



Jensen[®]

l o u d s p e a k e r s

Generations of Tone





Jensen®

l o u d s p e a k e r s

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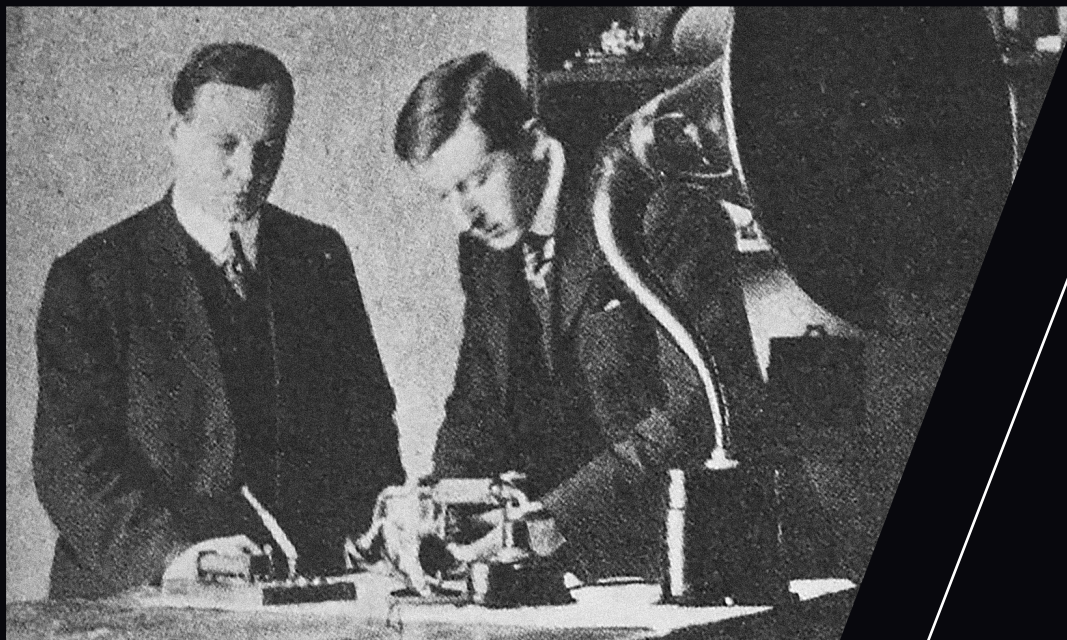
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100th Anniversary of Peter Jensen's Invention of the Loudspeaker 1915-2015

Peter Laurits Jensen dedicated his life to innovation, and today's Jensen® musical instrument speakers continue the essence of that innovation.

Peter L. Jensen was born in 1886 in Falster, Denmark. At the 1900 Paris Exhibition, he made a public demonstration of the telegraphone. He moved to the United States in 1909, and worked in the laboratory of radio pioneer Valdemar Poulsen. Two years later in a small laboratory in Napa, California with Mr. Edwin Pridham, he experimented with Poulsen's arc radio transmitter, adding thicker wires connected to a diaphragm, and putting a coil of copper wire between magnets, thus making a working model of what they called the "electro-dynamic principle" for voice reproduction.

Jensen applied this principle at a Christmas celebration, surprising the townspeople who heard the spoken voice amplified throughout their township. In 1915, working alongside Edwin Pridham, Peter Jensen developed the "Magnavox", the first loudspeaker. In December 1915, he made the first public demonstrations, on the 10th in Golden Gate Park, and another on the 25th playing music in front of San Francisco City Hall. Magnavox speakers were predominantly used for public address systems, famously used in 1919 to amplify President Woodrow Wilson's speech in San Diego.

In 1927 Peter Jensen began producing speakers for both military use and radios, founding the Jensen Radio Manufacturing Company in Chicago. The company later began to produce commercial loudspeakers for public use.

In 1929, the Jensen Company manufactured 60% of all speakers being made for independent radio producers.

In the 1930's and 40's, Jensen pioneered high fidelity by developing and producing the first multiple speaker system.

In 1930, Jensen introduced the first permanent magnet, dynamic loudspeaker and the first commercial compression-driven horn tweeter.

In 1936, Jensen introduced the bass reflex enclosed speaker.

In 1942, Jensen presented the first commercial coaxial two-way loudspeaker.

In the mid-1940s, Leo Fender developed one of first guitar amplifier and chose Jensen® speakers for their excellent tone.

Throughout the 1940s, 1950s and most of the 1960s, Fender®, Ampeg®, Gibson® and all the other major amplifier companies used Jensen® musical instrument speakers, until Jensen® ceased production of their loudspeakers in the late 1960s.

On October 25th, 1961 Peter Laurits Jensen died of lung cancer at his home in Western Springs, Illinois at age of 75.

Jensen®

l o u d s p e a k e r s

In 1996 SICA accepted the challenge to reproduce the legendary Jensen loudspeakers for the market.

SICA))
loudspeakers

It began with meticulous research of the original models, analysis of their characteristics, and tracing the original component suppliers to find the equipment used to produce the seamed and felted cones. After three years of persistent hard work, SICA presented to the market an ideal reproduction, both in sound and in appearance, of the P10R, the most famous Jensen guitar loudspeaker with an AlNiCo magnet.

The success obtained at the 1999 NAMM spurred the engineers and musicians involved in the project to continue with unaltered passion. That same year the other models with AlNiCo magnets came out, including the P12N, known as the Blue Bell, which continues to stand out for its amazing sound qualities.

In 2000 the Vintage Ceramic series was presented and it is also reproduced in line with the original loudspeakers of the Sixties.

The Jensen® “reissues”, after intensive research and analysis, are made to the same specifications as the original Jensen® speakers used by Leo Fender and others. **Following the success of these reissues, Jensen® released new speakers utilizing the same quality design as the original Jensen® speakers, but dedicated to modern music, including speakers in the Jensen® Jet Series.** From 2000 to 2007 the Jensen speaker designers dedicated their attention to understanding how the guitar market had evolved over the years and what technical characteristics and tone players desired. In 2008, the Jet series was introduced, a series dedicated to modern music. **The Jet series includes loudspeakers with magnets in AlNiCo, ferrite and neodymium.** The neodymium model is assembled with an “inside voice coil” configuration just like the AlNiCo loudspeakers. All the models share the characteristics of extreme flexibility of use and excellent definition of sound. **These loudspeakers mark Jensen’s new approach to the reproduction of guitar sound.**

The Jensen Jet series **Falcon, Electric Lightning, Nighthawk, Tornado and Blackbird** speakers, already famous amongst the most meticulous musicians, have set the stage for the celebration of Jensen speaker’s 100th anniversary in 2015.

The Jensen® name, while synonymous with classic vintage tone, is the pioneer in modern state-of-the-art speakers today.



Vintage AlNiCo

The “Living legends” of Rock ‘n’ Roll are back!

Original designs of the late 40’s and early 50’s have been recreated using many of the original parts suppliers.

Highly efficient AlNiCo magnets and seamed paper cones are the foundation for the famous Jensen® Sound.

Jensen® P Series Vintage AlNiCo speakers represent an important contribution to the past, the present and, no doubt, the future of rock ‘n’ roll music. **They are loved by generations of guitarists around the world.**



Vintage Ceramic

The Jensen® C series speakers were developed in the early 60’s, due to the drop of the worldwide cobalt (Co in AlNiCo) supply, followed by a substantial increase in the price of this strategic metal.

As a result, Jensen® engineers turned to ceramic magnets in the development of speakers, also using seamed and felted paper cones and high power voice coils.

Jensen® C series speakers soon became the choice of a wide variety of amplifier manufacturers in the 60’s.



VINTAGE SERIES



AINiCo

P 15 N

15", 50 watts

LOWS:
Tight/Fat

MIDS:
Aggressive

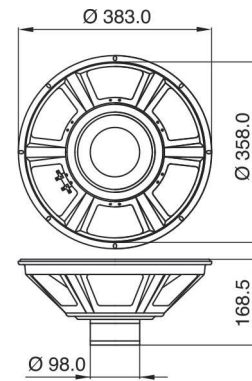
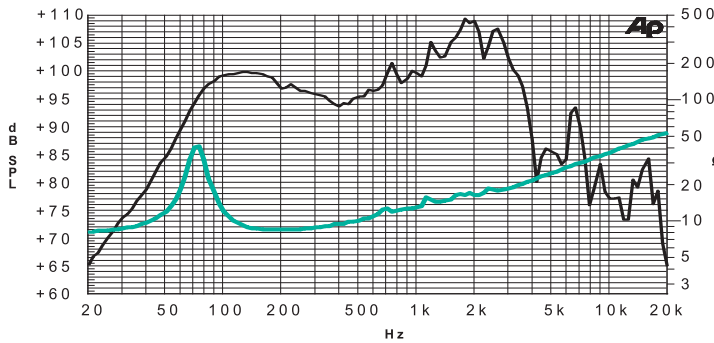
HIGHS:
Bright

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Warm, deep low-end and sparkling highs. It responds to overdrive distortion with a bright edge and lengthy sustain capabilities.



AINiCo

P 12 N

12", 50 watts

LOWS:
Loose

MIDS:
Aggressive

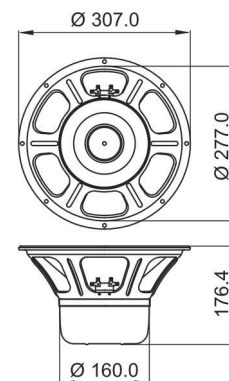
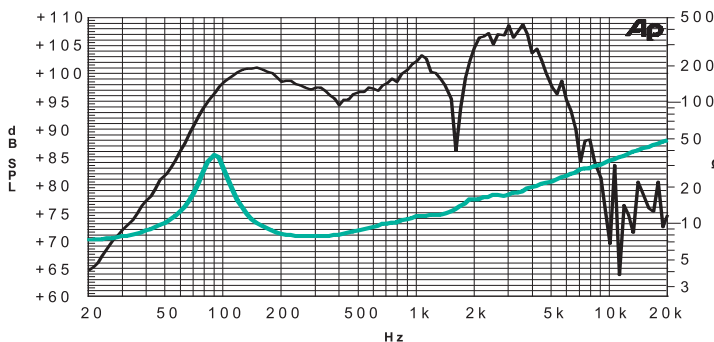
HIGHS:
Bright

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Very warm and full bodied tone with powerful mid-bite and sparkling highs. When presented with overdrive distortion, it displays a bright and colorful crunch.



LOWS:
Loose

MIDS:
Firm

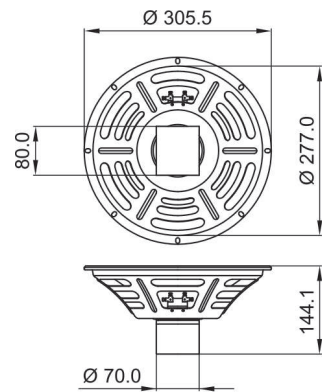
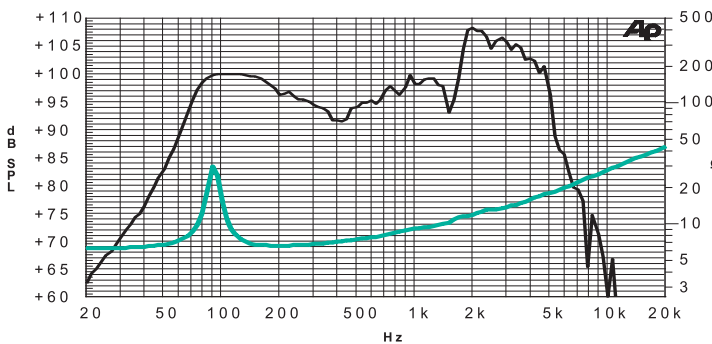
HIGHS:
Smooth

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Very warm, mid-focused bite with clear, bright highs. When presented with overdrive distortion, it remains well balanced.



LOWS:
Loose

MIDS:
Firm

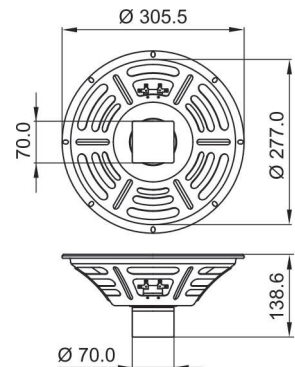
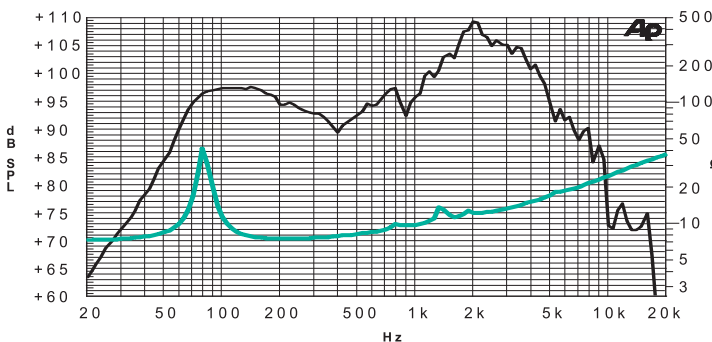
HIGHS:
Bright

OVERDRIVE:
Edgy/Crunchy

Sound features:

Guitarist Description:

Straightforward, bright tone.



