



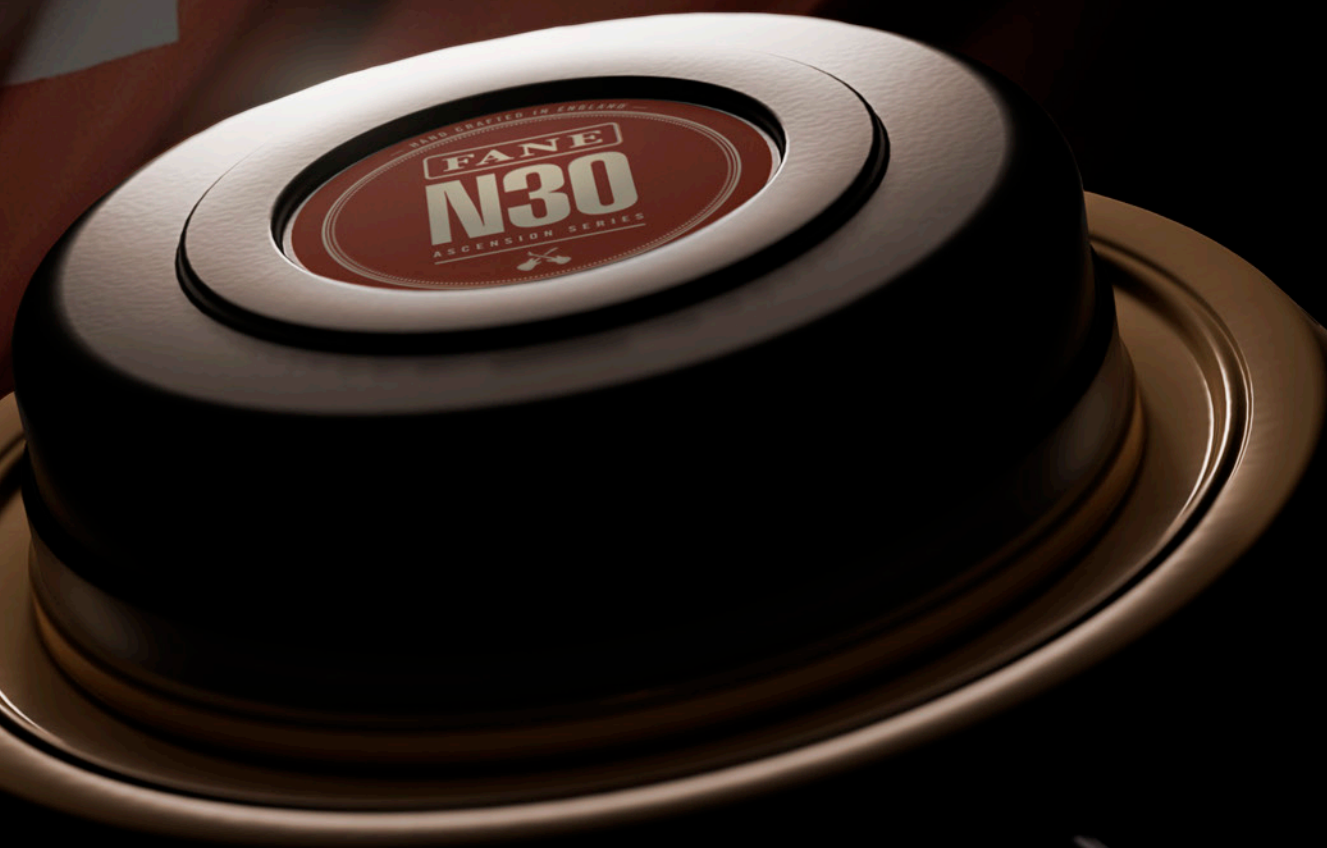
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FANETM

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ACOUSTICS

Take Your Tone to The Next Level.



GUITAR LOUDSPEAKERS



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GUITAR LOUDSPEAKERS



Take Your Tone to The Next Level.

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THE PERFECT BLEND OF TRADITION, CRAFTSMANSHIP & INNOVATION

Fane Acoustics believes a guitarist's tone is their voice—a deeply personal and expressive signature that defines their musical identity. Whether you're strumming delicate chords in a studio or ripping through a high-gain solo on stage, the right guitar loudspeaker can transform your sound, making it richer, more dynamic, and more powerful. With this belief and a passion for great sound at the core of everything we do, Fane Acoustics has dedicated decades to perfecting the art of guitar loudspeaker design to the specific needs of cabinet and amp manufacturers, and guitarists alike. Delivering products for decades that meet the highest standards of tone, durability and performance.

Our guitar loudspeakers are not just built; they are crafted by hand in the UK, where tradition and modern technology combine in our relentless pursuit of tonal perfection. Every loudspeaker in the Fane Acoustics range is the result of over 65 years of knowledge and experience, backed up by countless hours of research, development, testing and the

finest construction materials and techniques. The result? Speakers that consistently and reliably enhance the natural characteristics of your guitars, amplifiers and cabinets, giving you the freedom to shape your sound exactly the way you want it.



