Reference Connoisseur Series

**RC-70 Tower Speaker**
- **Components:** 1" Aluminum Dome Tweeter
  - 5-1/2" Ribbed Elliptical Surround
- **Dimensions:** HxWxD: 39-7/8 x 7-3/4 x 15 (inches)
  - 94.2 x 20.9 x 39.6 (cm)
- **Weight:** 59.6 lb / 27.1 kg
- **Finishes:** Black Ash; Cherry; Rosenut - Real Wood Veneers
- **Includes:** Spike Kit, Rubber Bumpers
- **Recommended Amplifier Power:** up to 250 Watts
- **Impedance:** 8 Ohms nominal / 4 Ohms minimum
- **Frequency response:** 33 Hz ~ 23 kHz +/- 3 dB
- **Anchic Sensitivity:** 91 dB
- **Usable Response:** -10 dB Anechoic @ 28 Hz
- **Anechoic Sensitivity:** 92 dB
- **2 speakers in a typical room:** 94 dB
- **Crossover Points:** 1.0 kHz and 2.4 kHz

**RC-50 Tower Speaker**
- **Components:** 1" Aluminum Dome Tweeter
  - Two 6-1/2" Ribbed Elliptical Surround Woofers
- **Dimensions:** HxWxD: 39-7/8 x 7-3/4 x 15 (inches)
  - 94.2 x 20.9 x 39.6 (cm)
- **Weight:** 51 lb / 23.2 kg
- **Finishes:** Black Ash; Cherry; Rosenut - Real Wood Veneers
- **Includes:** Spike Kit, Rubber Bumpers
- **Recommended Amplifier Power:** up to 225 Watts
- **Impedance:** 8 Ohms nominal / 4 Ohms minimum
- **Frequency response:** 33 Hz ~ 23 kHz +/- 3 dB
- **Anchic Sensitivity:** 91 dB
- **Usable Response:** -10 dB Anechoic @ 28 Hz
- **Anechoic Sensitivity:** 92 dB
- **2 speakers in a typical room:** 94 dB
- **Crossover Points:** 1.0 kHz and 2.4 kHz

**RC-30 Tower Speaker**
- **Components:** 1" Aluminum Dome Tweeter
  - Two 5-1/2" Ribbed Elliptical Surround Woofers
- **Dimensions:** HxWxD: 33-1/2 x 6-1/2 x 12 (inches)
  - 87.4 x 17.7 x 31.2 (cm)
- **Weight:** 41 lb / 18.6 kg
- **Finishes:** Black Ash; Cherry; Rosenut - Real Wood Veneers
- **Includes:** Spike Kit, Rubber Bumpers
- **Recommended Amplifier Power:** up to 200 Watts
- **Impedance:** 8 Ohms nominal / 4 Ohms minimum
- **Frequency response:** 40 Hz ~ 23 kHz +/- 3 dB
- **Anchic Sensitivity:** 86 dB
- **Usable Response:** -10 dB Anechoic @ 33 Hz
- **Anechoic Sensitivity:** 89 dB
- **2 speakers in a typical room:** 92 dB
- **Crossover Points:** 1.0 kHz and 2.4 kHz

**RC-10 Bookshelf Speaker**
- **Components:** 1" Aluminum Dome Tweeter
  - Two 6-1/2" Ribbed Elliptical Surround Woofers
- **Dimensions:** HxWxD: 9-3/4 x 12 x 6-1/8 (inches)
  - 24.7 x 30.4 x 16.7 (cm)
- **Weight:** 13.9 lb / 6.3 kg
- **Finishes:** Black Only
- **Includes:** Wall Mount Bracket, Rubber Bumpers
- **Recommended Amplifier Power:** up to 125 Watts
- **Impedance:** 8 Ohms nominal / 4 Ohms minimum
- **Frequency response:** 58 Hz ~ 23 kHz +/- 3 dB
- **Anchic Sensitivity:** 87 dB
- **Usable Response:** -10 dB Anechoic @ 52 Hz
- **Anechoic Sensitivity:** 88 dB
- **2 speakers in a typical room:** 91 dB
- **Crossover Points:** 1.0 kHz and 2.4 kHz
As the name suggests, everything about the Reference Connoisseur Series is designed to meet the standards of those with discriminating taste, in terms of both aesthetics and audio reproduction. Following in the longstanding tradition of the Reference Connoisseur name, this latest incarnation reaches even higher levels of performance and style. The result is truly outstanding sound reproduction that will excite your every sensation.

To achieve the output levels required by today’s movies and music, the woofer cone must be rigid, while being as lightweight as possible to react quickly. Energy’s engineers chose Kevlar™ as the woofer and midrange material for its incredible strength and uniformity. The Kevlar™ cone material was then further customized by choosing a proprietary weave and thickness and applying an aqueous coating to push resonance beyond the operating range of the driver.

Energy’s engineers have created a surround unlike any other. By changing the shape of the speaker surround to an ellipse instead of a traditional “half roll”, surround distortion is reduced to zero. Side benefits include increased excursion and larger piston area, for greater efficiency. All the cast basket woofers also feature our patented “ribs” that allow the surround to stretch and contract as it moves, eliminating dimpling.

In order to extract the most bass from any tower enclosure, multiple woofers are used. This generates impressive low frequencies but often midrange performance suffers. With the goal of designing the most accurate speakers, Energy created its Tapered Crossover system. This allows the top woofer to act as both a midrange and woofer, while the lowerwoofer acts only as a woofer. This separation of frequencies allows for the smoothest and most articulate response possible.

Tapered Crossover

Perfectly combining technology and design

Classic contemporary design and cutting-edge engineering are the hallmarks of the Reference Connoisseur Series. The rigid MDF cabinets feature real wood Cherry, Rosenut or Black Ash veneers that are meticulously crafted for a fit and finish that is second to none. The same attention to detail can be seen in the cast woofer and tweeter baskets, as well as the high gloss black bases. To attain the highest levels of tonal accuracy and balance, the Reference Connoisseur Series features exclusive technologies and innovative engineering in every tower, bookshelf, center, rear or subwoofer.

Medium Density Fiberboard Construction

MDF is used throughout the entire Reference Connoisseur Series of products due to its inherent strength and non-resonant characteristics. Reference Connoisseur floorstanding cabinets also use our patented Interloc™ bracing system, a full-length window brace that in not only incredibly rigid, but does not reduce internal volume. The result is a cabinet with greater rigidity, resulting in greater performance and dynamic response.

Patented Ribbed Elliptical Surround

Energy’s engineers have created a surround unlike any other. By changing the shape of the speaker surround to an ellipse instead of a traditional “half roll”, surround distortion is reduced to zero. Side benefits include increased excursion and larger piston area, for greater efficiency. All the cast basket woofers also feature our patented “ribs” that allow the surround to stretch and contract as it moves, eliminating dimpling.

Kevlar™ Cones

Every Reference Connoisseur model features our exclusive 1” chambered Hyperbolic™ aluminum dome tweeter. Enclosed within its own chamber, the tweeter is separated acoustically from the other drivers in the system. This allows Energy’s engineers to cross the tweeter over at a very low frequency, resulting in greater dispersion and power handling.

Chambered Tweeter

Medium Density Fiberboard Construction

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