AINiCo
P 10 Q

10", 40 watts

LOWS:
Loose

MIDS:
Firm

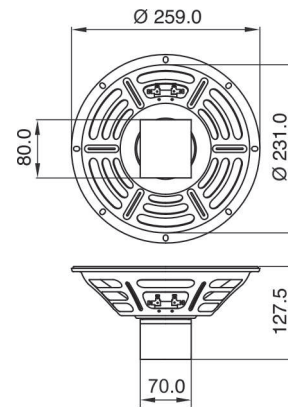
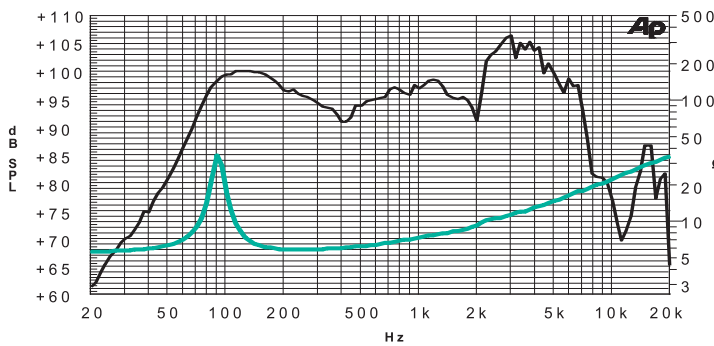
HIGHS:
Bright

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Warm tone with some bite in the mid frequencies which translates into a fierce response to overdrive distortion.



AINiCo
P 10 R

10", 25 watts

LOWS:
Loose

MIDS:
Firm

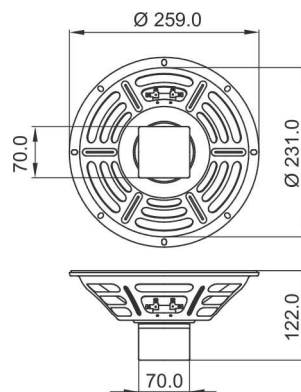
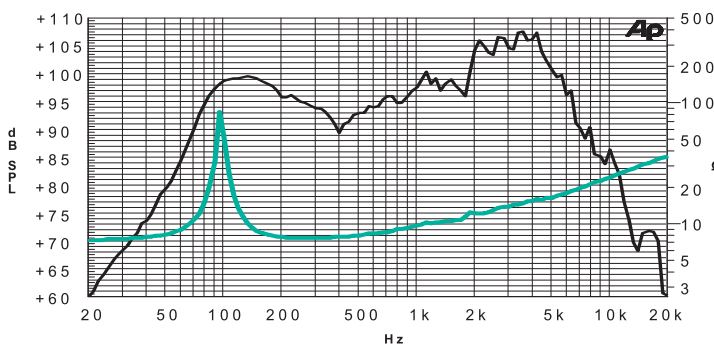
HIGHS:
Smooth

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Rich, warm tone. It accentuates the higher frequencies in sparkling detail.



LOWS:
Loose

MIDS:
Subdued

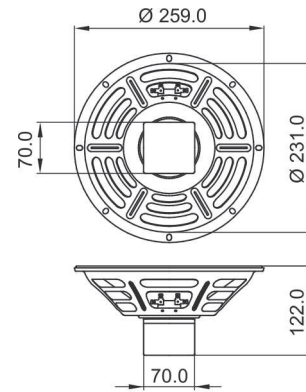
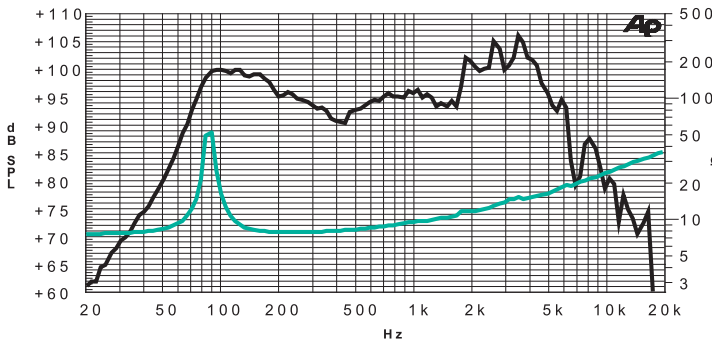
HIGHS:
Subtle

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Warm, mellow tone with less bite and brightness than the standard P10R. In overdrive, this one eases into a creamy distortion.



LOWS:
Loose

MIDS:
Subdued

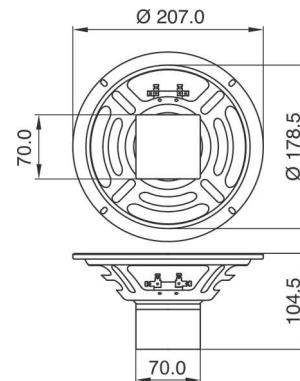
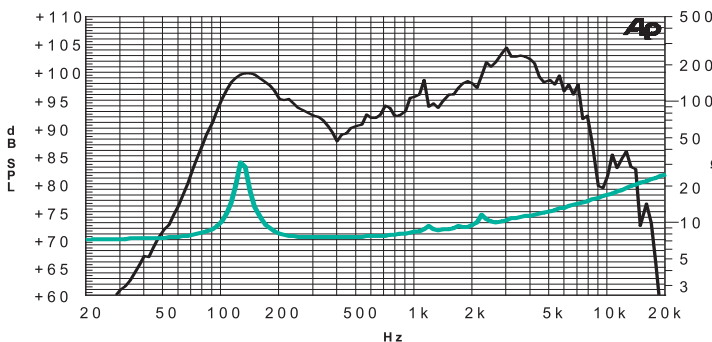
HIGHS:
Bright

OVERDRIVE:
Smooth

Sound features:

Guitarist Description:

Warm and clean tone with emphasis on the highs. It responds to overdrive distortion with a warm and bright fuzz lead voice.



LOWS:
Tight

MIDS:
Firm

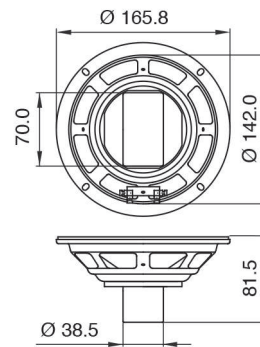
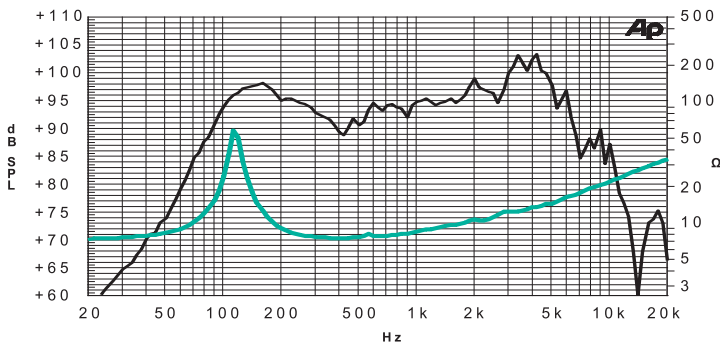
HIGHS:
Bright

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Warm clean tone with sparkling highs. It responds to overdrive distortion with a gritty bite.





Ceramic
C 15 K

15", 100 watts

LOWS:
Fat

MIDS:
Aggressive

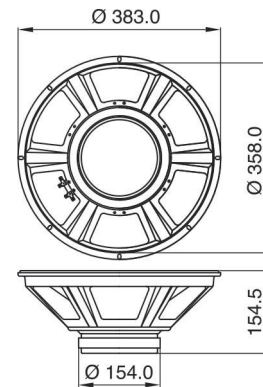
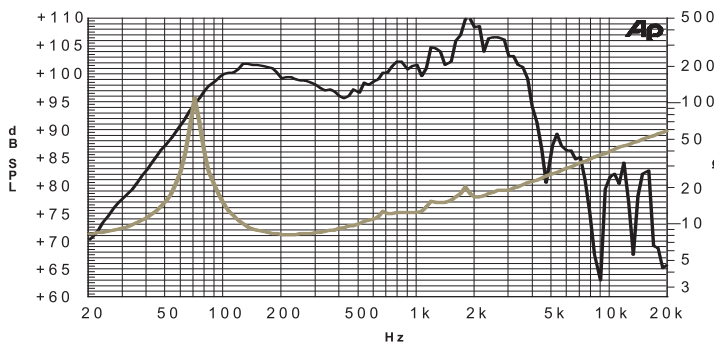
HIGHS:
Bright

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Full, boomy low-end with aggressive mids and bright highs. It responds to overdrive distortion with a strong rhythm crunch and fuzz lead voice.



Ceramic
C 15 N

15", 50 watts

LOWS:
Fat

MIDS:
Aggressive

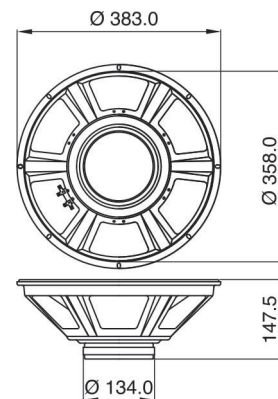
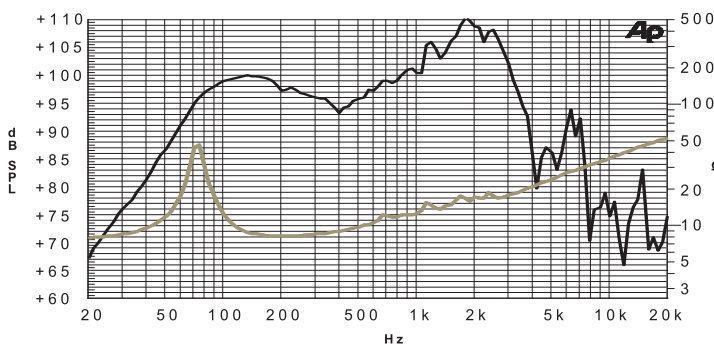
HIGHS:
Bright

OVERDRIVE:
Smooth

Sound features:

Guitarist Description:

Tight low-end and clear, bright highs. It responds to overdrive distortion with a gritty edge.



Ceramic
C 12 K2

12", 100 watts

LOWS:
Fat

MIDS:
Firm

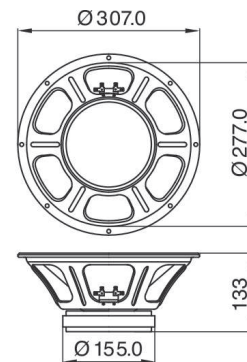
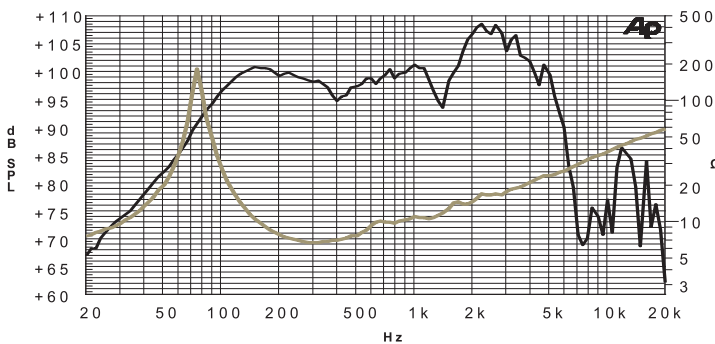
HIGHS:
Subtle

OVERDRIVE:
Edgy/Crunchy

Sound features:

Guitarist Description:

Fat, smooth and warm. Presented with overdrive distortion, it exhibits a silky, smooth, lead fuzz.



Ceramic
C 12 K

12", 100 watts

LOWS:
Tight

MIDS:
Aggressive

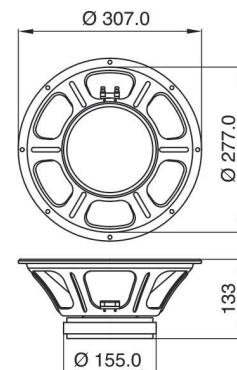
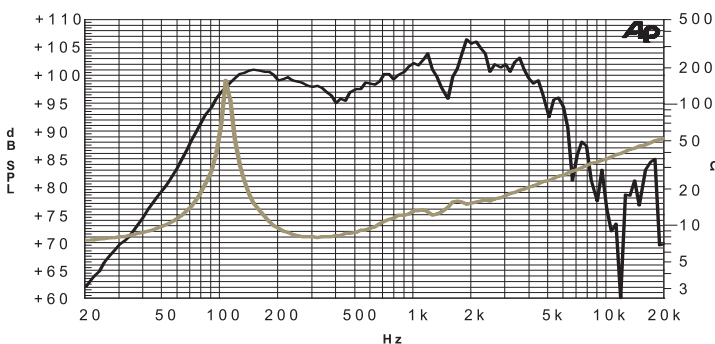
HIGHS:
Subtle

OVERDRIVE:
Edgy/Crunchy

Sound features:

Guitarist Description:

A real workhorse, heavy on the mids with a solid, straight-forward tone. Presented with overdrive distortion, it powers through with lows that are bold and heavy.



