

Introducing

connoisseur™

a new form of energy



ENERGY
S P E A K E R S Y S T E M S

History



HISTORY

connoisseur



22 Series



Connoisseur C-8



Veritas V2.8

A Quarter Century of Performance

Energy's quest to engineer speaker systems that enable you to truly experience sound has an extensive history.

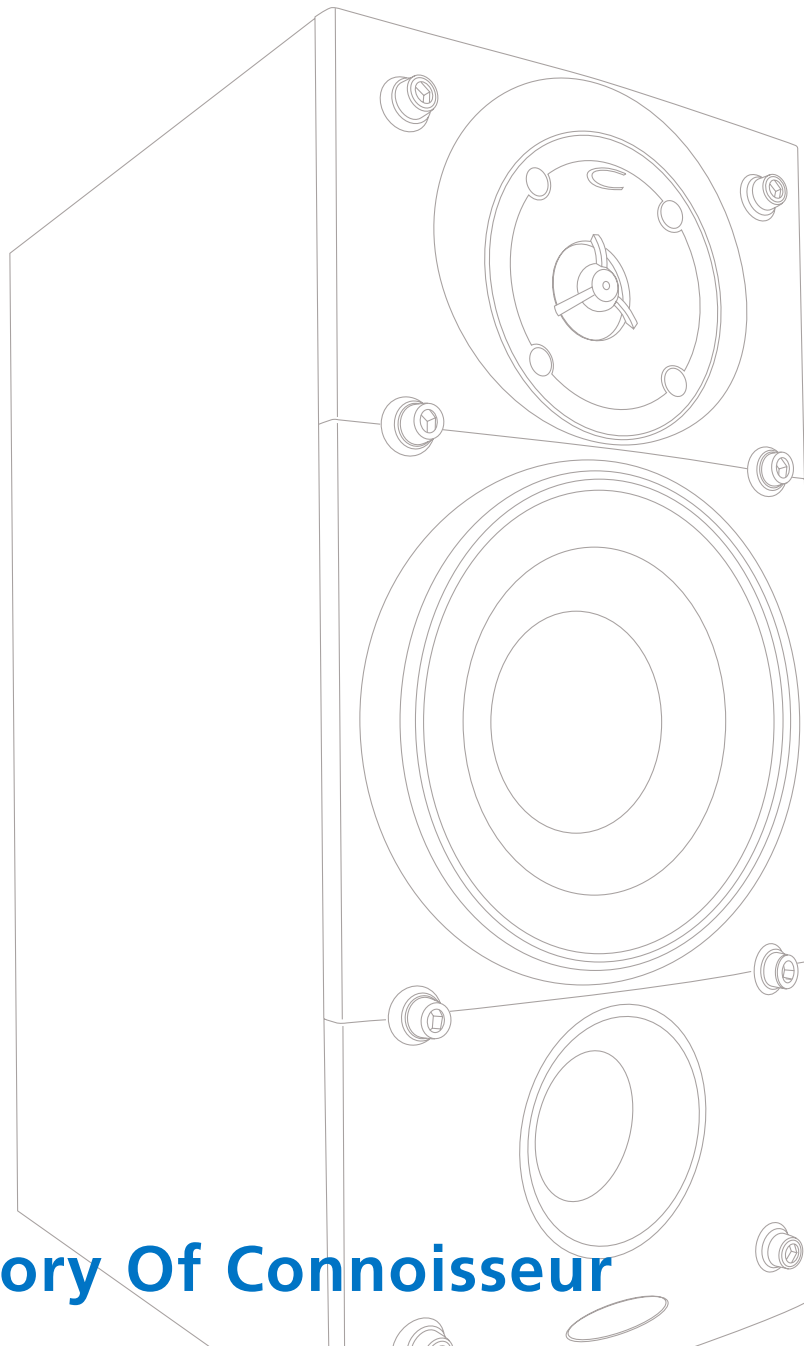
Through decades of tireless research and development, constant measurements and the accumulation of key technological breakthroughs, Energy has achieved lifelike performance based on three specific design goals:

1. Flat On-Axis Frequency Response with Wide Bandwidth – The ability of a speaker to reproduce the entire audio range in a uniform manner.
2. Wide and Constant Dispersion – Sound that radiates from the speaker at all frequencies, ideally in an even pattern, in all directions throughout the listening environment.