The Fane Legacy: Excellence as Standard

Loudspeaker designer and manufacturer Fane International Ltd. is a UK family-owned and operated business with a rich history, dating back to 1958. From the outset, Fane quickly gained recognition and a strong reputation in the pro audio and musical instrument industries, with innovations such as the first glass-fibre voice coil, the first to reach 100 W power rating and the first to break the 100 dB sound barrier under its belt. During the 1960s and '70s, Fane also gained prominence for supplying numerous British and international guitar amplifier manufacturers, becoming the preferred choice of notable performers and brands such as The Who, Pink Floyd, The Rolling Stones, Hiwatt, Sound City, Laney and Vox. This made Fane one of the leading brands during the golden era of British rock. Today, while continuing to produce high-performance, pro-audio loudspeaker drivers, under the Fane Acoustics brand we continue to bring our musical heritage to players throughout the world. Our guitar loudspeakers reflect our deep understanding of what makes a great sound, as well as our commitment to quality craftsmanship and design.

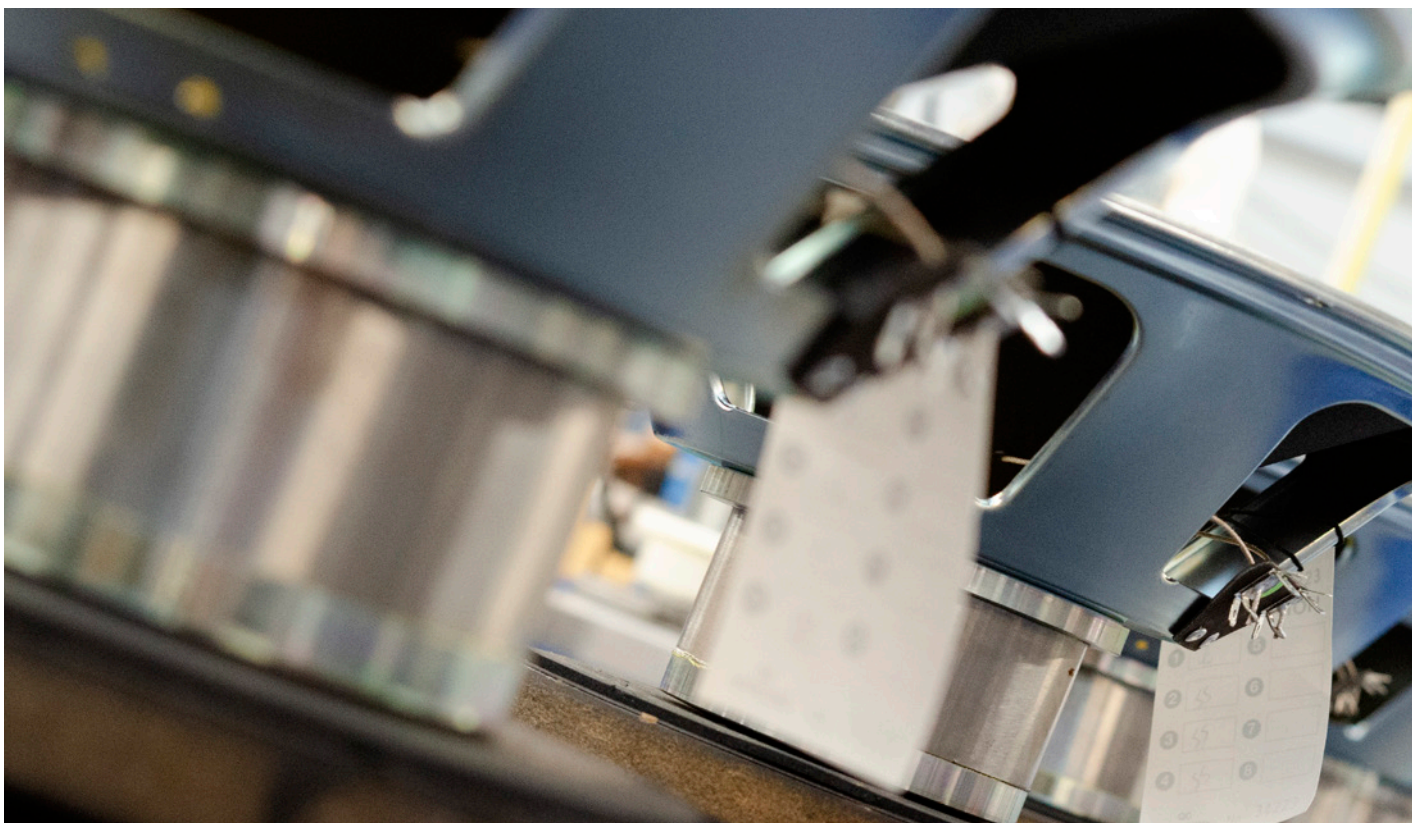
What sets Fane apart is our dedication to producing every component with precision, ensuring that each loudspeaker is built to withstand the rigours of performance while delivering consistently superior sound. In an era where mass production and outsourcing have become the norm, we remain proudly committed to hand-building every loudspeaker in the UK. Our team of skilled artisans meticulously assemble each unit, combining traditional methods with cutting-edge technology to create products that stand the test of time—both sonically and physically.