Ceramic
C 12 N

12", 50 watts

LOWS:
Loose

MIDS:
Aggressive

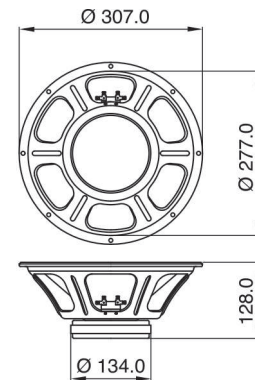
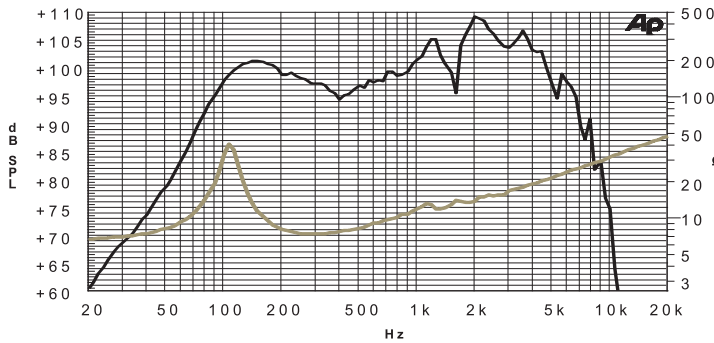
HIGHS:
Bright

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Smooth and straightforward, full bodied tone with high frequency chime. It responds to overdrive distortion with powerful mid bite.



Ceramic
C 12 Q

12", 35 watts

LOWS:
Tight

MIDS:
Aggressive

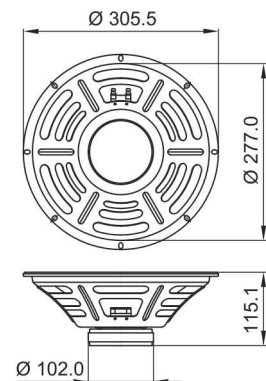
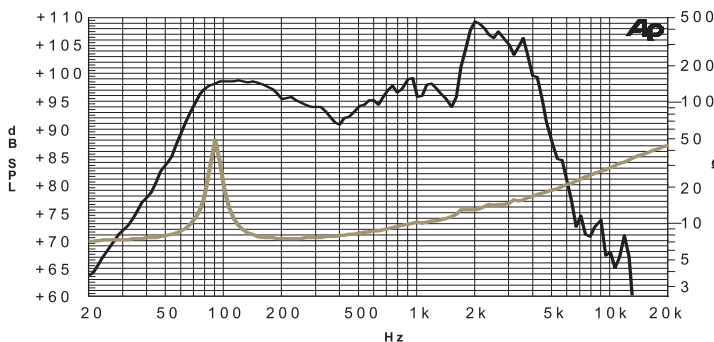
HIGHS:
Bright

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Well rounded, straightforward tone with a lot of mid bite and bright highs.



Ceramic
C 12 R

12", 25 watts



LOWS:
Tight

MIDS:
Firm

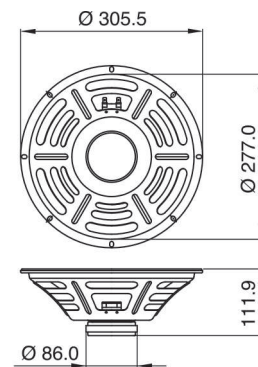
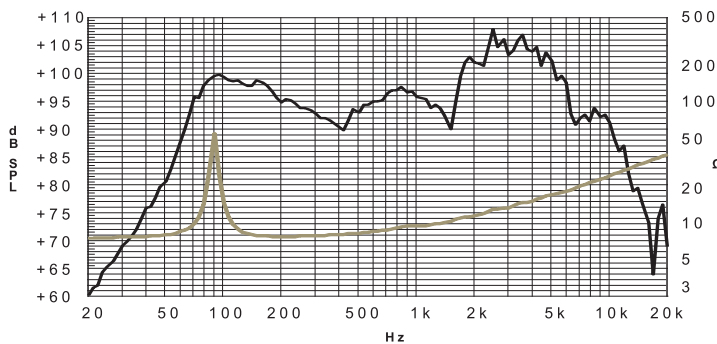
HIGHS:
Bright

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Warm low and mid response with smooth/bright highs. When presented with overdrive distortion, it has a smooth crunch with low-end focus.



Ceramic
C 10 Q

10", 35 watts

LOWS:
Loose

MIDS:
Aggressive

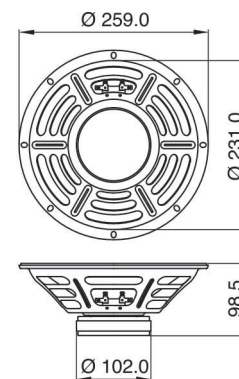
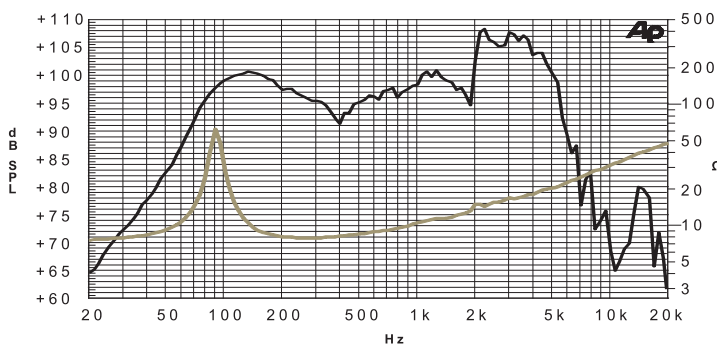
HIGHS:
Bright

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Straightforward tone with mid-frequency bite. Presented with overdrive distortion, it can sound edgy.



Ceramic
C 10 R

10", 25 watts

LOWS:
Loose

MIDS:
Firm

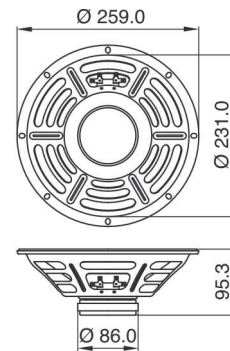
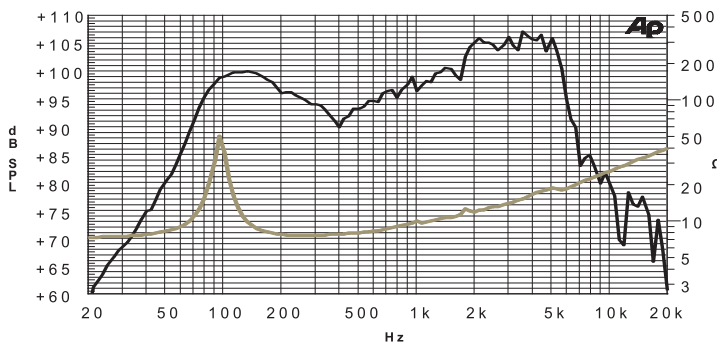
HIGHS:
Bright

OVERDRIVE:
Edgy/Crunchy

Sound features:

Guitarist Description:

Colorful bell-like chime which transitions into a gritty response when presented with overdrive distortion.



Ceramic
C 8 R

8", 25 watts

LOWS:
Tight

MIDS:
Aggressive

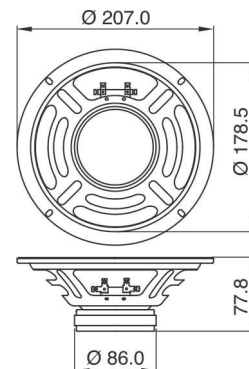
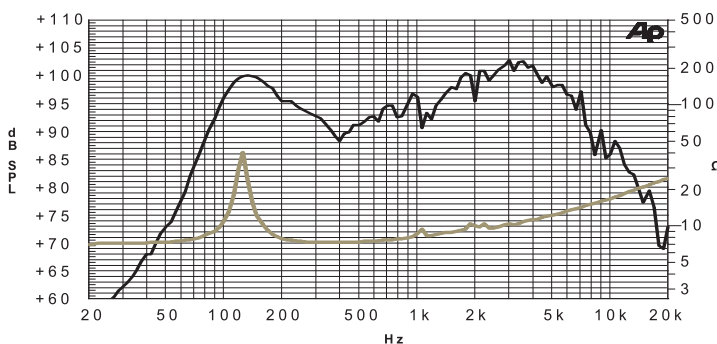
HIGHS:
Bright

OVERDRIVE:
Edgy

Sound features:

Guitarist Description:

Crystal clear tone with brightly shining highs. It responds to overdrive distortion with a bright fuzz lead voice.



Ceramic
C 6 V

6,5", 20 watts

Jensen
loudspeakers

LOWS:
Tight

MIDS:
Firm

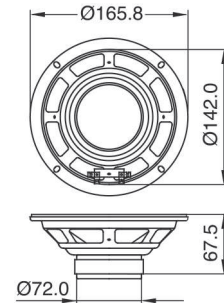
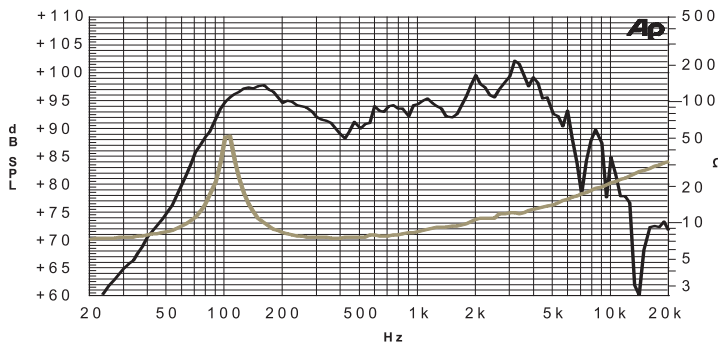
HIGHS:
Smooth

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Extremely versatile. Warm clean tone with top-end chime. It remains strong and articulate when presented with overdrive distortion.





LOWS:
Tight

MIDS:
Aggressive

HIGHS:
Subtle

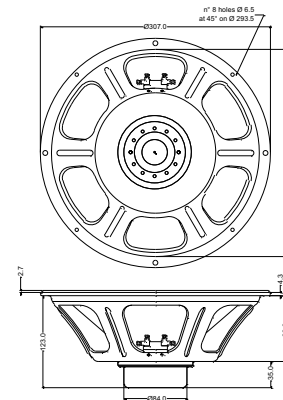
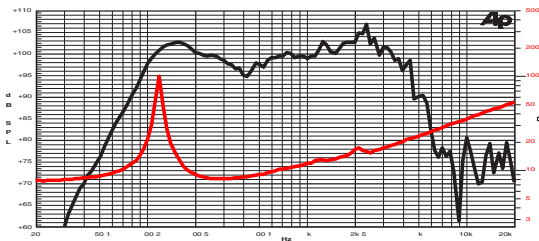
OVERDRIVE:
Edgy/Crunchy

Guitarist Description:

The N12K was developed in conjunction with Fender® as the speaker for the new Tone Master™ Deluxe Reverb® and Twin Reverb®.

It delivers the closest sound, character and dynamic feel to the classic Jensen C12K, with half the weight, thanks to the exclusive Jensen Neodymium magnet design.

The N12K delivers a warm, full bodied tone, with remarkable headroom and just the right amount of brilliance and sparkle.



Tornado (Neodymium)

p. 22

High power, light weight and great tone quality. With focused lows, very vocal mids and clear, natural highs, the Tornado is one of the most versatile speakers available in the market today.

Tornado Stealth (Neodymium)

p. 23

The new Tornado Stealth line of speakers are featherweight neodymium speakers with remarkable sound. The Stealths come in three varieties, each with a unique tonal character.

Blackbird (AlNiCo)

p. 25

Powerful but classy, the Blackbird offers great dynamics, a very rich harmonic texture with plenty of warmth and a very open high end. All the sweetness of a vintage inspired speaker, with the definition of a modern one.

Raptor (Ceramic)

p. 28

This new ceramic speaker delivers a boutique class tone, clean and detailed yet warm and powerful, an extended frequency response and a versatile and natural voice, transparent and respectful of the guitar and amplifier tonal imprints.

Nighthawk (Ceramic)

p. 28

With its powerful ceramic magnet and larger voice coil diameter, the Nighthawk stealthily offers a blend of tonal characteristics from both sides of the Atlantic, with exceptional punch and a smooth yet detailed top end.

Electric Lightning (Ceramic)

p. 29

The Electric Lightning is a true "in your face" Rock 'n' Roll speaker. Its well-balanced tone perfectly allows, in true Jensen®'s tradition, the versatility required by today's players.

Falcon (Ceramic)

p. 26

The Falcon is designed to deliver true Jensen® character with a fatter, juicier tone, retaining all the brand's famous crispy voice but capable of delivering on demand a more British-like powerful, crunchy overdrive.