3. Low Distortion & Resonance – While no speaker system is totally devoid of distortion, Energy achieves a significantly lower distortion level, as much as 66% less than competitive products; a clearly audible improvement.

While this Energy design philosophy hasn't changed in a quarter century, our intensive research methodology and the available technology and materials have steadily progressed, enabling Energy to continue delivering on our mandate: To manufacture speaker systems that achieve outstanding performance by adhering to our three design criteria, regardless of the product's price.





The History Of Connoisseur

Energy 22 Reference *Connoisseur* – An early example of Energy's Design Philosophy. The Energy 22 Reference *Connoisseur* was the flagship speaker of the Energy 22 Series. What made it special when it launched in 1982, was its technological innovations. It featured a 7" polypropylene woofer, with a hand stitched rubber surround, and a 1" dual Hyperdome tweeter, the first tweeter in the world to cross over at 1.8 kHz as opposed to the industry standard of 4 kHz. It was a radically different speaker that not only exceeded Energy's design and performance expectations, in blind listening tests, it performed head and shoulders above anything else in its class, proving that Energy's theories were correct. The American National Bureau of Standards and the Canadian National Research Council subsequently selected Energy 22 as their reference speaker.

***Connoisseur* Series** – Launched in the mid-1990s, the *Connoisseur* Series was another milestone release. The C Series as it was affectionately known, had a look of its own, and incorporated

more Energy proprietary technological discoveries, including Spherex baffles, a 3-Way Tapered Crossover and many others. This next generation of *Connoisseur* had a very high performance to dollar ratio and was incredibly well-received by critics and consumers alike.

New *Connoisseur* Series 2002 – Featuring many of the breakthrough technologies found in the Energy Veritas Series, the new *Connoisseur* Series enables serious music lovers to experience everything they want in a speaker system – superior performance and aesthetics at an affordable price. Not only is the entire *Connoisseur* Series timbre matched, all models (except C-R1 and C-R3) are video shielded. Consistent with the Energy Design Philosophy, the New *Connoisseur*'s components are specific to this elegant new evolution from Energy, and were designed and manufactured to meet specific design objectives.

Lifestyle

"Today's modern home needs a speaker solution that is as advanced on the outside as it is on the inside. The new *Connoisseur* Series represents Energy's latest technical and cosmetic innovations, for today's lifestyle" *Joe Fraser – Brand Manager, Energy Speaker Systems*