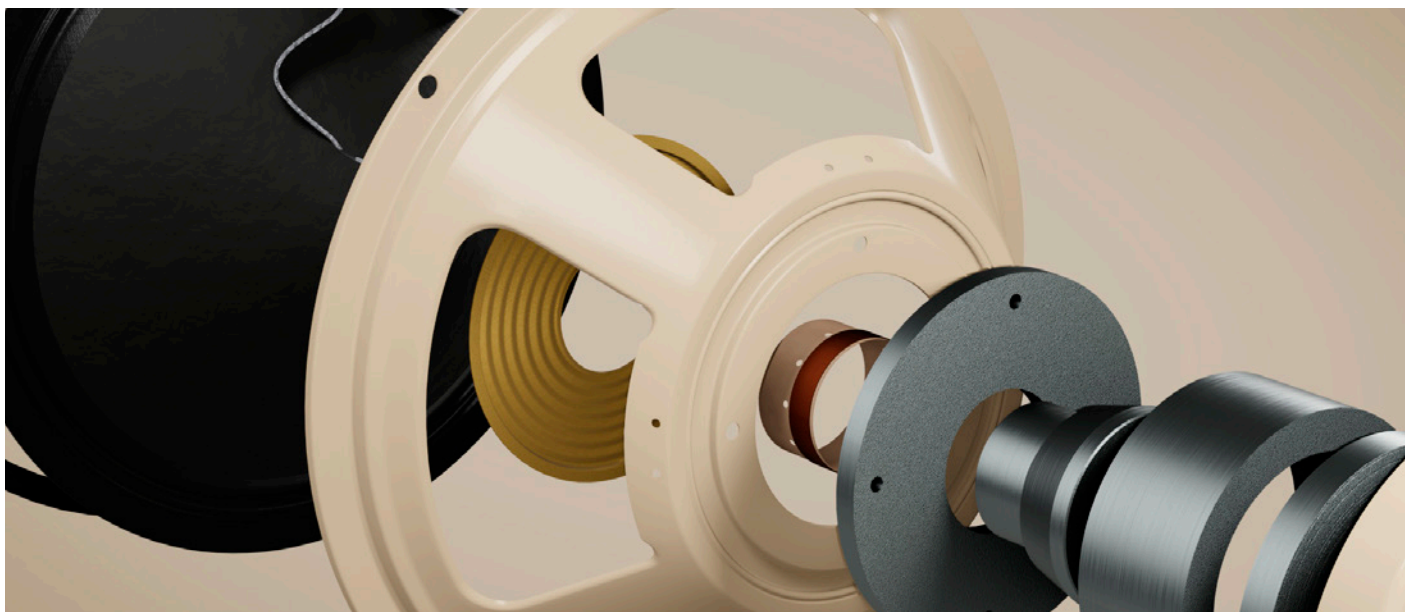
Relentless Research and Development for Unmatched Tone

Tone is everything to a guitarist, and we leave nothing to chance when it comes to achieving the perfect sound. Our loudspeakers are the result of relentless research and development, with every aspect of the design process subjected to rigorous testing and refinement. We believe in pushing the boundaries of what's possible, constantly innovating to create loudspeakers that not only meet but exceed the expectations of discerning guitarists.

Our engineers collaborate with musicians, manufacturers, and industry professionals to understand the specific tonal qualities and performance characteristics that guitarists

seek. Each design undergoes stringent listening tests in controlled environments to ensure that it meets our exacting standards. These tests are not just about verifying technical performance—they're about ensuring that every Fane Acoustics loudspeaker has the signature reliability, tone, warmth, clarity, and depth that our customers expect. We meticulously fine-tune each model until it meets our criteria for tonal accuracy, responsiveness, and musicality so that when you plug in you can be confident that your sound will be nothing short of extraordinary.





Crafted For Unrivalled Performance

We believe that exceptional sound begins with exceptional materials. Each model is built using only the finest components, chosen for their superior acoustic properties and durability. Every element, even the shape and thickness of the pressed steel chassis, plays a critical role in delivering the rich, dynamic signature Fane tone.

The **motor system** plays a vital role in shaping the speaker's tonal characteristics and performance. Using advanced computer simulations to optimise and provide precise control over the magnetic and mechanical properties allows our engineers to create speakers that capture the richness, warmth and dynamic expressiveness, desired by guitarists while ensuring reliability and performance.

Voice coil design, materials, and windings significantly impact the speaker's dynamics, tonal balance, and ability to handle distortion. A well-designed voice coil enables the speaker to faithfully reproduce clean tones, as well as deliver the desired harmonic content and breakup characteristics when pushed by an overdriven amplifier. Combined with a deep understanding of cone breakup modes and distortion,

we use high-quality, special cone pulp formulations and profile geometry designs to help us achieve the perfect balance between stiffness and flexibility. This ensures that the speaker can react quickly and accurately in response to different playing styles, aiding further to capture both the subtleties of clean tones and the raw power of overdriven distortion. Edge and surface coatings also contribute to the speaker's tonal character, imparting warmth, depth, and definition to every note.

Suspension and cone surrounds are further crucial components. Designed to keep the voice coil centred and ensure smooth, controlled linear movement of the cone assembly. We use precision-engineered materials that provide the perfect balance of flexibility and strength, enabling the cone to move freely while maintaining structural integrity. Delivering powerful, articulate bass tones without sacrificing clarity or precision in the higher frequencies resulting in a speaker that can handle the demands of any playing style, from soft picking to aggressive riffing, while maintaining a natural and balanced sound.

Take Your Tone to the Next Level

Choosing a guitar loudspeaker is more than just a technical decision—it's a deeply personal one too. Your loudspeaker is the final piece of the puzzle that connects your guitar, amplifier, and playing style, shaping the sound that defines who you are as a musician. We understand this, which is why we pour our passion into every loudspeaker we produce.

Whether you're a manufacturer, a seasoned professional or a passionate hobbyist. Chasing vintage warmth, modern clarity, or looking to blend speaker tones to create something entirely your own. Fane Acoustics guitar loudspeakers are designed to bring out the best in your playing and deliver the tonal versatility and character needed to bring your sound to life.

