

## A SIGNIFICANT ADVANCE IN SPEAKER TECHNOLOGY

The **Energy 22** has set very high standards of accuracy and soundstage re-creation capabilities, making it one of the most successful new products in the high-end market and winning accolades from audiophiles in Canada and abroad.

In order to achieve these high goals in developing the **Energy 22**, the design team led by George Baker and Winslow Burhoe conducted extensive research in three major areas: transducer and enclosure resonance, crossover phase coherence, and stereo imaging characteristics. The results of this research indicated that new approaches would have to be taken in a number of key areas in order to achieve the design objectives for the **Energy 22**.

These fresh approaches to familiar and recurring problems of speaker design resulted in a conceptually unique speaker which, while requiring more care and effort in the manufacturing process, nevertheless pays off in superb performance.

Perhaps the most revolutionary aspect of the **Energy 22** is the *Energy Dual Hyperdome* tweeter. Designed by George Baker and Winslow Burhoe specifically for use in the **Energy 22**, the *Dual Hyperdome* is unlike any tweeter available and is produced only in our own labs. It has superb dispersion characteristics on both the vertical and the horizontal plane, and eliminates many of the transducer resonances which plague other tweeter designs.

To complement the *Dual Hyperdome* tweeter, the Energy engineers designed a 7" polypropylene woofer with excellent damping characteristics, fast transient response, and the ability to reproduce very deep bass fundamentals. A sophisticated crossover network with virtually zero phase shift ensures that frequency response remains smooth across the entire spectrum, and

a heavily braced and damped cabinet allows the transducers to perform in a sonically inert, uncoloured environment.

As a result, every **Energy 22** loudspeaker delivers performance that is a unique combination of accuracy and excitement virtually unmatched by other loudspeaker designs. Perhaps the most striking feature of the **Energy 22's** performance is its ability to re-create an incredibly life-like, three-dimensional soundstage. So exciting is the **Energy 22's** stereo imaging capability that listeners comment they feel as though the performers are right in the room with them. After all in the Webster's dictionary the word stereo is defined as three-dimensional.

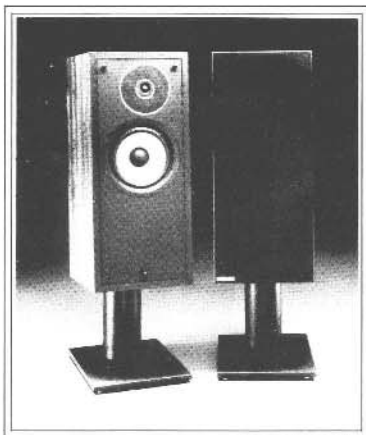
### Energy 22 Reference Connoisseur

Now available in special limited editions, the *Reference Connoisseur* offers the discerning consumer even further refinements of design and performance. Thicker cabinet walls strengthened with ten 1"-thick braces,

internal angles which are different from one another to eliminate standing waves inside the cabinet, and a special port arrangement in the speaker stand for further extended bass response are just some of the advance features of the *Reference Connoisseur*. All parts are matched to tolerances between left and right speakers, ensuring outstanding soundstage re-creation. And the *Reference Connoisseur* is available in a variety of elaborate woods and

lacquers, making it one of the most beautiful loudspeakers on the market.

Whichever version you choose, you can be certain the **Energy 22** will provide you with a level of musical excitement and realism few speakers have ever attained at any price.



ENERGY 22 PRO MONITOR



ENERGY 22 REFERENCE CONNOISSEUR

## ENERGY 22 SPECIFICATIONS

### ENERGY 22 PRO MONITOR

Base reflex with Rear Port, 2 way mirror-imaged speakers matched 1/2 dB Left and Right.

**Tweeter** 1 1/2" Dual Hyperdome™ tweeter for excellent dispersion, low resonance, and high speed definition.

**Woofers** 7" Polypropylene cone woofers, with unique P.V.C. stitched suspension.

**Freq. Response** 28Hz – 45 KHz ± 3 dB on axis.  
28Hz – 20 KHz ± 2 dB at 30° off-axis.

**Crossover** 18 dB/octave slope at 1.5KHz.

**Sensitivity** 86 dB SPL/W/M.

**Impedance** 8 ohms nominal.

**Recommended Amplifier Power** 20 Watts minimum – 200 Watts maximum.

**Dimensions** 24 3/8" High x 10 1/2" Wide x 12" Deep. Height with stands 34 1/2".

**Weight** 34 lbs. each.

**Finish** Cabinet: Walnut Grain Vinyl Veneer.

Grille: Limited Diffraction Frame with Black sag resistant fabric.

**Warranty** 5 years Parts and Labour.

### ENERGY 22 REFERENCE

This specially designed Energy 22 was developed for Studio and Broadcast applications. Due to the changes in bass port configuration the Reference Monitor is able to be placed in many otherwise difficult situations.

Base reflex with Front Port, 2 way mirror-imaged speakers matched 1/8 dB Left and Right.

**Tweeter** 1 1/2" Dual Hyperdome™ tweeter for excellent dispersion, low resonance, and high speed definition.

**Woofers** 7" Polypropylene cone woofers, with unique P.V.C. stitched suspension.

**Freq. Response** 28Hz – 45 KHz ± 3 dB on axis.  
28Hz – 20 KHz ± 2 dB at 30° off-axis.

**Crossover** 18 dB/octave slope at 1.5KHz.

**Sensitivity** 86 dB SPL/W/M.

**Impedance** 8 ohms nominal.

**Recommended Amplifier Power** 20 Watts minimum – 200 Watts maximum.

**Dimensions** 24 3/8" High x 10 1/2" Wide x 12" Deep. Height with stands 34 1/2".

**Weight** 34 lbs. each.

**Finish** Cabinet: Attractive Black Vinyl Veneer.

Grille: Limited Diffraction Frame with Black sag resistant fabric.

**Warranty** 10 years Parts and Labour.

### ENERGY 22 REFERENCE CONNOISSEUR

Base reflex with Rear Port, 2 way mirror-imaged speakers matched 1/8 dB Left and Right.

**Tweeter** 1 1/2" Dual Hyperdome™ tweeter for excellent dispersion, low resonance, and high speed definition.

**Woofers** 7" Polypropylene cone woofers, with unique P.V.C. stitched suspension.

**Freq. Response** 25Hz – 45 KHz ± 2 dB on axis.  
25Hz – 20 KHz ± 1 1/2 dB at 30° off-axis.

**Crossover** 18 dB/octave slope at 1.5KHz.

**Sensitivity** 86 dB SPL/W/M.

**Impedance** 8 ohms nominal.

**Recommended Amplifier Power** 20 Watts minimum – 200 Watts maximum.

**Dimensions** 35 3/8" High x 11" Wide x 14" Deep.

**Weight** Approx. 80 lbs. each.

**Finishes** Cabinet: **High Gloss**  
Black Grand Piano  
Burl Walnut Light

**Medium Gloss**  
Birds Eye Maple

**Natural Finish**  
Teak  
Brazilian Rosewood  
Black American Walnut  
Oak

**Satin Finish**  
Black Pebble (High Tech)

Grille: Limited Diffraction Frame with either Brown or Black sag resistant fabric depending on finish.

DEALERS #1 CHOICE



Printed in Canada

**ENERGY 22**

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