LIFESTYLE

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Specifications

SPECIFICATIONS

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C-9 Floorstanding

C-7 Floorstanding

C-5 Floorstanding

C-3 Bookshelf

| | | | | |
|---|---|---|---|---|
| SYSTEM TYPE: | Magnetically Shielded, Tapered 3-way Bass Reflex, Front & Rear Vented | Magnetically Shielded, Tapered 3-way Bass Reflex, Front Vented | Magnetically Shielded, Tapered 3-way Bass Reflex, Front Vented | Magnetically Shielded, 2-way Bass Reflex, Front Vented |
| RECOMMENDED AMPLIFIER POWER: | Up to 250 watts | Up to 200 watts | Up to 150 watts | Up to 125 watts |
| IMPEDENCE: | Nominal: 8 ohms; Minimum: 4 ohms | Nominal: 8 ohms; Minimum: 4 ohms | Nominal: 8 ohms; Minimum: 4 ohms | Nominal: 8 ohms; Minimum: 4 ohms |
| FREQUENCY RESPONSE (+/- 3dB): | 31-23kHz | 34-23kHz | 36-23kHz | 46-23kHz |
| USEABLE BASS RESPONSE (-10dB ANECHOIC): | 26 Hz | 29 Hz | 30 Hz | 40 Hz |
| SENSITIVITY: ANECHOIC 2 SPEAKERS IN A ROOM | 91dB 94dB | 90dB 93dB | 90dB 93dB | 89dB 92dB |
| CROSSOVER POINT: | 2 kHz Woofer 1 ~ to 2 kHz Woofers 2 and 3 ~ to 550 Hz | 2 kHz Woofer 1 ~ to 2 kHz Woofers 2 and 3 ~ to 550 Hz | 2 kHz Woofer 1 ~ to 2 kHz Woofer 2 ~ to 550 Hz | 2 kHz |
| COMPONENTS: | Chambered 1" Aluminum Dome Tweeter, 3 - 6.5" Injection Molded Homopolymer woofers w/ NBR/SBR surround | Chambered 1" Aluminum Dome Tweeter, 3 - 5.5" Injection Molded Homopolymer woofers w/ NBR/SBR surround | Chambered 1" Aluminum Dome Tweeter, 2 - 6.5" Injection Molded Homopolymer woofers w/ NBR/SBR surround | Chambered 1" Aluminum Dome Tweeter, 1 - 6.5" Injection Molded Homopolymer woofers w/ NBR/SBR surround |
| OVERALL DIMENSIONS: | W - 7.75"/19.7cm H - 45"/114.2cm D - 18.3"/46.5cm | W - 6.5"/16.5cm H - 38.3"/97.4cm D - 15.2"/38.5cm | W - 7.75"/19.7cm H - 36"/91.2cm, D - 15.5"/39.4cm | W - 7.75"/19.7cm, H - 15.5"/39.4cm, D - 11.5"/29.1cm |
| CABINET FINISHES (FIG.A): | Canadian Maple - Black Grill Canadian Maple - Silver Grill Black Ash - Black Grill | Canadian Maple - Black Grill Canadian Maple - Silver Grill Black Ash - Black Grill | Canadian Maple - Black Grill Canadian Maple - Silver Grill Black Ash - Black Grill | Canadian Maple - Black Grill Canadian Maple - Silver Grill Black Ash - Black Grill |
| APPROX. SHIPPING WEIGHT: | 62 lbs/28.1kg (1 speaker) | 48 lbs/21.8kg (1 speaker) | 47lbs/21.3kg (1 speaker) | 35.4 lbs/16kg (2 speakers) |
| INCLUDED ACCESSORIES: | Stabilizing Feet, Chrome Spikes, Rubber Bumpers, Magnetically attached Cloth grills | Stabilizing Feet, Chrome Spikes, Rubber Bumpers, Magnetically attached Cloth grills | Stabilizing Feet, Chrome Spikes, Rubber Bumpers, Magnetically attached Cloth grills | Rubber Bumpers, Magnetically attached Cloth grills |



FIG A:

Black Ash with Black Grill



Canadian Maple with Black Grill



Canadian Maple with Silver Grill

**C-1 Bookshelf****C-R1 Rear Channel****C-R3 Rear Channel****C-C1 Center Channel****C-ST Speaker Stand**

Magnetically Shielded,
2-way Bass Reflex,
Front Vented

Up to 100 watts

Nominal: 8 ohms;
Minimum: 4 ohms

53-23kHz

46 Hz

89dB
92dB

2.2 kHz

Chambered 1" Aluminum
Dome Tweeter, 1 - 5.5" Injection
Molded Homopolymer woofer
w/ NBR/SBR surround

W - 6.5"/16.5cm,
H - 13.7"/34.8cm,
D - 9.8"/24.9cm

Canadian Maple - Black Grill
Canadian Maple - Silver Grill
Black Ash - Black Grill

24.7 lbs/11.2kg
(2 speakers)

Rubber Bumpers,
Magnetically attached
Cloth grills

Bi-Polar Radiation,
Acoustic Suspension

Up to 100 watts

Nominal: 8 ohms;
Minimum: 4 ohms

80-23kHz

60 Hz

87dB
90dB

2.2 kHz

2 - Chambered 1" Aluminum
Dome Tweeters, 1 - 5.5" Injection
Molded Homopolymer woofer
w/ NBR/SBR surrounds