Silverbird (Ceramic)

p. 32

The Silverbird are directly inspired from the Blackbird 40 "Reinforced AlNiCo" series, but with ceramic magnet mounted. Warm low end, clear and expressive midrange and detailed top end.



Jet Series

JET SERIES



N 12/100 TR Neodymium

Tornado 12

12", 100 watts

LOWS:

Loose/Fat

MIDS:

Subdued

HIGHS:

Smooth

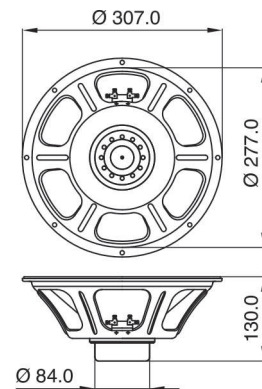
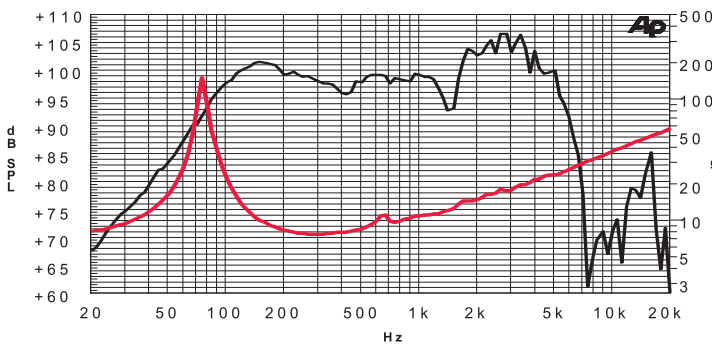
OVERDRIVE:

Edgy

Sound features:

Guitarist Description:

Crystal clear clean tones, accented by shimmering highs with each note sounding tight and well defined. When presented with overdrive distortion, the notes remain well defined with lots of bite.



N 10/100 TR Neodymium

Tornado 10

10", 100 watts

LOWS:

Tight/Fat

MIDS:

Aggressive

HIGHS:

Bright

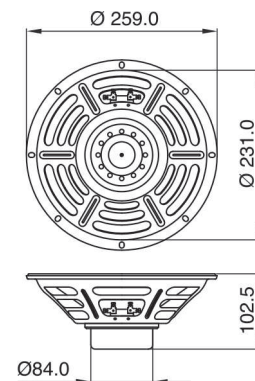
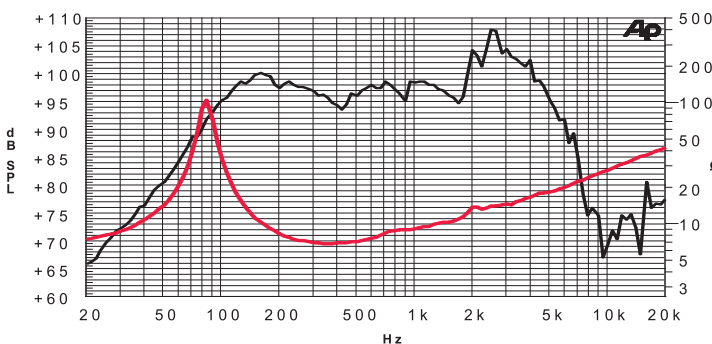
OVERDRIVE:

Edgy/Crunchy

Sound features:

Guitarist Description:

Tight, warm low end response topped with sparkling highs. It exhibits a bright and well defined bite when presented with overdrive distortion.



N 12/100 TR Stealth Neodymium

Tornado Stealth 100 12", 100 watts

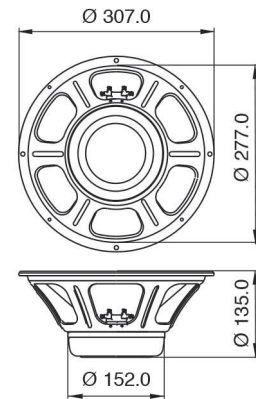
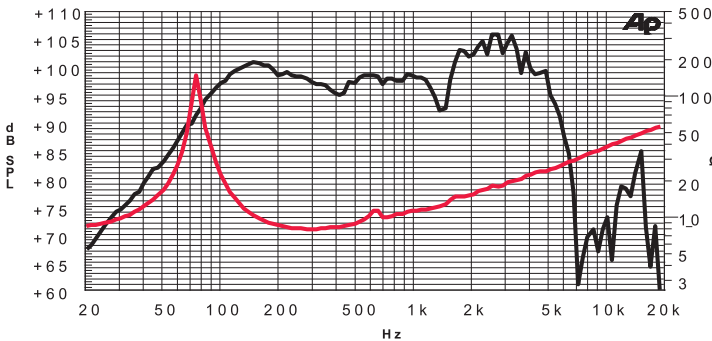


LOWS: Loose/Fat	MIDS: Subdued	HIGHS: Smooth	OVERDRIVE: Edgy
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Sound features:

Guitarist Description:

Add a stylish, sleek bell onto the original Tornado Classic 12, to cover the magnet assembly, for an even better looking speaker, for open back cabinets and combo amplifiers: this is the Tornado Stealth 100, with its original, smooth, refined, yet crystal clear tone. One of the most versatile speakers in the family, and one of the most successful.



N 12/80 TR Stealth Neodymium

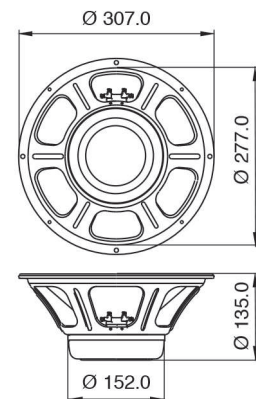
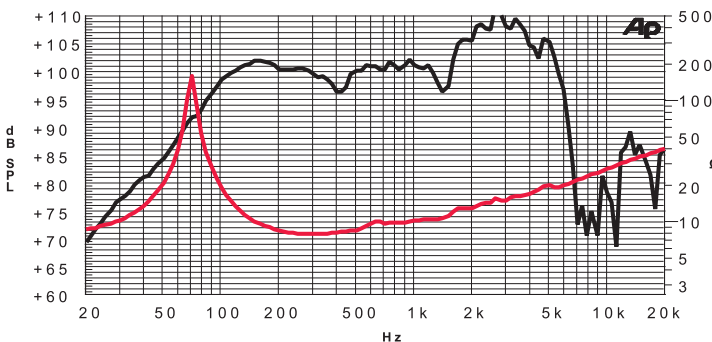
Tornado Stealth 80 12", 80 watts

LOWS: Tight / Deep	MIDS: Firm	HIGHS: Bright	OVERDRIVE: Smooth
------------------------------	----------------------	-------------------------	-----------------------------

Sound features:

Guitarist Description:

Well balanced from low to high end with firm mids and sparkling highs. When presented with overdrive distortion, it remains smooth with detailed note definition.



N 12/65 TR Stealth Neodymium

Tornado Stealth 65 12", 65 watts

LOWS:
Fat

MIDS:
Subdued

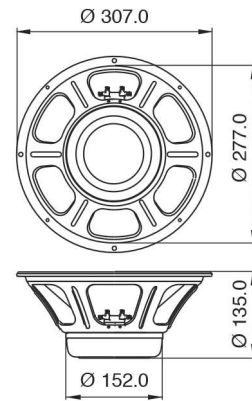
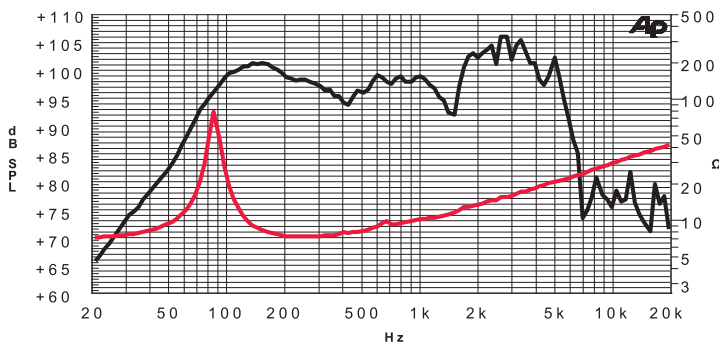
HIGHS:
Smooth

OVERDRIVE:
Smooth

Sound features:

Guitarist Description:

Warm low end, relaxed mids and rounded highs. It responds to overdrive distortion with easy breakup and punch.



P 12/100 BB AlNiCo
Blackbird 12

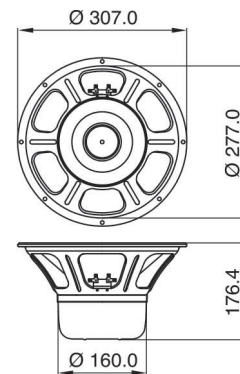
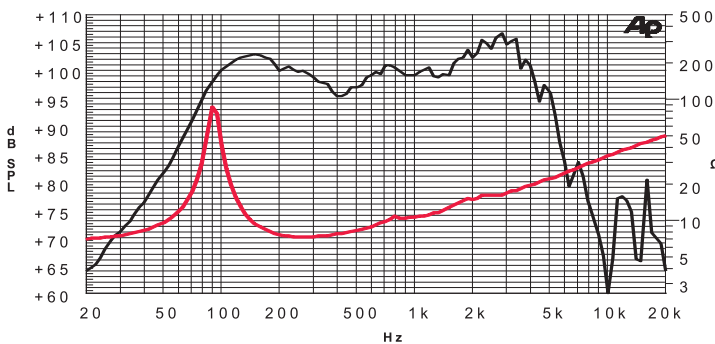
12", 100 watts

LOWS: Fat | **MIDS:** Firm | **HIGHS:** Smooth | **OVERDRIVE:** Smooth

Sound features:

Guitarist Description:

Extremely warm and smooth with a very rich, fat low-end and sparkling highs. It handles overdrive distortion by bringing out colorful detail and holding strong even at maximum crunch.



P 10/100 BB AlNiCo
Blackbird 10

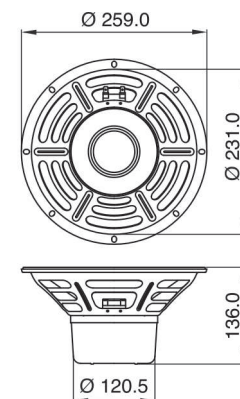
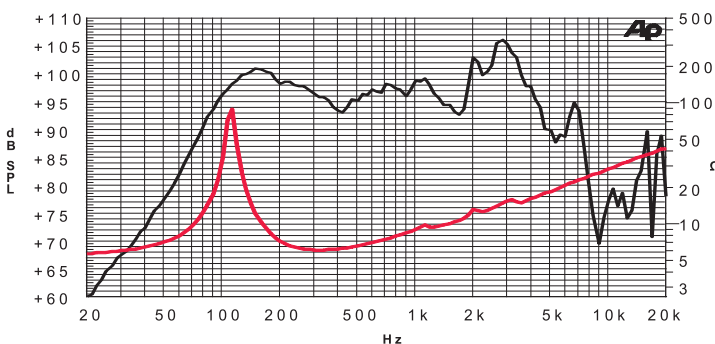
10", 100 watts

LOWS: Fat | **MIDS:** Aggressive | **HIGHS:** Bright | **OVERDRIVE:** Edgy/Crunchy

Sound features:

Guitarist Description:

Fat low end response topped with sparkling highs. It exhibits a bright, dirty grit when presented with overdrive distortion.



Blackbird
P 12/40 BB

12", 40 watts

LOWS:
Tight

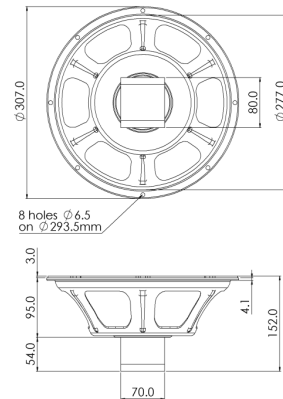
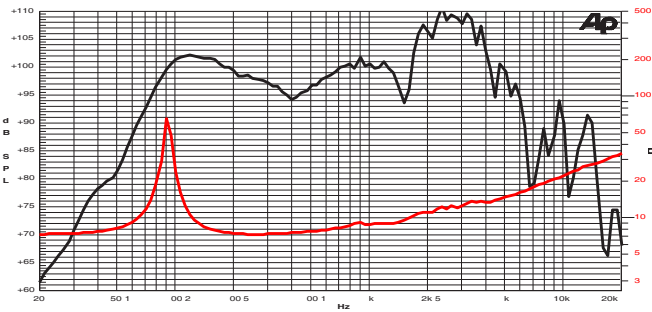
MIDS:
Present

HIGHS:
Brilliant

OVERDRIVE:
Crunchy

Guitarist Description:

Warm and natural sounding with a remarkably deep and controlled low end, a firm midrange, topped by a transparent, chimey treble range. Capable of crunchy overdriven tones, with a brilliant, detailed response.