Explore our range of guitar loudspeakers and discover how we can help you find your perfect sound. If you're a cabinet or amplifier manufacturer, we also can design and manufacture bespoke speaker designs to your specifications.

With Fane Acoustics, your tone is in expert hands.

ASCENSION F70

12-Inch, Ceramic, Guitar Loudspeaker



GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating	70 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1.7 Kg / 59 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	11 mm / 0.43"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
Magnet Material	Ceramic
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	130 mm / 5.12"
Magnet Structure Diameter	152 mm / 5.98"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.85 Kg / 10.69 lb
Shipping Weight	5.45 Kg / 12.01 lb
Carton Dimensions	340 x 350 x 210 mm

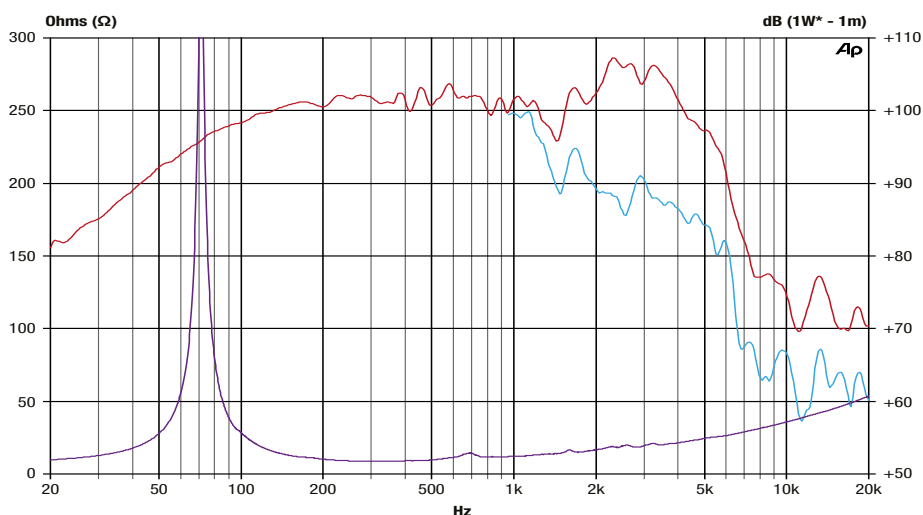
Understanding all of the subtle elements of amplifier and speaker cabinet behaviour has given Fane a decided engineering edge in developing the all new, Ascension F70. The 12-inch, 70 watt, ceramic magnet driver represents the evolution of a classic tone guitar speaker for players looking for a fresh point of reference.

Promising to be the new most talked about speaker in a generation with its unique ability to enhance the performance of clean low gain amplifiers and high gain shred machines alike. It is just as at home in a classic rear mounted 4x12 as it is in a modern front mounted application. The F70 offers a stunningly detailed top-end, rich mid-range and warm low-end with an intricate three-dimensional vintage crunch. The beauty of the F70 is that you need not even change your amplifiers setting to appreciate its ability to articulate delicate passages or manage pummelling abuse with ease. Whether your application is a head and cab or an open back combo, the F70 most definitely adds a welcome new dimension to existing rigs.

THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	61.8 Litres
Re	7.6 Ω	Vd	0.077 Litres
Le	0.26 mH	Sd	511 cm ²
L2	0.80 mH	Cms	0.16 mm/N
R2	22.5 Ω	BL	15.6 T/m
Qms	20.3	Mms	29.6 g
Qes	0.41	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.40	Efficiency %	5.17 %

IMPEDANCE AND FREQUENCY RESPONSE



ASCENSION A60

12-Inch, Alnico, Guitar Loudspeaker



GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating**	60 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1 Kg / 35.27 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	11 mm / 0.43"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
Magnet Material	Alnico
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	166.5 mm / 6.56"
Magnet Structure Diameter	102 mm / 4.02"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.1 Kg / 9.04 lb
Shipping Weight	4.7 Kg / 10.36 lb
Carton Dimensions	340 x 350 x 225 mm

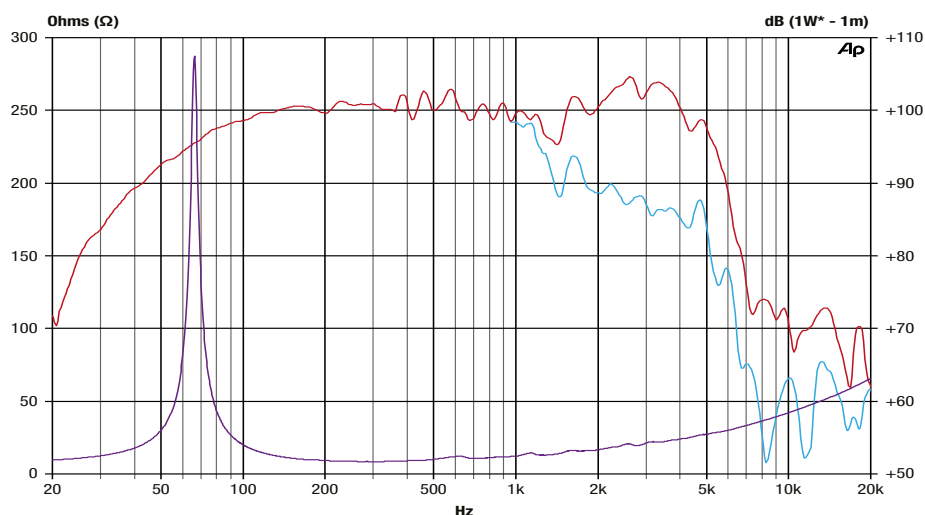
The Ascension A60 is a 12-inch, 60 watt, Classic Alnico driver. While its stunningly simple 'old school' visual statement will elicit an instant smile, you will find yourself unprepared for the sonic impact about to be experienced. The keyword here is balance. Every note and harmonic will immediately sound like it has been perfectly expressed.

