

PERFORMA **Be**⁴™

REVEL®



REVEL PerformaBe
PREMIUM LOUDSPEAKERS

THE PerformaBe SERIES



The PerformaBe Series was born out of the desire to create a loudspeaker that redefined performance expectations. Revel's development team focused on every component in excruciating detail to extract the finest details, the highest levels of performance, and the most emotion possible. With an all-new Beryllium tweeter as the basis of the PerformaBe Series, the result is unparalleled detail and accuracy along with a sense of air, spaciousness, and a cohesive soundstage that defines these models as world standards in performance.

THE BEAUTY OF BERYLLIUM

Beryllium – Element 4 on the Periodic Table – is a rare earth metal that is renowned for its remarkable physical properties that make it the ideal material for a high-frequency transducer. Compared to other metal tweeter diaphragms like aluminum and titanium, beryllium offers 4.5 times the stiffness and three times more damping, and does so at only half of the weight. Diamond vapor deposit diaphragms offer similar characteristics for stiffness and damping, but they do so with a weight penalty that limits performance in comparison to beryllium.

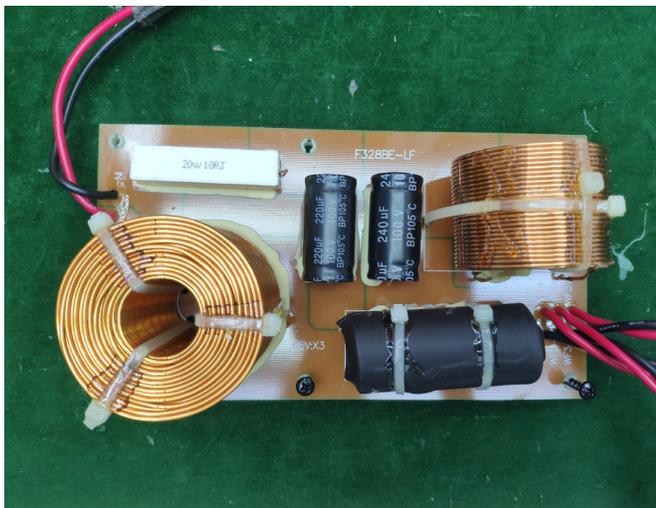
HIGH-FREQUENCY PERFECTION

At the heart of the PerformaBe models lies a 1-inch/25mm beryllium tweeter driven by massive 85mm dual ceramic magnets. This powerful tweeter is mated to a ceramic-coated, cast-aluminum Acoustic Lens waveguide engineered to seamlessly integrate with the directivity of the companion midrange or midbass driver. The result is a tweeter with greater efficiency, improved dynamic range, reduced distortion, and increased power handling compared to aluminum or titanium tweeters.



ULTIMATE MIDRANGE CLARITY AND DEFINITION

The 5.25-inch/130mm Performa3 midrange driver has been updated with a larger Deep Ceramic Composite (DCC) cone diaphragm and a smaller surround that combine for increased efficiency while a larger voice coil and ceramic motor structure reduce compression and increase dynamic range. DCC is a plasma electrolytic oxidation process that uses a plasma discharge to create a coarse ceramic coating on both sides of the aluminum cone. Along with the more efficient tweeter design, PerformaBe loudspeakers can play louder and more dynamically for an impactful and memorable audio experience.



ADVANCED HIGH-ORDER CROSSOVER NETWORKS

PerformaBe crossover networks utilize all film capacitors and air core inductors in the midrange and tweeter circuits, as well as the woofer circuit in the bookshelf model. These premium components allow Revel's engineers to extract nuances and details that would otherwise be lost to lesser components. Combined with traditional Revel high-order crossover slopes and proprietary Acoustic Lens waveguide geometry, transducer integration is seamless, delivering a holistic, three-dimensional soundstage that allows the loudspeakers to simply disappear, leaving only you and the music.

ELEGANT DESIGN

PerformaBe top panels are painted in a stylish metallic black with raised electroform badging. Each model is available in a choice of four high-gloss finishes for seamless integration into any décor; Black, White, Walnut and Metallic Silver.





F328Be

THE NEW FLAGSHIP

It would be quite easy to look at the new F328Be floorstanding loudspeaker and assume that it's simply a larger version of the F228Be with a third woofer added. In fact, that would have been an easy path for us to take, certainly on the heels of the F228Be winning Stereophile's coveted Loudspeaker of the Year and Joint Component of the Year awards in 2019. But the easy path is not what Revel is about. The goal with the F328Be was to advance the state-of-the-art even further. The result is a loudspeaker that shares only the midrange driver with its smaller sibling.