Blackbird
P 10/40 BB

10", 40 watts

LOWS:
Tight

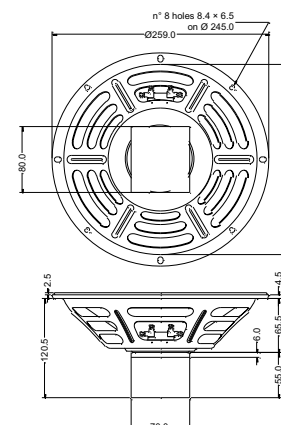
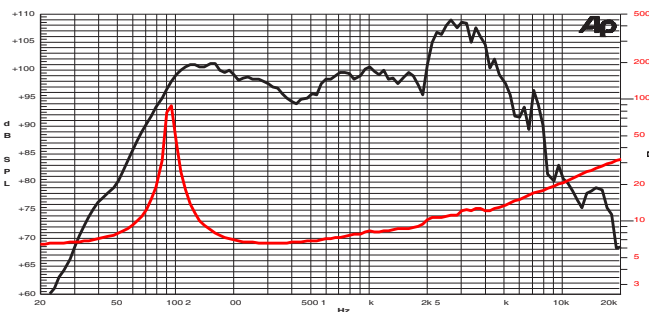
MIDS:
Present

HIGHS:
Brilliant

OVERDRIVE:
Crunchy

Guitarist Description:

Warm and natural sounding with a remarkably deep and controlled low end, a firm midrange, topped by a transparent, chimey treble range. Capable of crunchy overdriven tones, with a brilliant, detailed response.





C 12/100 RT Ceramic

Raptor 12

12", 100 watts

LOWS:
Fat/Deep

MIDS:
Firm/Vocal

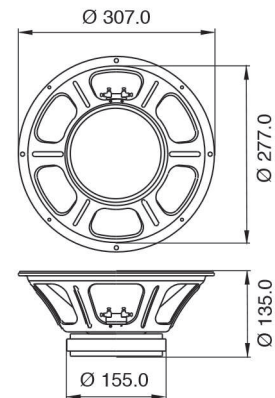
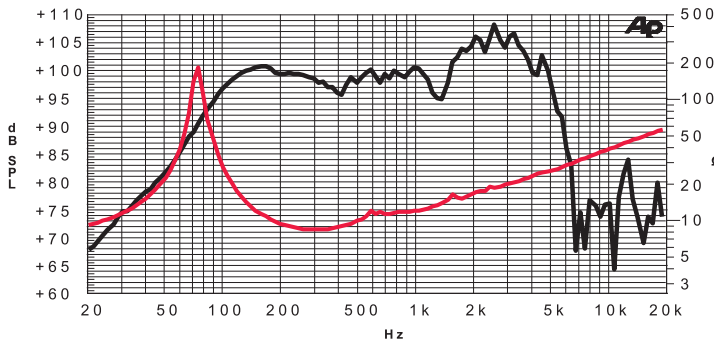
HIGHS:
Subtle/
Extended

OVERDRIVE:
Smooth/
Crunchy

Sound features:

Guitarist Description:

Powerful, smooth and warm. Excellent definition in the upper midrange. When presented with overdrive distortion, it exhibits a silky full-sounding lead tone.



C 12/75 NH Ceramic

Nighthawk 12

12", 75 watts

LOWS:
Fat

MIDS:
Firm

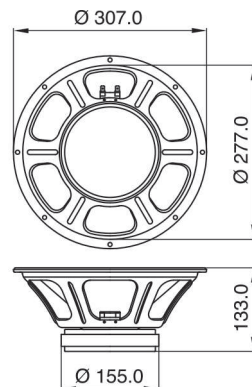
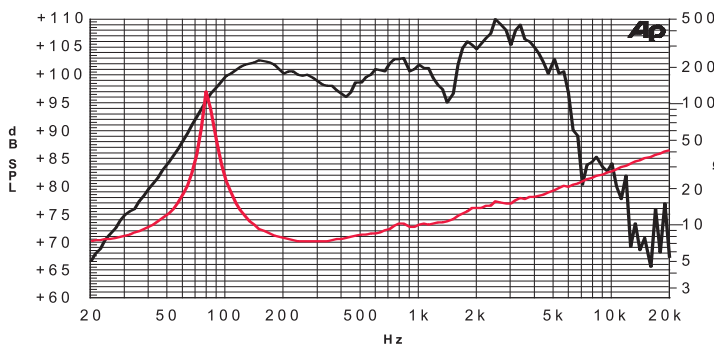
HIGHS:
Smooth

OVERDRIVE:
Smooth

Sound features:

Guitarist Description:

Warm, smooth and open with strong, throaty note definition complemented by crisp, clear highs.



C 12/70 EL Ceramic

Electric Lightning 12 12", 70 watts

Jensen
loudspeakers

LOWS:
Fat

MIDS:
Aggressive

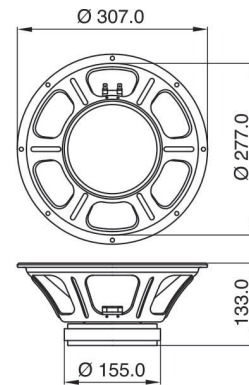
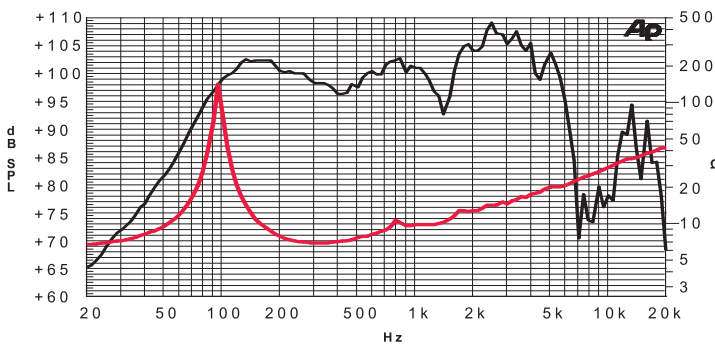
HIGHS:
Bright

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Straightforward, powerful tone with fat lows, throaty mids and crisp, bright highs. It responds to overdrive distortion with a commandingly strong and well-defined crunch.



C 10/50 EL Ceramic

Electric Lightning 10 10", 50 watts

LOWS:
Fat

MIDS:
Aggressive

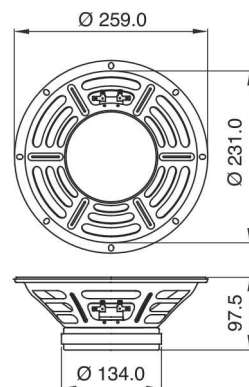
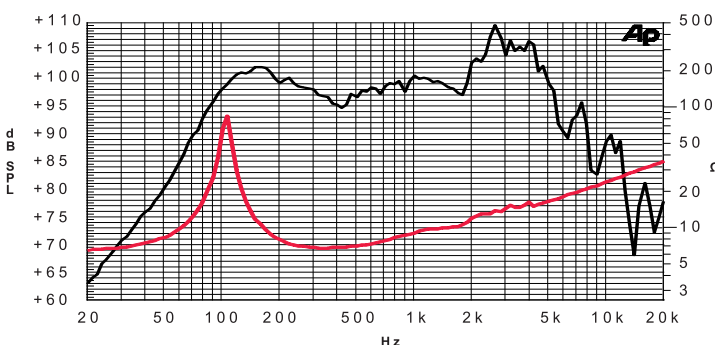
HIGHS:
Bright

OVERDRIVE:
Crunchy

Sound features:

Guitarist Description:

Warm and bold with shimmering highs. Presented with overdrive distortion, it remains strong and articulate.



C 12/50 FA Ceramic

Falcon 12

12", 50 watts

LOWS:

Loose/Fat

MIDS:

Firm

HIGHS:

Bright

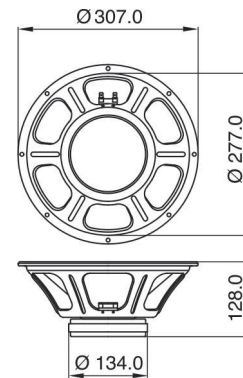
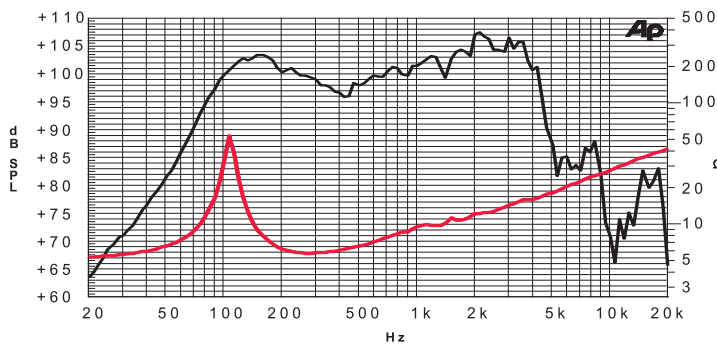
OVERDRIVE:

Crunchy

Sound features:

Guitarist Description:

Warm and full bodied tone with lows that are rich and fat. It responds to overdrive distortion with a colorful crunch.



C 10/40 FA Ceramic

Falcon 10

10", 40 watts

LOWS:

Tight/Fat

MIDS:

Firm

HIGHS:

Smooth

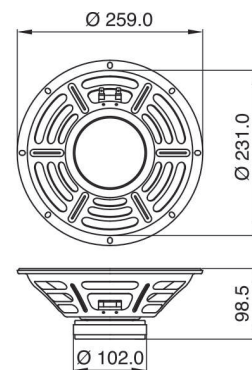
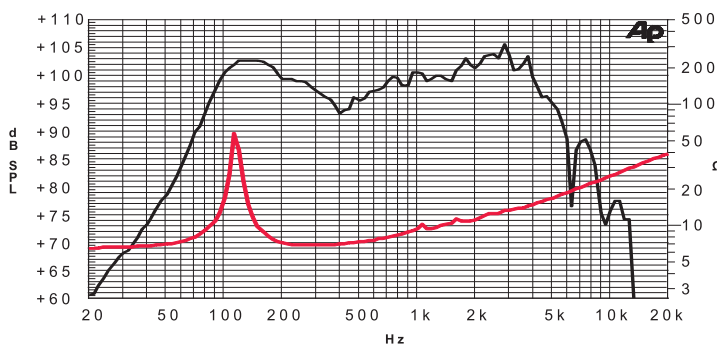
OVERDRIVE:

Crunchy

Sound features:

Guitarist Description:

The Falcon 10" delivers a warm, articulate tone; the lower end is fat but controlled, the midrange is firm and detailed, and the high end shines with a sweet, clear response. In overdrive applications, it offers many different shades of crunchy tones, from singing leads to aggressive power chords, ensuring optimum performances in a variety of music styles.





SILVERBIRD

Silverbird
C 12/70 SB

12", 70 watts

LOWS:
Robust

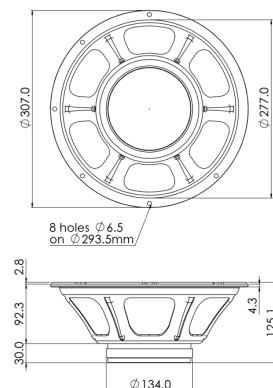
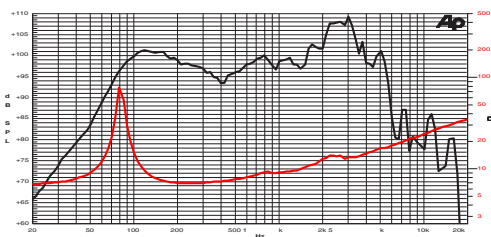
MIDS:
Clear

HIGHS:
Detailed

OVERDRIVE:
Crunchy

Sound features:

Directly inspired from the Blackbird 12/40 "Reinforced AlNiCo" speaker, the Silverbird 12 start off from a proper vintage tone, topped by a voicing optimized for the contemporary players. It retains the delicate, detailed top end, so important for a good clean tone, and a clear, expressive midrange. Its robust, warm low end is a solid foundation for an overall balanced, powerful, lively tone also with higher gain applications.



Silverbird
C 10/40 SB

10", 40 watts

LOWS:
Warm

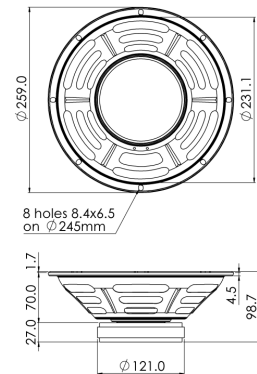
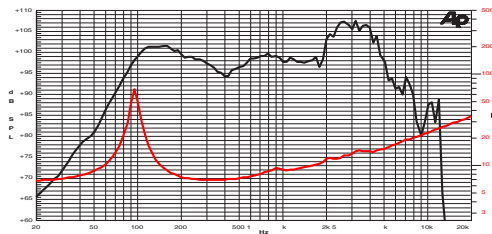
MIDS:
Detailed

HIGHS:
Open

OVERDRIVE:
Crunchy

Sound features:

Directly inspired from the Blackbird 10/40 "Reinforced AlNiCo" tonal imprint, the Silverbird 10 is a superbly balanced speaker. It retains the typical immediacy of the best 10", paired with a powerful bass range, tight enough for the higher gain applications, yet warm and full. Highly versatile, the Silverbird 10 fits nicely in a wide range of musical genres with its open and detailed vintage inspired tone.