W - 12.5"/31.7cm,
H - 7.0"/17.6cm,
D - 5.75"/14.6cm

Canadian Maple - Silver Grill
Matte Black - Black Grill
Matte White - White Grill

8.5 lbs/3.9kg
(1 speaker)

Mounting Template,
Rubber Bumpers,
Cloth grill

Switchable Bi-Polar/Di-polar
Acoustic Suspension

Up to 100 watts

Nominal: 8 ohms;
Minimum: 4 ohms

75-23kHz

55 Hz

86dB
89dB

2.2 kHz

Chambered 1" Aluminum
Dome Tweeter, 1 - 5" Injection
Molded Homopolymer woofer
w/ NBR/SBR surround,
2 - 2" Mid-Band Fill Drivers

W - 12.0"/30.4cm,
H - 9.7"/24.6cm,
D - 6.3"/16.0cm

Canadian Maple - Silver Grill
Matte Black - Black Grill
Matte White - White Grill

13 lbs/5.9kg
(1 speaker)

Mounting Bracket,
Rubber Bumpers,
Cloth grill

Magnetically Shielded,
2-way Bass Reflex,
Dual Front Vented

Up to 125 watts

Nominal: 8 ohms;
Minimum: 4 ohms

50-23kHz

44 Hz

90dB

2 kHz

Chambered 1" Aluminum
Dome Tweeter, 2 - 5.5" Injection
Molded Homopolymer woofers
w/ NBR/SBR surround

W - 22.8"/57.9cm,
H - 6.5"/16.5cm,
D - 9.75"/24.8cm

Canadian Maple - Silver Grill
Black Ash - Black Grill

21 lbs/9.5kg
(1 speaker)

Rubber Bumpers,
Magnetically attached
Cloth grills

The C-1 and C-3 bookshelf speakers deserve to sound and look their best. The C-ST stand will provide the appropriate height for best sound, as well as match the look and style of the *Connoisseur* Series. Standing 25" in height, they provide wire management via two 3/4" clips on the rear of the aluminum center pole. The base is manufactured from MDF and is finished in either black or Canadian Maple vinyl. Spikes and rubber bump-ons are also supplied to facilitate use on any type of flooring.



**Macromount –
Custom Wall Mount
Bracket for the C-1, C-3,
C-R3 Speakers**

Mounts to wall or ceiling with standard hardware, and allows flexible aiming of the speakers towards the listeners. They attach to the speaker with a 3/8" 16 thread insert. Allen key for adjustment is included. Adjustments can be made while speaker is mounted. Available in Black or White finish.

Technology: Energy Connoisseur Speaker

C-3 Speaker in Canadian Maple featured below

TECHNOLOGY

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Binding Post Terminals

Enormous gold-plated high quality binding post terminals have been custom designed to allow the best possible termination between the amplifier and the speaker.

Ergonomically set into a custom designed terminal cup, the C-1 and C-3 models also incorporate an insert for wall mount applications.

Magnetic Shielding

All *Connoisseur* models (except the rear surrounds) are magnetically shielded, using oversized bucking magnets to reduce the magnetic field in size. This allows use of the speakers near your sensitive video equipment.



Crossover

Low crossover frequency point and symmetrical slopes to the tweeter lead Energy's innovative crossover topology, and ensure that each driver receives the correct frequencies. This design is an integral part of achieving the "Wide Dispersion" design goal.

The Energy *Connoisseur* C-5, C-7 and C-9 systems contain a Tapered Crossover System, where one woofer is dedicated

to reproducing the critical midrange frequencies while all woofers focus on reproducing crystal clear bass. This provides increased power handling and extra bass response without compromising image height & accuracy.