Providing a refined tonal 'flavour' of the Ascension F70, the A60's detailed, shimmering top-end is never pointed and harsh. It's clear distinct low end coupled with the characteristic Fane vocal mid-range will present the player with an entirely renewed appreciation of harmonic structure. Designed specifically to reveal all of the subtle nuances of a finely crafted tube amplifier, the A60 is tailor made for players looking to explore new sonic territory while enhancing an amplifiers signature voice.

THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	67.9 Litres
Re	7.25 Ω	Vd	0.077 Litres
Le	0.33 mH	Sd	511 cm ²
L2	0.78 mH	Cms	0.18 mm/N
R2	27.92 Ω	BL	14.22 T/m
Qms	17.32	Mms	31.13 g
Qes	0.45	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.44	Efficiency %	4.22 %

IMPEDANCE AND FREQUENCY RESPONSE





ASCENSION A90

12-Inch, Alnico, Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating**	90 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1 Kg / 35.27 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	11 mm / 0.43"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Glass Fibre
Magnet Material	Alnico
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	166.5 mm / 6.56"
Magnet Structure Diameter	102 mm / 4.02"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.1 Kg / 9.04 lb
Shipping Weight	4.7 Kg / 10.36 lb
Carton Dimensions	340 x 350 x 225 mm

The 12-inch Ascension A90 is a bold new entrant in the arena of high performance Alnico guitar speakers for modern rock and metal sounds. With a power handling capacity in excess of 90 watts, this is the speaker that long-suffering high output compact combos have been waiting for.

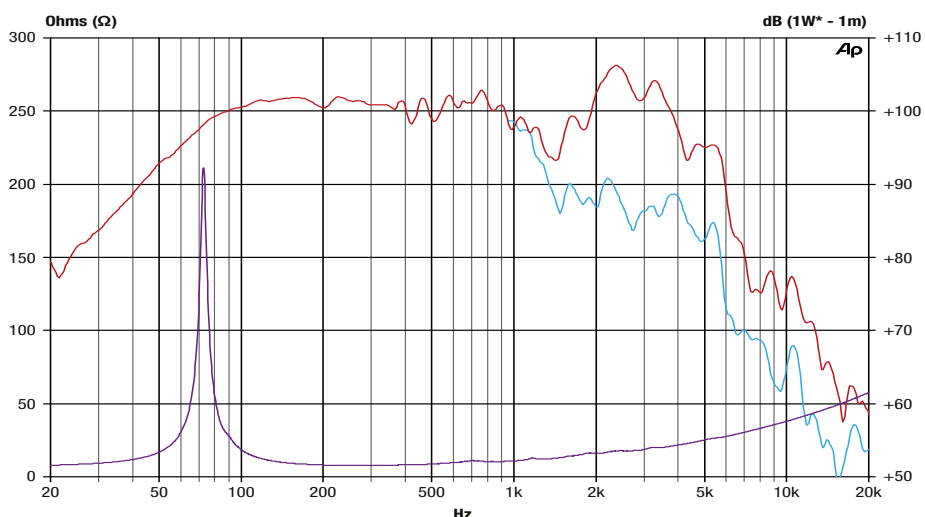
Providing a refined tonal 'flavour' of the F90, the A90 is ideally suited for high-powered 1x12 combo applications where formerly the compromise you had to accept was a stiff, harsh sounding and heavy weight speaker just to manage the power.

Now imagine warmth, bell-like highs, sparkling mids, solid bottom end response and the familiar Alnico compression quality that will do equal justice to clean tones and high gain voicing. Add to that the high power to weight ratio of Alnico and back breaking compact combos now become more manageable and tonally beautiful.

THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	51.3 Litres
Re	7.12 Ω	Vd	0.077 Litres
Le	0.27 mH	Sd	511 cm ²
L2	0.70 mH	Cms	0.14 mm/N
R2	26.2 Ω	BL	12.95 T/m
Qms	19.13	Mms	34.26 g
Qes	0.67	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.65	Efficiency %	4.2 %

IMPEDANCE AND FREQUENCY RESPONSE





ASCENSION F90

12-Inch, Ceramic, Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating**	90 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1.7 Kg / 59.97 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	11 mm / 0.43"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Glass Fibre
Magnet Material	Ceramic
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	130 mm / 5.12"
Magnet Structure Diameter	152 mm / 5.98"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.85 Kg / 10.69 lb
Shipping Weight	5.45 Kg / 12.01 lb
Carton Dimensions	340 x 350 x 210 mm