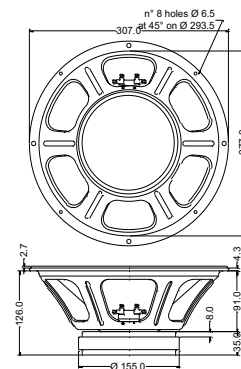
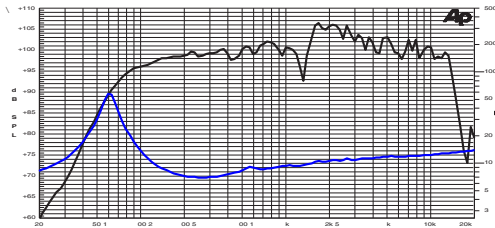
al Series
DIGITAL SERIES



The D-series is an innovative speaker line designed for the new generation of Digital, modeling, profiling and IR-based amplifiers. The series is also indicated for acoustic guitar amplification. Not recommended for traditional electric guitar amplifiers.

Sound Features:

Extended response on the upper range, to transduce the detail of the digital effects and the harmonic content of a mic'ed guitar cabinet. Directly derived from the traditional guitar speakers, with integrated paper surround, the C12D is able to return a powerful, organic, warm tone and character of a classic guitar amplifier, but also the treble content and complex harmonics of the overdrive, modulation, delay and reverb effects, as well as the crisp, natural tone of an amplified acoustic guitar.

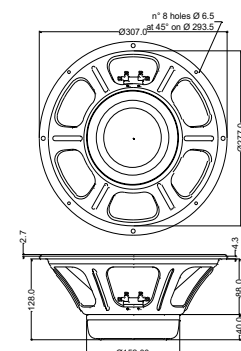
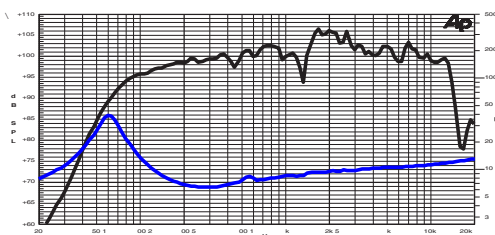


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The Neodymium magnet design allows to reduce the weight to 2.4 kgs only.



Punch Sound

p. 38

Punch Sound speakers offer great dynamics and super-fast response, giving the player an extremely solid bass sound. Equipped with ferrite magnets and steel baskets, they are ideal for classic styles where a clean, tight and bright sound is required.



Smooth Sound

p. 40

Smooth Sound speakers are extremely clean and round with superb headroom. Equipped with neodymium magnets and aluminium baskets, they offer great linear excursion and dynamics. They are ideal for modern styles where extended low end is required. Neodymium magnets offer a 50% reduction in weight guaranteeing very light systems. The proprietary aluminium basket was specially designed to avoid sound wave reflections on the rear side of the cone, thereby allowing for faster and better cooling of both the voice coil and the air moved by it.



BASS SERIES



Punch Sound Ceramic

BP 15/250

15", 500 watts

LOWS:
Fat

MIDS:
Firm

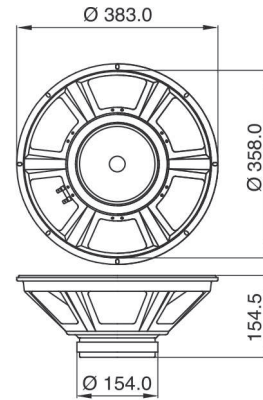
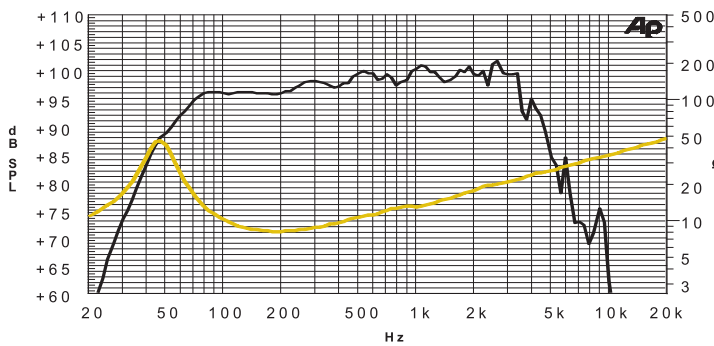
HIGHS:
Bright

OVERALL FEEL:
Punchy

Sound features:

Bassist Description:

Boomy with a well defined top end.



Punch Sound Ceramic

BP 12/250

12", 500 watts

LOWS:
Tight

MIDS:
Firm

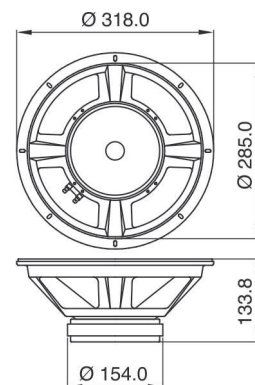
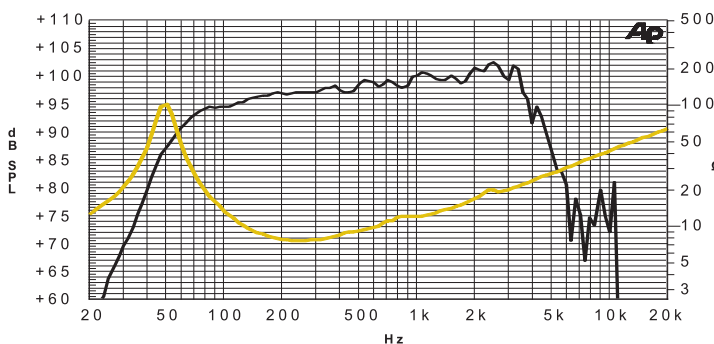
HIGHS:
Bright

OVERALL FEEL:
Punchy

Sound features:

Bassist Description:

Thick and defined.



Punch Sound Ceramic
BP 10/150

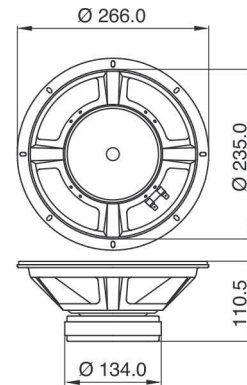
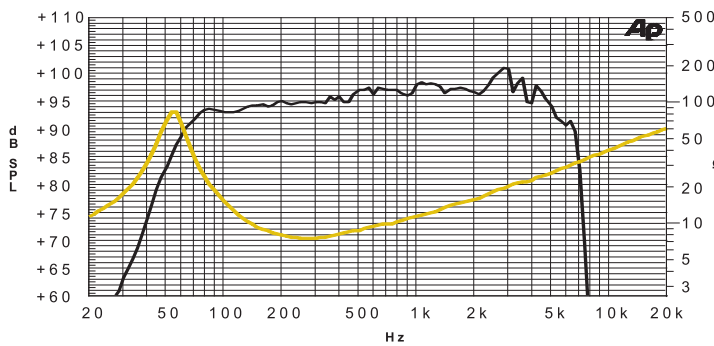
10", 300 watts

LOWS: Tight | **MIDS:** Firm | **HIGHS:** Bright | **OVERALL FEEL:** Punchy

Sound features:

Bassist Description:

Thick and tight.



Punch Sound Ceramic
BP 8/150

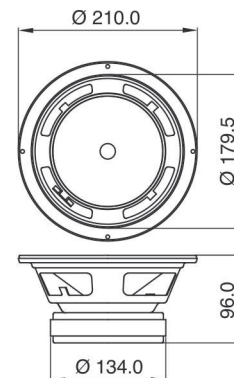
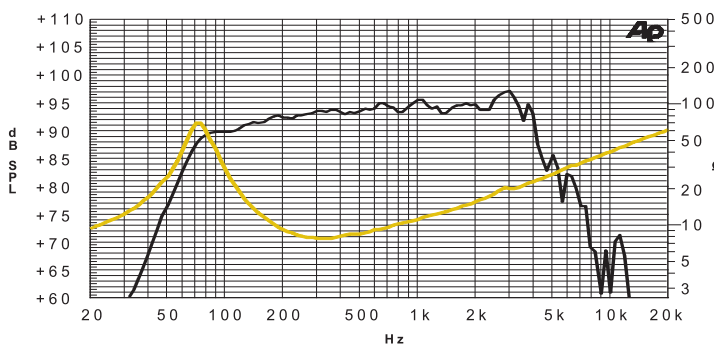
8", 300 watts

LOWS: Tight | **MIDS:** Firm | **HIGHS:** Bright | **OVERALL FEEL:** Punchy

Sound features:

Bassist Description:

Hard driving with a lot of top end clarity.



Smooth Sound Neodymium

BS 15N/350A

15", 700 watts

LOWS:
Fat

MIDS:
Firm

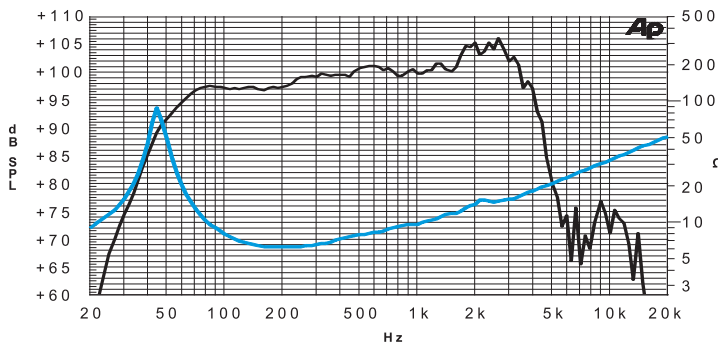
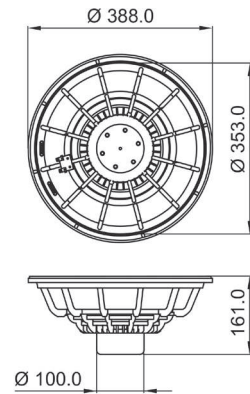
HIGHS:
Subtle

OVERALL FEEL:
Smooth

Sound features:

Bassist Description:

Thick and well balanced.



Smooth Sound Neodymium

BS 12N/250A

12", 500 watts

LOWS:
Fat

MIDS:
Subdued

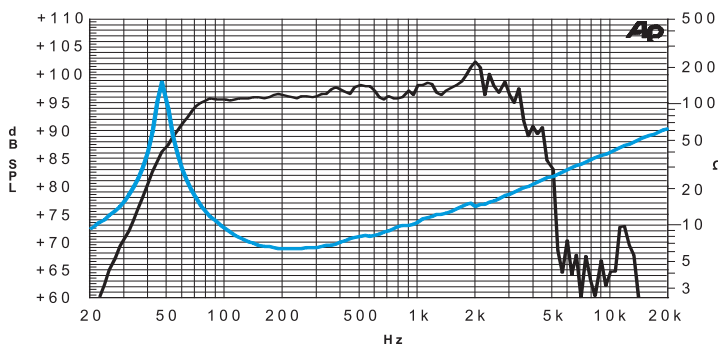
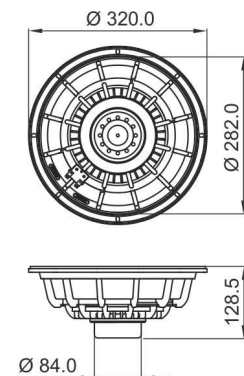
HIGHS:
Subtle

OVERALL FEEL:
Smooth

Sound features:

Bassist Description:

Rich, fat and open.



Smooth Sound Neodymium
BS 10N/250A

10", 500 watts

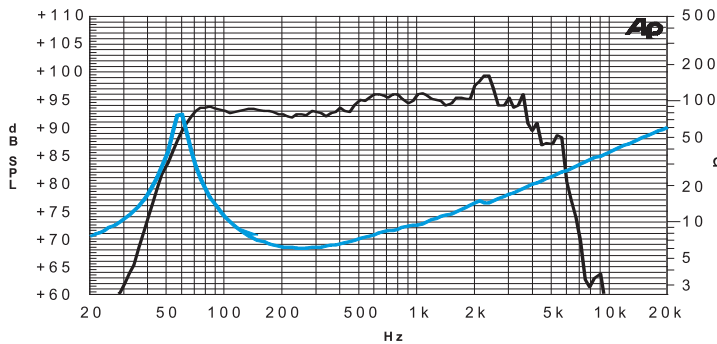
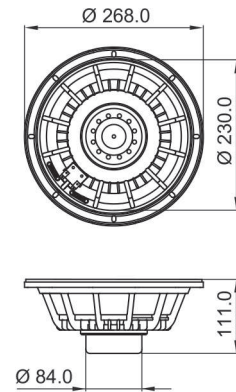


LOWS: Fat | **MIDS:** Subdued | **HIGHS:** Subtle | **OVERALL FEEL:** Smooth

Sound features:

Bassist Description:

Round with lots of warmth.