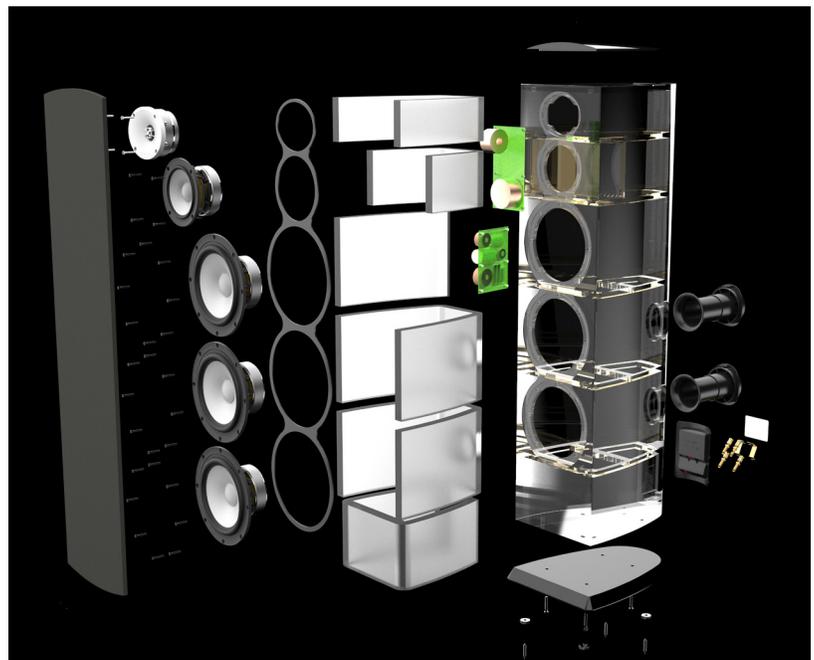
The heart and soul of the Performa Beryllium range is the incredibly advanced dome tweeter from which the series derives its name. Due to its large scale as well as its dynamic and efficiency requirements, the F328Be was going to require a tweeter even more capable than the one used in the F228Be. Revel's Chief Engineer Mark Glazer worked with the development team to create a new transducer that incorporates a vented pole piece and distortion reduction ring along with massive ferrite motor structure as the motive force behind the 1-inch beryllium dome. This new design provided the F328Be with the high-frequency performance necessary to render incredibly accurate and detailed response even at very high listening levels.

The potent blend of the new vented ferrite motor 1-inch beryllium dome tweeter and sixth-generation Acoustic Lens waveguide define a high-frequency section that stands up to the rigors of even the most demanding audio systems. The combination of components ensures seamless integration with the 5.25-inch DCC cone midrange driver, delivering near point-source performance.

On the low-frequency end, the Revel design team refined the motor magnetic structure of the F228Be's 8-inch DCC cast frame woofer to push its performance capabilities even further. A third woofer was added along with a rear-ported design with dual custom-tuned flared ports, resulting in greater low frequency extension and enhanced dynamic capabilities at all volumes.

The F328Be features a three-way crossover design with traditional Revel high-order slopes, plus film capacitors and air core inductors in the midrange and tweeter circuits. Using these premium components allow these loudspeakers to extract all of the nuances and details of your audio that would otherwise be lost. Dual sets of binding posts provide a secure connection and the option of single-ended or bi-wire terminations with a variety of connectors.

The enclosure of the F328Be follows the attractive curved shape of the smaller F228Be and F226Be models with the included arched black metallic top panel and integrated gloss black plinth. Five window pane internal braces and a 1-inch thick baffle ensure maximum rigidity and a sonically inert cabinet providing a solid foundation for the transducers. As with all of the Performa Beryllium Series models, the F328Be is available in a choice of four premium finishes: Black Gloss, White Gloss, Walnut Gloss, and Silver Metallic.





F228Be

The Revel Performa F228Be is a powerful and elegant 3-way, dual 8-inch floorstanding loudspeaker with all of the beauty and acoustic brilliance you have come to expect from the Revel name.

At the heart of the Revel Performa F228Be's immaculate sound lies a 1-inch beryllium tweeter driven by massive 85mm dual ceramic magnets. The powerful tweeter is mated to a 5th-generation ceramic-coated, cast-aluminum Acoustic Lens waveguide engineered to seamlessly integrate with the directivity of the companion midrange driver. The 5.25-inch midrange driver features a DCC diaphragm, a large voice coil, and a powerful ceramic motor structure. The result is greater efficiency, less compression, improved dynamic range, reduced distortion, and increased power handling. Dual 8-inch DCC woofers deliver deep and powerful bass. The F228Be crossover networks utilize all film capacitors and air core inductors in the midrange and tweeter circuits. These premium components allow Revel's world-class engineers to extract nuances and details from music that would otherwise be lost. Combined with traditional Revel high-order crossover slopes and proprietary Acoustic Lens waveguide geometry, transducer integration is seamless.

The F228Be has received numerous outstanding reviews and taken home multiple prestigious awards including the 2019 Stereophile Product of the Year.

F226Be

The Revel F226Be joins our award-winning PerformaBe series as a compact floorstanding loudspeaker positioned below the F228Be in the product family. As part of the PerformaBe loudspeaker line, the F226Be includes a 1-inch (25mm) beryllium tweeter driven by massive 85mm dual ceramic magnets. The powerful tweeter and 5th-generation ceramic-coated, cast-aluminum Acoustic Lens waveguide seamlessly integrate with the directivity of the companion midrange driver resulting in greater efficiency, improved dynamic range, reduced distortion, and increased power handling compared to aluminum or titanium tweeters.