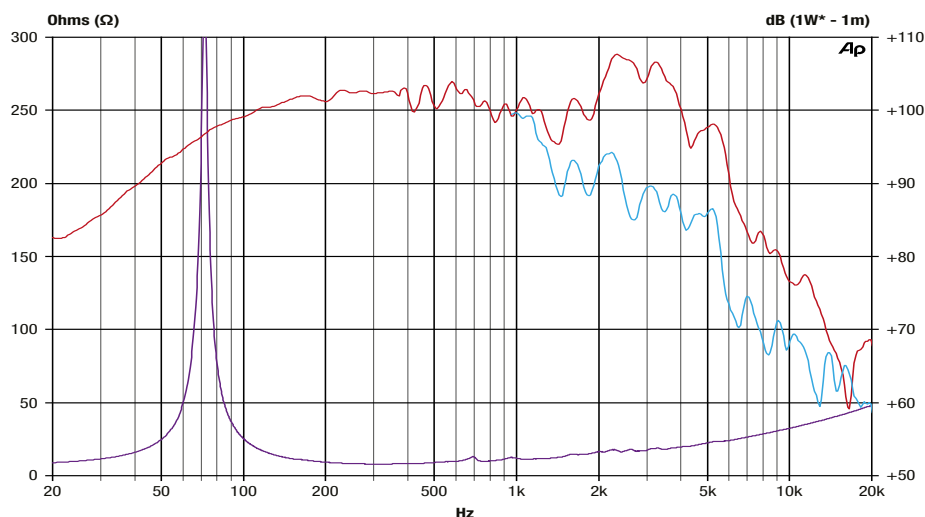
The ceramic magnet, 12-inch, 90 watt, Ascension F90 is the speaker of choice for modern rock and metal sounds. Its articulate high end and super-tight bottom deliver precision and punch while maintaining the legendary Fane tonal character.

Suited for use in closed back 4x12 and 2x12 cabinets as well as single open back applications, the F90 makes a bold tonal statement. Even at low volumes, the F90 provides a great low end you can feel, and thanks to its high power rating can handle the most punishing high sound pressure level situations.

THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	61.0 Litres
Re	6.5 Ω	Vd	0.077 Litres
Le	0.24 mH	Sd	511 cm ²
L2	0.79 mH	Cms	0.16 mm/N
R2	20.4 Ω	BL	14.95 T/m
Qms	19.6	Mms	29.49 g
Qes	0.39	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.38	Efficiency %	5.54 %

IMPEDANCE AND FREQUENCY RESPONSE





ASCENSION N30

12-Inch, Neodymium, Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating**	30 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	99 dB
Magnet Weight	0.2 Kg / 7.05 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.6 Tesla
Coil Winding Height	11 mm / 0.43"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
Magnet Material	Neodymium
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	120.5 mm / 4.74"
Magnet Structure Diameter	112 mm / 4.41"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	2.7 Kg / 5.95 lb
Shipping Weight	3.3 Kg / 7.27 lb
Carton Dimensions	340 x 350 x 210 mm

The Ascension N30 captures the complex sonic structure usually associated with an alnico loudspeaker in a light-weight neodymium format imbued with Fane's authentic vintage tone.

Perfect for guitar players who want a 'big amp' sound from their combos for small gig situations or for those bedroom/domestic musicians who want great tone at lower volume levels. Offering a perfect balance of sound quality and portability, the N30 is suited well for 1 x 12" and 2 x 12" low- to mid-powered combo amps.

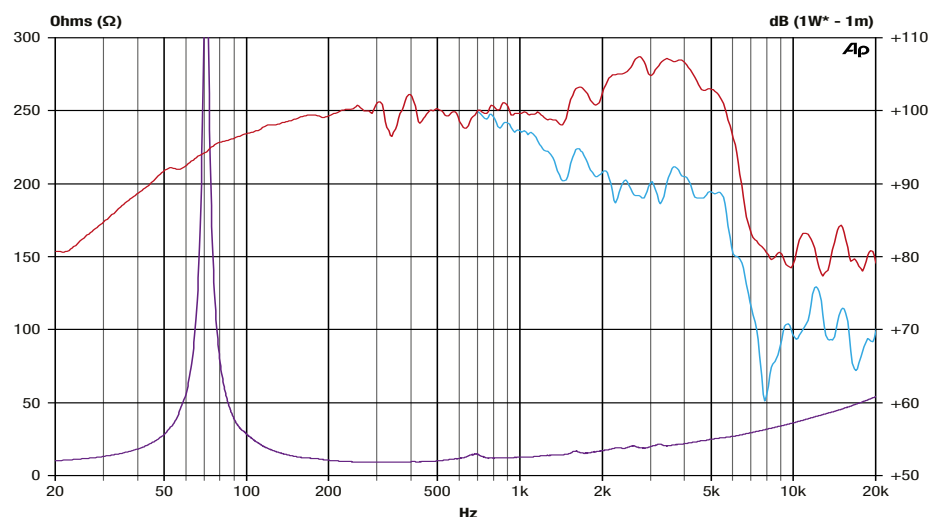
Guitar players seeking a powerful sound from their compact setups will appreciate the N30's crystal-clear tones and tight crunch, especially when played with distortion. With a dynamic range that includes punchy low-end, vocal midrange, and detailed top-end, the N30 adds depth and dimension to any high-end combo valve amp. A lightweight paper cone ensures fast response and harmonic dynamics, while delivering an impressive 99dB output sensitivity.

Available in 8 or 16 ohms, the Ascension N30 proves that lightweight speakers can still pack a punch, making it a versatile choice for enhancing your setup, whether you're looking to experiment with new sounds, upgrade your existing cabinet, or simply lighten the load of your favourite combo amp.

THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	65.04 Litres
Re	7.6 Ω	Vd	0.077 Litres
Le	0.29 mH	Sd	510.71 cm ²
L2	0.74 mH	Cms	0.18 mm/N
R2	18.68 Ω	BL	15.03 T/m
Qms	16.39	Mms	32.7 g
Qes	0.46	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.45	Efficiency %	3.95 %

IMPEDANCE AND FREQUENCY RESPONSE





ASCENSION A30

12-Inch, Alnico, Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating	30 Watts
Frequency Range	75 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1 Kg / 35.27 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	10.7 mm / 0.42"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
Magnet Material	Alnico
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	166.5 mm / 6.56"
Magnet Structure Diameter	102 mm / 4.02"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.1 Kg / 9.04 lb
Shipping Weight	4.7 Kg / 10.36 lb
Carton Dimensions	340 x 350 x 225 mm

The Ascension A30, 30 watt guitar speaker, has been voiced to offer more crunch for classic vintage guitar tones.

Fitted with an Alnico magnet it provides a smoothness and warmth throughout its mid-range and delivers the classic, shimmering alnico chime, detailed top-end coupled with a tight low-end punch that will give your sound new life. Clean tones are crisp, clear and articulate.

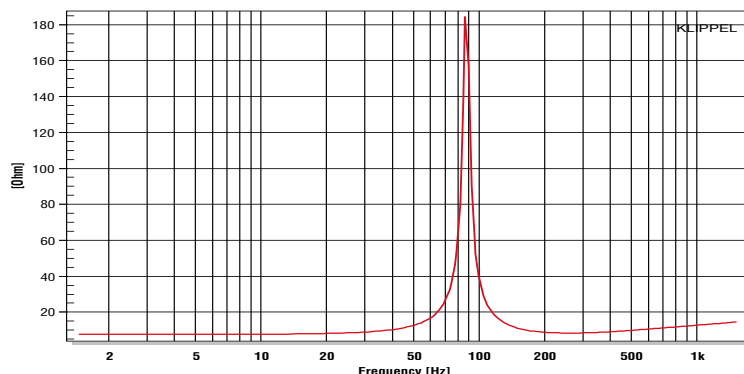
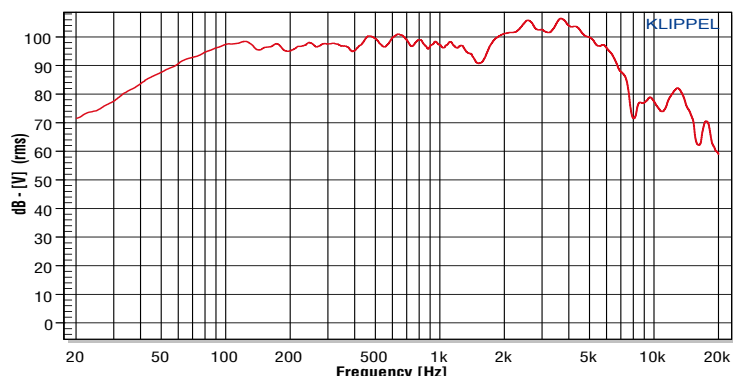
Best suited when used with single, 2x12 cabinets and various boutique amplifiers. The A30 can also be combined with our F30 driver for complimentary alternative sound.

THIELE SMALL PARAMETERS

Fs	85 Hz	Vas	37.47 Litres
Re	7.56 Ω	Vd	0.077 Litres
Le	0.71 mH	Sd	511 cm ²
L2	1.23 mH	Cms	0.102 mm/N
R2	5.53 Ω	BL	13.67 T/m
Qms	18.39	Mms	32.62 g
Qes	0.72	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.69	Efficiency %	3.32 %

IMPEDANCE AND FREQUENCY RESPONSE

IMPEDANCE AND FREQUENCY RESPONSE





ASCENSION F30

12-Inch, Ceramic, Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating	30 Watts
Frequency Range	75 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1.7 Kg / 59.97 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	10.7 mm / 0.42"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
Magnet Material	Ceramic
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	130 mm / 5.12"
Magnet Structure Diameter	152 mm / 5.98"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.85 Kg / 10.69 lb
Shipping Weight	5.45 Kg / 12.01 lb
Carton Dimensions	340 x 350 x 210 mm

The Ascension F30 is a 30 watt, ceramic magnet, guitar speaker. Suitable for reproducing both American and British type sounds, it's perfect for players seeking vintage rock tones in abundance.

