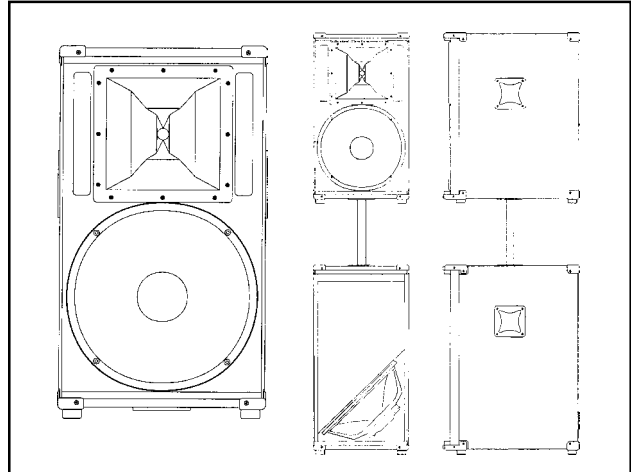
HP64M constant directivity

**Low Frequency:**

DL15BFH

**Enclosure Tuning:** ..... 50 Hz

# Eliminator i™



## Architects' and Engineers' Specifications

The loudspeaker system shall consist of a 38.1-cm (15-inch) low-frequency transducer in a vented enclosure. The high-frequency section shall be a compression driver with a pure titanium diaphragm coupled to a 1-inch throat diameter to a constant-directivity horn having a horizontal included angle (as referenced to -6 dB) of 60° and a vertical included angle of 40° nominal. The loudspeaker shall have a rated frequency response of 50 Hz to 20 kHz  $\pm 3$  dB and a long-term rated average power handling of 350 watts (EIA RS-426-A). The system sensitivity shall be 99 dB when measured in an anechoic environment with a 1-watt input with a calibrated measurement microphone located 1 meter from the system axis. The nominal impedance shall be 8 ohms. The system shall have parallel 1/4-in. phone jacks. The system shall include a 1 3/8-in. stand-mount adapter.

**Crossover frequency:** ..... 1600 Hz

**Impedance:**

Nominal ..... 8 ohms

Minimum ..... 5.3 ohms

**Input connectors:**

Parallel 1/4-inch phone jacks

**Enclosure Finish:** ..... Black carpeted

**Dimensions,**

**Height:** ..... 76.8 cm (30.25 in.)

**Wide:** ..... 42.9 cm (16.9 in.)

**Depth:** ..... 60.9 cm (24 in.)

**Net Weight:** ..... 34.4 kg (76 lbs)

**Shipping Weight:** ..... 38.1 kg (84 lbs)

**Supporting Products**

100BK speaker stand

Eliminator i™ Sub

Eliminator i™ Amplifier

# Electro-Voice®