Cabinet

All *Connoisseur* cabinets are crafted from a high grade MDF, or Medium Density Fiberboard that provides added enclosure strength and stiffness, deepens bass response and reduces distortion and resonance. The Energy 360° Bracing System assists in providing a uniform structure for the cabinet, providing added stiffness

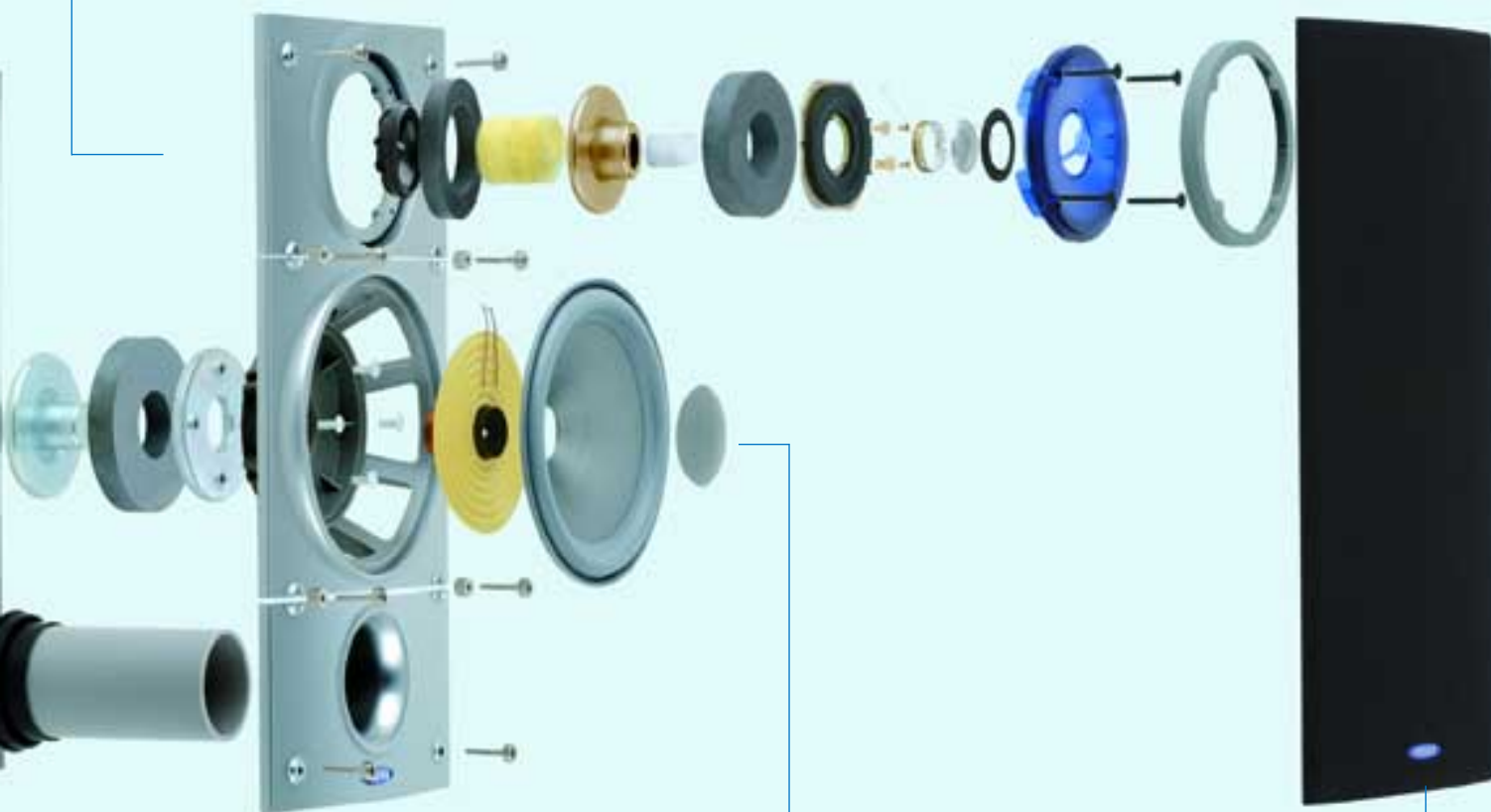
and significantly reduced cabinet resonance. Closed cell polyurethane gaskets are used between the front Spherex® baffles and the thick MDF sub baffle to further reduce resonances.