Smooth Sound Neodymium
BS 8N/250A

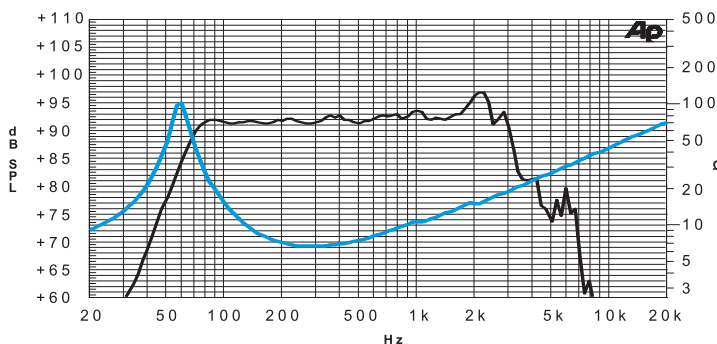
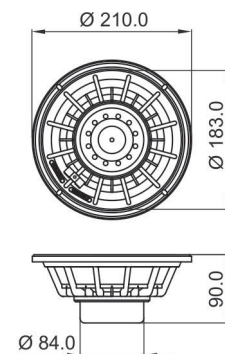
8", 500 watts

LOWS: Fat | **MIDS:** Subdued | **HIGHS:** Subtle | **OVERALL FEEL:** Smooth

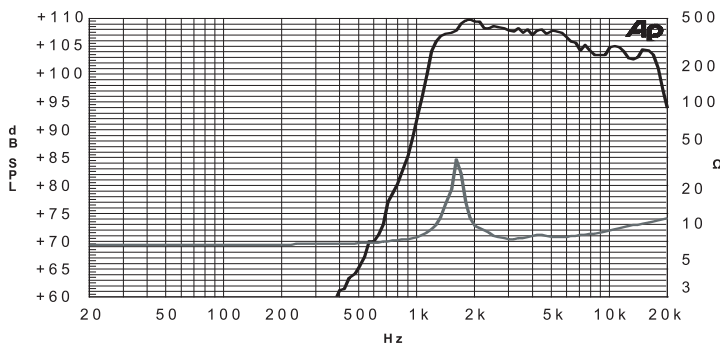
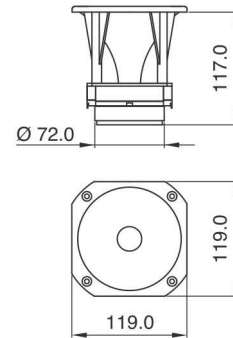
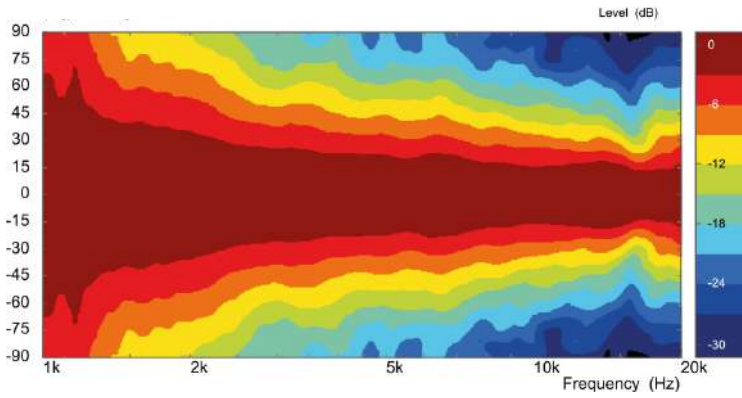
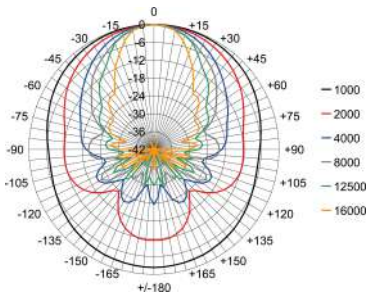
Sound features:

Bassist Description:

Smooth, round and mellow.



- 1" voice coil Kapton former
- Tri-acetate diaphragm
- Ferrite magnet circuit
- 80° x 80° coverage horn
- 105.8 dB sensitivity



Tone Chart

p. 44

Data **DATA SHEETS** sheets

Technical Information

p. 54

Tone Chart

Jensen Guitar

Rated Power

Overall cabinet wattage is equal to the sum of each individual speaker's power rating. For speaker longevity and health, Jensen recommends an overall cabinet wattage equal to about twice the amplifier's output wattage.

Guitarist Description

Descriptions of tone are subjective and do not represent the only possible interpretation of sound heard from each speaker. Ultimately, the tone of a speaker is a product of many factors including the player, the listener, the instrument, the amp, the cabinet, effects and the room in which it is played. Genre of music for each speaker is purposely not mentioned due to the myriad tones generally used in each genre.

P 6 V	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	6,5"	20 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Firm	Bright	Edgy



Guitarist Description: Warm clean tone with sparkling highs. It responds to overdrive distortion with a gritty bite.

C 6 V	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	6,5"	20 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Firm	Smooth	Crunchy



Guitarist Description: Extremely versatile. Warm clean tone with top-end chime. It remains strong and articulate when presented with overdrive distortion.

P 8 R	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	8"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Subdued	Bright	Smooth



Guitarist Description: Warm and clean tone with emphasis on the highs. It responds to overdrive distortion with a warm and bright fuzz lead voice.

C 8 R	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	8"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Aggressive	Bright	Edgy





Guitarist Description: Crystal clear tone with brightly shining highs. It responds to overdrive distortion with a bright fuzz lead voice.


P 10 R	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	10"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Firm	Smooth	Crunchy





Guitarist Description: Rich, warm tone. It accentuates the higher frequencies in sparkling detail.


P 10 R-F	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	10"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Subdued	Subtle	Crunchy
	Guitarist Description: Warm, mellow tone with less bite and brightness than the standard P10R. In overdrive, this one eases into a creamy distortion.			

C 10 R	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	10"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Firm	Bright	Edgy/Crunchy
	Guitarist Description: Colorful bell-like chime which transitions into a gritty response when presented with overdrive distortion.			


P 10 Q	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	10"	40 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Firm	Bright	Crunchy
	Guitarist Description: Warm tone with some bite in the mid frequencies which translates into a fierce response to overdrive distortion.			


C 10 Q	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	10"	35 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Aggressive	Bright	Edgy
	Guitarist Description: Straightforward tone with mid-frequency bite. Presented with overdrive distortion, it can sound edgy.			


C 10/40 FA	Type	Diameter	Rated power	Impedances
	Jet Ceramic	10"	40 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight/Fat	Firm	Smooth	Crunchy
	Guitarist Description: The Falcon 10" delivers a warm, articulate tone; the lower end is fat but controlled, the midrange is firm and detailed, and the high end shines with a sweet, clear response. In overdrive applications, it offers many different shades of crunchy tones, from singing leads to aggressive power chords, ensuring optimum performances in a variety of music styles.			


C 10/40 SB	Type	Diameter	Rated power	Impedances
	Jet Ceramic	10"	40 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Warm	Detailed	Open	Crunchy
	Guitarist Description: Powerful bass range, tight enough for the higher gain applications, yet warm and full.			


Tone Chart


P 10/40 BB	Type	Diameter	Rated power	Impedances
	Jet AlNiCo	10"	40 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Focused	Detailed	Crunchy
	Guitarist Description: Powerful and natural sound, with a solid and firm bass range. The midrange and treble are open and airy, with the typical immediacy of the best 10" speakers. When used with crunch and overdrive tones, it retains a focused, cutting response.			


C 10/50 EL	Type	Diameter	Rated power	Impedances
	Jet Ceramic	10"	50 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Aggressive	Bright	Crunchy
	Guitarist Description: Warm and bold with shimmering highs. Presented with overdrive distortion, it remains strong and articulate.			


P 10/100 BB	Type	Diameter	Rated power	Impedances
	Jet AlNiCo	10"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Aggressive	Bright	Edgy/Crunchy
	Guitarist Description: Fat low end response topped with sparkling highs. It exhibits a bright, dirty grit when presented with overdrive distortion.			


N 10/100 TR	Type	Diameter	Rated power	Impedances
	Jet Neodymium	10"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight/Fat	Aggressive	Bright	Edgy/Crunchy
	Guitarist Description: Tight, warm low end response topped with sparkling highs. It exhibits a bright and well defined bite when presented with overdrive distortion.			


P 12 R	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	12"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Firm	Bright	Edgy/Crunchy
	Guitarist Description: Straightforward, bright tone.			


C 12 R	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	12"	25 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Firm	Bright	Crunchy
	Guitarist Description: Warm low and mid response with smooth/bright highs. When presented with overdrive distortion, it has a smooth crunch with low-end focus.			


C 12 Q	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	12"	35 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Aggressive	Bright	Edgy
	Guitarist Description: Well rounded, straightforward tone with a lot of mid bite and bright highs.			

P 12 Q	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	12"	40 watts	4Ω, 8Ω, 16Ω, 32Ω
	Lows	Mids	Highs	Overdrive
	Loose	Firm	Smooth	Edgy
	Guitarist Description: Very warm, mid-focused bite with clear, bright highs. When presented with overdrive distortion it remains well balanced.			


P 12/40 BB	Type	Diameter	Rated power	Impedances
	Jet AlNiCo	12"	40 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Present	Brilliant	Crunchy
	Guitarist Description: Warm and natural sounding with a remarkably deep and controlled low end, a firm midrange, topped by a transparent, chimey treble range. Capable of crunchy overdriven tones, with a brilliant, detailed response.			

P 12 N	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	12"	50 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Aggressive	Bright	Edgy
	Guitarist Description: Very warm and full bodied tone with powerful mid-bite and sparkling highs. When presented with overdrive distortion, it displays a bright and colorful crunch.			


C 12 N	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	12"	50 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose	Aggressive	Bright	Crunchy
	Guitarist Description: Smooth and straightforward, full bodied tone with high frequency chime. It responds to overdrive distortion with powerful mid bite.			

C 12/50 FA	Type	Diameter	Rated power	Impedances
	Jet Ceramic	12"	50 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose/Fat	Firm	Bright	Crunchy
	Guitarist Description: Warm and full bodied tone with lows that are rich and fat. It responds to overdrive distortion with a colorful crunch.			


Tone Chart

N 12/65 TR Stealth	Type	Diameter	Rated power	Impedances
	Jet Neodymium	12"	65 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Subdued	Smooth	Smooth


Guitarist Description: Warm low end, relaxed mids and rounded highs. It responds to overdrive distortion with easy breakup and punch.

C 12/70 SB	Type	Diameter	Rated power	Impedances
	Jet Ceramic	12"	70 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Robust	Clear	Detailed	Crunchy


Guitarist Description: Directly inspired from the Blackbird 12/40 tone. It retains the delicate, detailed top end, so important for a good clean tone, and a clear, expressive midrange. Its robust, warm low end is a solid foundation for an overall balanced, powerful tone also with higher gain applications.

C 12/70 EL	Type	Diameter	Rated power	Impedances
	Jet Ceramic	12"	70 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Aggressive	Bright	Crunchy

Guitarist Description: Straightforward, powerful tone with fat lows, throaty mids and crisp, bright highs. It responds to overdrive distortion with a commandingly strong and well-defined crunch.

C 12/75 NH	Type	Diameter	Rated power	Impedances
	Jet Ceramic	12"	75 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Firm	Smooth	Smooth


Guitarist Description: Warm, smooth and open with strong, throaty note definition complemented by crisp, clear highs.

N 12/80 TR Stealth	Type	Diameter	Rated power	Impedances
	Jet Neodymium	12"	80 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight / Deep	Firm	Bright	Smooth


Guitarist Description: Well balanced from low to high end with firm mids and sparkling highs. When presented with overdrive distortion, it remains smooth with detailed note definition.

N 12 K	Type	Diameter	Rated power	Impedances
	Vintage Neodymium	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Aggressive	Subtle	Edgy/Crunchy


Guitarist Description: The N 12 K delivers the closest sound, character and dynamic feel to the classic Jensen C12K, with half the weight, thanks to the exclusive Jensen Neodymium magnet design. The N12K delivers a warm, full bodied tone, with remarkable headroom and just the right amount of brilliance and sparkle.

C 12 K	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight	Aggressive	Subtle	Edgy/Crunchy


Guitarist Description: A real workhorse, heavy on the mids with a solid, straightforward tone. Presented with overdrive distortion, it powers through with lows that are bold and heavy.

C 12 K2	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Firm	Subtle	Edgy/Crunchy


Guitarist Description: Fat, smooth and warm. Presented with overdrive distortion, it exhibits a silky, smooth, lead fuzz.

C 12/100 RT	Type	Diameter	Rated power	Impedances
	Jet Ceramic	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat/Deep	Firm/Vocal	Subtle/Extended	Smooth/Crunchy


Guitarist Description: Powerful, smooth and warm. Excellent definition in the upper midrange. When presented with overdrive distortion, it exhibits a silky full-sounding lead tone.

