

## **PRIME BOOKSHELF**

### **Frequency Response and Electro-Acoustic Data:**

- Rated bandwidth: 48 Hz-25 kHz (+/-3 dB).
- Nominal impedance: 8 ohms.
- Sensitivity: 87 dB (2.83V @ 1 meter full-space, 300-3kHz).
- Recommended amplifier power: 20-150 watts.

### **Loudspeaker Physical Description:**

- Black ash and piano gloss black finish options.
- 5-way binding posts.
- 1.7" wide-flared rear-firing port.
- Cloth grille with pin/cup retention system.
- Elastomer stick-on bumper feet (adds 3mm to height).
- Cabinet Dimensions: 13.2" (H) X 8" (W) X 9.4" (D).
- Overall Dimensions: 13.3" (H) X 8" (W) X 10.3" (D) (includes grille, binding posts and bumper feet).
- Weight Unboxed: 15.5 pounds.

### **Driver Array and Technical Highlights:**

- 1" tweeter features FEA-optimized diffuser and aluminum dome.
- 6.5" woofer features long stroke motor and suspension, polypropylene cone, aluminum shorting ring, cast ABS-fiberglass composite basket and vented voice coil former.

### **SoundMatch Crossover Network:**

- 2-way crossover with premium-grade capacitors, air-core inductors and heavy-trace printed circuit boards.
- Crossover network delivers outstanding phase coherency and time domain behavior.
- Tweeter-to-woofer crossover: 2.3 kHz (12 dB/octave slopes).

### **Cabinet Construction Technical Highlights:**

- Acoustically transparent and FEA optimized grilles minimize diffraction.
- Chamfered front baffle and flush-mounted drivers reduce edge diffraction and improved on-axis high frequency response.
- FEA-optimized cabinet and bracing eliminates resonances.