Tweeter

The individually chambered, 1" aluminum dome tweeter is painstakingly engineered to lower distortion properties and provide better power handling. Oversized Ferrite magnets provide excellent

magnetic field strength, and together with the enclosed chamber enables Energy to lower the transducers' resonant frequency significantly. This allows Energy engineers to incorporate a low crossover

point as opposed to the industry standard of 3,500-4,000Hz. The results are wide and constant dispersion of midrange and treble frequencies, a critical element in achieving the Energy design goals.



Woofer

Every component of the *Connoisseur* woofer is engineered and manufactured to meet exacting criteria and specific design goals. The silver front baffle is also the woofer's basket section, an integral part of the speaker enclosure and the speaker system. Comprised of Energy's proprietary Spherex®, the baffle is computer designed to enhance dispersion and strengthen the cabinet structure.

The woofer's cone and dustcap are constructed of an injection molded homopolymer, first introduced in our flagship Veritas Series, as well as the additional fortification provided by the filleted surround. All of these parts work in tandem to produce a woofer exhibiting low distortion, wide dispersion and a wide frequency range – all three being part of Energy's design philosophy.

Magnetic Grills

The *Connoisseur* C-1 through C-9, as well as the C-C1 have an integrated magnetic grill system. This allows simple removal and replacement of the grill to showcase the speakers technology.

Surround Sound Solutions

SOLUTIONS

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Perfect Sound in a Less Than Perfect Room

Energy Soundfield Management System

The *Connoisseur C-R3* rear channel surround speaker (A) is equipped with the exclusive and patented Soundfield Management System (SFM), a unique combination of a two-way, front-mounted driver and two specially designed side-mounted midrange drivers. Featuring a unique control panel (B), this innovative system allows you to switch the speaker from a monopole or direct radiating speaker, to a bi-pole or a di-pole surround speaker. The level control allows you to adjust how much of the side mounted surround drivers are involved in the speakers' sound. No other speaker in the world allows this level of flexibility.

What the SFM system does technically is adjust the direct to reflected ratio of sound, which is how the human ear detects the direction of a specific sound.

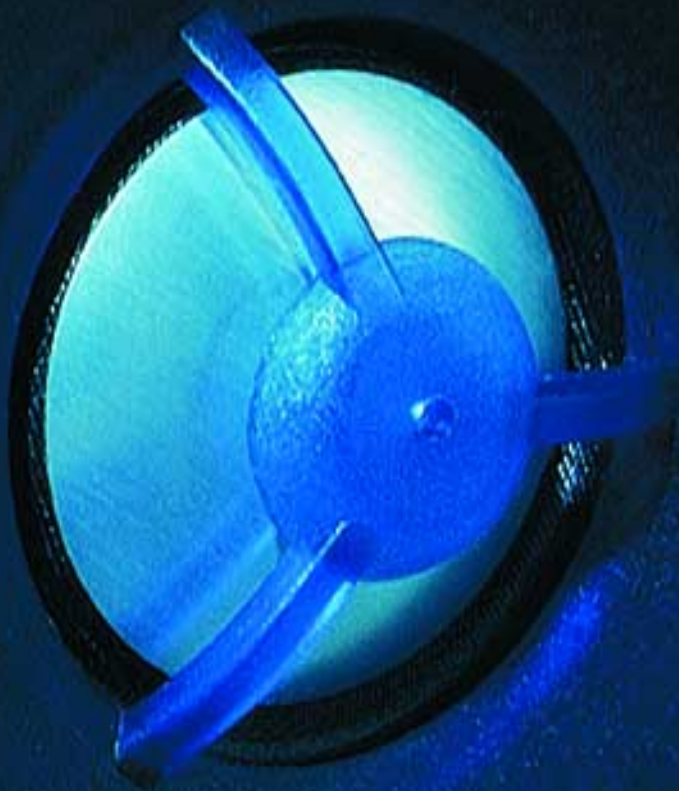
What the SFM system does for you is to allow easy and accurate adjustments providing the best performance for your specific listening room environment as well as playback of different source material.

The Soundfield Management System allows the listener to experience optimal surround sound performance using less than optimal speaker placement. This is just one more example of the incredible performance quality you've come to expect from Energy.



STYLE

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