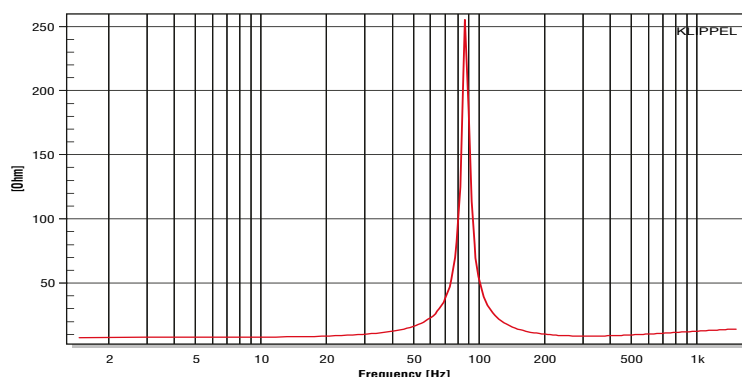
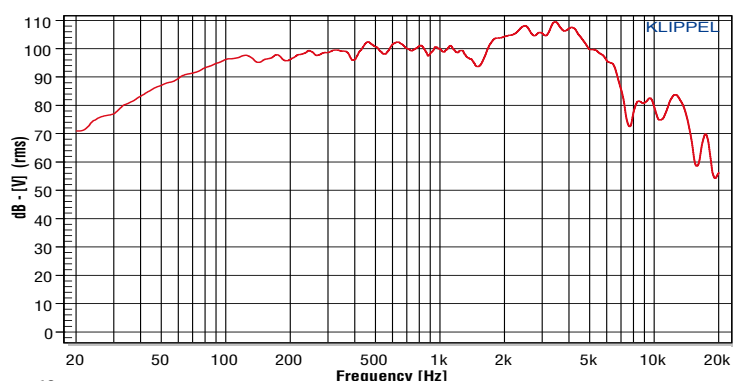
While remaining faithful to the Fane Ascension series tonal character, the F30 is voiced with a strong, tight crunch and low-end presence that offers powerful low-mid's. Cutting through the mix with an attacking upper mid-range and a forward, rich and open, alnico-like, detailed top end. When played clean, tones are detailed and articulate.

The F30 can be used in 1x12 low-powered amps or in multiples for 2x12 or 4x12 medium to high-power, high gain amps.

THIELE SMALL PARAMETERS

Fs	85 Hz	Vas	40.97 Litres
Re	7.63 Ω	Vd	0.077 Litres
Le	0.53 mH	Sd	511 cm ²
L2	1.24 mH	Cms	0.11 mm/N
R2	6.22 Ω	BL	15.8 T/m
Qms	16.48	Mms	30.32 g
Qes	0.50	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.49	Efficiency %	5.80 %

IMPEDANCE AND FREQUENCY RESPONSE



ASCENSION F25

12-Inch, Ceramic, Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating	25 Watts
Frequency Range	75 Hz - 5 kHz
Sensitivity (1 w - 1 m)	98 dB
Magnet Weight	1 Kg / 35.27 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.3 Tesla
Coil Winding Height	10.7 mm / 0.42"
Voice Coil Diameter	44.45 mm / 1.75"

The Ascension F25 is a low wattage, 25 watt, ceramic magnet, guitar speaker with an emphasis on crunch and mid-range presence. A well-balanced driver, equally suited to classic rock sounds as it is jazz, heavy metal or punk.

The F25's tonal character possesses a detailed, yet reduced, top-end that paves the way for a super-satisfying mid punch to chords and cut-through lead tones without being too sharp or shrill. Clean tones are warm, detailed and not overly bright.

The F25 is great for low powered amps but really comes alive when used with high powered amps in 4x12 configurations or valve amps pushed into overdrive. The unit is also lighter than our Ascension F70 or F90.

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
Magnet Material	Ceramic
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

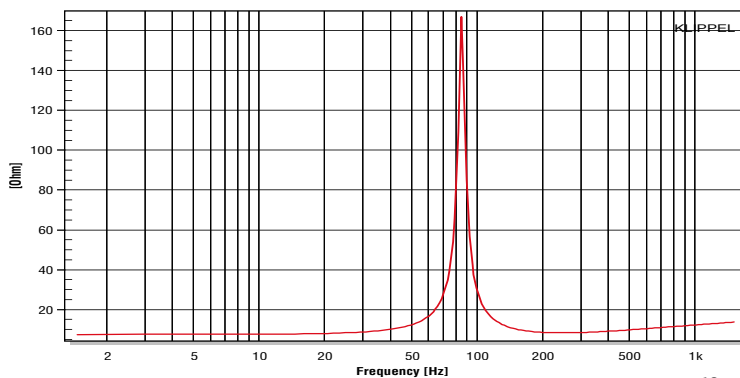
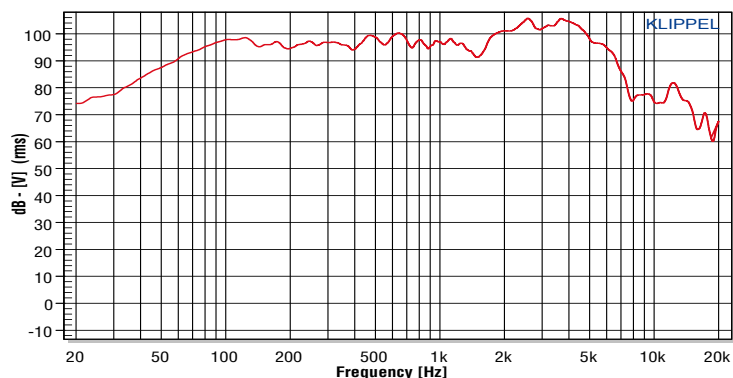
Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	127.5 mm / 5.02"
Magnet Structure Diameter	133.5 mm / 5.26"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	3.55 Kg / 7.83 lb
Shipping Weight	4.15 Kg / 9.14 lb
Carton Dimensions	340 x 350 x 210 mm

THIELE SMALL PARAMETERS

Fs	85 Hz	Vas	40.31 Litres
Re	7.53 Ω	Vd	0.077 Litres
Le	0.65 mH	Sd	511 cm ²
L2	1.23 mH	Cms	0.10 mm/N
R2	4.77 Ω	BL	12.72 T/m
Qms	16.85	Mms	32.11 g
Qes	0.79	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.76	Efficiency %	2.98 %

IMPEDANCE AND FREQUENCY RESPONSE

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