Like its larger sibling, the F228Be, the F226Be's 5.25-inch (130mm) midrange and dual 6.5-inch (165mm) aluminum cone woofers utilize DCC cones for improved performance. The deep ceramic layers sandwiching the aluminum cone provide constrained layer damping that push cone breakup modes outside of the passband allowing the driver to maintain ideal piston motion throughout its range. DCC cones combine with optimized motor magnetics to deliver improved mid- and low-frequency performance.



M126Be

The Revel Performa M126Be is a powerful and elegant 2-way, 6.5-inch (165mm) bookshelf loudspeaker with powerful performance that belies its subtle and efficient form factor. Virtually every component was engineered to extract the finest details, the highest level of performance, and the most emotion possible. Like all of the loudspeakers in the PerformaBe line, the M126Be features a 1-inch Beryllium tweeter which, along with the 6.5-inch DCC aluminum cone woofer, gives the M126Be unparalleled detail and accuracy with an expansive and cohesive soundstage.



The M126Be has been recognized with a variety of industry honors, including Bookshelf Loudspeaker of the Year from The Absolute Sound.



C426Be

The Revel C426Be joins our award-winning PerformaBe series as a high-performance center channel loudspeaker for use in a multichannel home theater environment. As part of the PerformaBe loudspeaker line, the C426Be features a 1-inch (25mm) beryllium tweeter driven by massive 85mm

dual ceramic magnets. The powerful tweeter and 5th-generation ceramic-coated, cast-aluminum Acoustic Lens waveguide seamlessly integrate with the directivity of the companion midrange driver resulting in greater efficiency, improved dynamic range, reduced distortion, and increased power handling compared to aluminum or titanium tweeters.

The 5.25-inch (130mm) midrange is joined by four 6.5-inch (165mm) DCC aluminum cone woofers for incredible sound across the entire audible spectrum.

The C426Be is available in all four colors in the PerformaBe line, with stylishly painted metallic black side panels.

REVEL PerformaBe SERIES HIGHLIGHTS

- 1-inch Beryllium Dome Tweeter
- Acoustic Lens Waveguide
- Deep Ceramic Composite (DCC) Cone Midrange and Woofers
- High-order Crossovers with Film Capacitors and Air Core Inductors
- Magnetically Attached Grilles
- 4 Premium High-gloss Finishes Available

SPECIFICATIONS

Feature	F328Be	F228Be	F226Be	M126Be	C426Be
Description	3-way Floorstanding Loudspeaker	3-way Floorstanding Loudspeaker	3-way Floorstanding Loudspeaker	2-way Bookshelf Loudspeaker	3-way Center Channel Loudspeaker
Low Frequency Driver Size and Material	Triple 8" (200mm) DCC aluminum cones with cast frames	Dual 8" (200mm) DCC aluminum cones with cast frames	Dual 6.5" (165mm) DCC aluminum cones with cast frames	6.5" (165mm) DCC aluminum cone with cast frame	Quadruple 6.5" (165mm) DCC aluminum cones with cast frames
Mid Frequency Driver Size and Material	5.25" (130mm) DCC aluminum cone with cast frame	5.25" (130mm) DCC aluminum cone with cast frame	5.25" (130mm) DCC aluminum cone with cast frame	N/A	5.25" (130mm) DCC aluminum cone with cast frame
High Frequency Driver Size and Material	1" Beryllium dome with acoustic lens waveguide	1" Beryllium dome with acoustic lens waveguide	1" Beryllium dome with acoustic lens waveguide	1" Beryllium dome with acoustic lens waveguide	1" Beryllium dome with acoustic lens waveguide
Recommended Amplifier Power	50 – 400 Watts	50 – 350 Watts	50 – 200 Watts	50 – 150 Watts	50 – 300 Watts
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Sensitivity	91dB	90dB	90dB	86dB	90dB
Frequency Response	26Hz – 40kHz (-6dB)	33Hz – 40kHz (-6dB)	44Hz – 40kHz (-6db)	46Hz – 40kHz (-6dB)	38Hz – 40kHz (-6dB)
Crossover Frequencies	240Hz; 2.1kHz	260Hz; 2.1kHz	260Hz; 2.1kHz	1.7kHz	210Hz; 2.1kHz
Dimensions (H x W x D)	50.9 x 13.5 x 17.6" (1294 x 341 x 449mm)	46.5 x 11.8 x 13.2" (1181 x 302 x 335mm)	41.3 x 9.8 x 13.7" (1050 x 249 x 347mm)	15.2 x 8.3 x 10.3" (386 x 211 x 262mm)	10.4 x 38.6 x 14" (263 x 980 x 358mm)
Weight	112.6 lb (51kg)	82 lb (37.2kg)	58.8 lb (26.8kg)	22 lb (9.97kg)	61 lb (27.7kg)
Inputs	Dual gold-plated binding posts with shorting straps	Dual gold-plated binding posts with shorting straps	Dual gold-plated binding posts with shorting straps	Gold-plated binding posts	Dual gold-plated binding posts with shorting straps



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