P 12 / 100 BB	Type	Diameter	Rated power	Impedances
	Jet AlNiCo	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Firm	Smooth	Smooth

Guitarist Description: Extremely warm and smooth with a very rich, fat low-end and sparkling highs. It handles overdrive distortion by bringing out colorful detail and holding strong even at maximum crunch.


N 12/100 TR	Type	Diameter	Rated power	Impedances
	Jet Neodymium	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose/Fat	Subdued	Smooth	Edgy


Guitarist Description: Crystal clear clean tones, accented by shimmering highs with each note sounding tight and well defined. When presented with overdrive distortion, the notes remain well defined with lots of bite.


N 12/100 TR Stealth	Type	Diameter	Rated power	Impedances
	Jet Neodymium	12"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Loose/Fat	Subdued	Smooth	Edgy


Guitarist Description: Add a stylish, sleek bell onto the original Tornado Classic 12, to cover the magnet assembly, for an even better looking speaker, for open back cabinets and combo amplifiers: this is the Tornado Stealth 100, with its original, smooth, refined, yet crystal clear tone. One of the most versatile speakers in the family, and one of the most successful.


Tone Chart

N 12 D	Type	Diameter	Rated power	Impedances
	Digital Neodymium	12"	150 watts	4Ω, 8Ω, 16Ω
	Guitarist Description: Extended response on the upper range, to transduce the detail of the digital effects and the harmonic content of a mic'ed guitar cabinet. Directly derived from the traditional guitar speakers, with integrated paper surround, the N12D is able to return the feel, the warmth and the character of a classic guitar amplifier, but also the treble content and the complex harmonics of the overdrive, modulation, delay and reverb effects, as well as the crisp, natural tone of an amplified acoustic guitar.			

C 12 D	Type	Diameter	Rated power	Impedances
	Digital Ceramic	12"	150 watts	4Ω, 8Ω, 16Ω
	Guitarist Description: Extended response on the upper range, to transduce the detail of the digital effects and the harmonic content of a mic'ed guitar cabinet. Directly derived from the traditional guitar speakers, with integrated paper surround, the C12D is able to return the powerful, organic, warm tone and character of a classic guitar amplifier, but also the treble content and the complex harmonics of the overdrive, modulation, delay and reverb effects, as well as the crisp, natural tone of an amplified acoustic guitar.			

P 15 N	Type	Diameter	Rated power	Impedances
	Vintage AlNiCo	15"	50 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Tight/Fat	Aggressive	Bright	Edgy
Guitarist Description: Warm, deep low-end and sparkling highs. It responds to overdrive distortion with a bright edge and lengthy sustain capabilities.				

C 15 N	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	15"	50 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Aggressive	Bright	Smooth
Guitarist Description: Tight low-end and clear, bright highs. It responds to overdrive distortion with a gritty edge.				

C 15 K	Type	Diameter	Rated power	Impedances
	Vintage Ceramic	15"	100 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overdrive
	Fat	Aggressive	Bright	Crunchy
Guitarist Description: Full, boomy low-end with aggressive mids and bright highs. It responds to overdrive distortion with a strong rhythm crunch and fuzz lead voice.				

Tone Chart


Jensen Bass

Rated Power


Overall cabinet wattage is equal to the sum of each individual speaker's power rating. For speaker longevity and health, Jensen recommends an overall cabinet wattage equal to about twice the amplifier's output wattage.

Bassist Description


Descriptions of tone are subjective and do not represent the only possible interpretation of sound heard from each speaker. Ultimately, the tone of a speaker is a product of many factors including the player, the listener, the instrument, the amp, the cabinet, effects and the room in which it is played. Genre of music for each speaker is purposely not mentioned due to the myriad tones generally used in each genre.

BP 8/150	Type	Diameter	Rated power	Impedances
	Bass Ceramic	8"	150 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Tight	Firm	Bright	Punchy


Bassist Description: Hard driving with a lot of top end clarity.

BS 8N/250A	Type	Diameter	Rated power	Impedances
	Bass Neodymium	8"	250 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Fat	Subdued	Subtle	Smooth


Bassist Description: Smooth, round and mellow.

BP 10/150	Type	Diameter	Rated power	Impedances
	Bass Ceramic	10"	150 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Tight	Firm	Bright	Punchy


Bassist Description: Thick and tight.

BS 10N/250A	Type	Diameter	Rated power	Impedances
	Bass Neodymium	10"	250 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Fat	Subdued	Subtle	Smooth


Bassist Description: Round with lots of warmth.

BP 12/250	Type	Diameter	Rated power	Impedances
	Bass Ceramic	12"	250 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Tight	Firm	Bright	Punchy


Bassist Description: Thick and defined.

BS 12N/250A	Type	Diameter	Rated power	Impedances
	Bass Neodymium	12"	250 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Fat	Subdued	Subtle	Smooth

Bassist Description: Rich, fat and open.

BP 15/250	Type	Diameter	Rated power	Impedances
	Bass Ceramic	15"	250 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Fat	Firm	Bright	Punchy

Bassist Description: Boomy with a well defined top end.

BS 15N/350A	Type	Diameter	Rated power	Impedances
	Bass Neodymium	15"	350 watts	4Ω, 8Ω, 16Ω
	Lows	Mids	Highs	Overall Feel
	Fat	Firm	Subtle	Smooth

Bassist Description: Thick and well balanced.

LOWS

Loose: the lows are not rigid and tend to yield the spotlight to the mids and highs.

Tight: the lows are more rigid and can upstage the mids and highs.

Fat: the lows are rich and full. While not necessarily rigid they do have the ability to overshadow the mids and highs.

MIDS

Subdued: the mids are mellow and tend to yield the spotlight to the lows and highs.

Firm: the mids are rigid and full. They are neither yielding nor overpowering.

Aggressive: the mids are rigid and biting. They can upstage the lows and highs.

HIGHS

Subtle: the highs keep to the background and yield the spotlight to the lows and mids.

Smooth: the highs are full and well defined.

Bright: the highs are intensely vibrant. They can upstage the lows and mids.

OVERDRIVE (This is how the speaker responds to an overdriven signal from the amplifier and not the speaker itself being overdriven)

Edgy: animated with turbulence

Crunchy: slightly jagged with bite

Smooth: tight and controlled

OVERALL FEEL

Punchy: powerful and warm, with a straightforward feel

Smooth: full bodied, fast and clear, with excellent definition

Technical Information

Jensen Guitar	Production Code	Nominal Diameter	Nominal Impedance	Rated Power AES	Basket Material	Voice Coil Diameter
P 15 N	ZJ07080	385 mm (15")	8 Ω	50 W	Steel	38 mm (1.5")
P 12 N	ZJ06040	307 mm (12")	8 Ω	50 W	Steel	38 mm (1.5")
P 12 Q	ZJ06160	306 mm (12")	8 Ω	40 W	Steel	32 mm (1.25")
P 12 R	ZJ06080	306 mm (12")	8 Ω	25 W	Steel	25 mm (1")
P 10 Q	ZJ05110	259 mm (10")	8 Ω	40 W	Steel	32 mm (1.25")
P 10 R	ZJ05051	259 mm (10")	8 Ω	25 W	Steel	25 mm (1")
P 10 R-F	ZJ05046	259 mm (10")	8 Ω	25 W	Steel	25 mm (1")
P 8 R	ZJ04040	207 mm (8")	8 Ω	25 W	Steel	25 mm (1")
P 6 V	ZJ03040	165 mm (6,5")	8 Ω	20 W	Steel	25 mm (1")
C 15 K	ZJ07110	385 mm (15")	8 Ω	100 W	Steel	50 mm (2")
C 15 N	ZJ07050	385 mm (15")	8 Ω	50 W	Steel	38 mm (1.5")
C 12 K	ZJ06021	307 mm (12")	8 Ω	100 W	Steel	50 mm (2")
C 12 K2	ZJ06320	307 mm (12")	8 Ω	100 W	Steel	50 mm (2")
C 12 N	ZJ06141	307 mm (12")	8 Ω	50 W	Steel	38 mm (1.5")
C 12 Q	ZJ06180	306 mm (12")	8 Ω	35 W	Steel	32 mm (1.25")
C 12 R	ZJ06090	306 mm (12")	8 Ω	25 W	Steel	25 mm (1")
C 10 Q	ZJ05060	259 mm (10")	8 Ω	35 W	Steel	32 mm (1.25")
C 10 R	ZJ05070	259 mm (10")	8 Ω	25 W	Steel	25 mm (1")
C 8 R	ZJ04020	207 mm (8")	8 Ω	25 W	Steel	25 mm (1")
C 6 V	ZJ03050	165 mm (6,5")	8 Ω	20 W	Steel	25 mm (1")
N 12 K	ZJ06017	307 MM (12")	8 Ω	100 W	Steel	50 mm (2")
Tornado 12 N 12/100 TR	ZJ06355	307 mm (12")	8 Ω	100 W	Steel	50 mm (2")
Tornado 10 N 10/100 TR	ZJ05360	259 mm (10")	8 Ω	100 W	Steel	50 mm (2")
Tornado Stealth 100 N 12/100TR-ST	ZJ06312	307 mm (12")	8 Ω	100 W	Steel	50 mm (2")
Tornado Stealth 80 N 12/80 TR-ST	ZJ06310	307 mm (12")	8 Ω	80 W	Steel	50 mm (2")
Tornado Stealth 65 N 12/65 TR-ST	ZJ06300	307 mm (12")	8 Ω	65 W	Steel	44 mm (2")
Silverbird 12 C 12/70 SB	ZJ06280	307 mm (12")	8 Ω	70 W	Steel	38 mm (1.5")
Silverbird 10 C 10/40 SB	ZJ05370	259 mm (10")	8 Ω	40 W	Steel	38 mm (1.5")
Blackbird 12 P 12/40 BB	ZJ06055	307 mm (12")	8 Ω	40 W	Steel	32 mm (1.5")
Blackbird 10 P 10/40 BB	ZJ05122	259 mm (10")	8 Ω	40 W	Steel	32 mm (1.5")
Blackbird 12 P 12/100 BB	ZJ06060	307 mm (12")	8 Ω	100 W	Steel	50 mm (2")
Blackbird 10 P 10/100 BB	ZJ05400	259 mm (10")	8 Ω	100 W	Steel	50 mm (2")
Raptor 12 C 12/100 RT	ZJ06341	307 mm (12")	8 Ω	100 W	Steel	50 mm (2")
Nighthawk 12 C 12/75 NH	ZJ06390	307 mm (12")	8 Ω	75 W	Steel	44 mm (1.75")
Electric Lightning 12 C 12/70 EL	ZJ06380	307 mm (12")	8 Ω	70 W	Steel	50 mm (2")
Electric Lightning 10 C 10/50 EL	ZJ05420	259 mm (10")	8 Ω	50 W	Steel	38 mm (1.5")
Falcon 12 C 12/50 FA	ZJ06400	307 mm (12")	8 Ω	50 W	Steel	38 mm (1.5")
N 12 D	ZJ06374	307 mm (12")	8 Ω	150 W	Steel	50 mm (2")
C 12 D	ZJ06376	307 mm (12")	8 Ω	150 W	Steel	50 mm (2")

	Voice Coil Former Material	Magnet	Re (DC Resistance)	Magnet weight	Resonance frequency	Sensitivity @ 1W/1m	Surrond Treatment	Net weight
	Kapton	AlNiCo	6.2 Ω	826 g	77.9 Hz	96.1 dB	No	3.9 Kg
	Kapton	AlNiCo	6.0 Ω	826 g	90.0 Hz	97.5 dB	No	3.1 Kg
	Nomex	AlNiCo	5.6 Ω	300 g	90.5 Hz	94.4 dB	No	1.87 Kg
	Kapton	AlNiCo	6.0 Ω	200 g	80.0 Hz	93.7 dB	No	1.59 Kg
	Nomex	AlNiCo	5.6 Ω	300 g	89.9 Hz	93.8 dB	No	1.66 Kg
	Kapton	AlNiCo	6.7 Ω	200 g	97.0 Hz	94.2 dB	No	1.4 Kg
	Kapton	AlNiCo	6.96 Ω	200 g	87.3 Hz	92.5 dB	No	1.4 Kg
	Epotex	AlNiCo	6.6 Ω	200 g	135.0 Hz	91.8 dB	Yes	1.2 Kg
	Epotex	AlNiCo	6.6 Ω	118 g	110.0 Hz	91.9 dB	Yes	0.71 Kg
	Kapton	Ceramic	6.9 Ω	1450 g	71.0 Hz	97.9 dB	Yes	5.3 Kg
	Kapton	Ceramic	6.2 Ω	810 g	73.0 Hz	96.3 dB	Yes	4.2 Kg
	Kapton	Ceramic	6.5 Ω	1450 g	106.2 Hz	99.0 dB	Yes	4.31 Kg
	Nomex	Ceramic	6.7 Ω	1450 g	79.0 Hz	99.2 dB	Yes	4.3 Kg
	Kapton	Ceramic	6.0 Ω	810 g	113.0 Hz	97.7 dB	No	3.27 Kg
	Epotex	Ceramic	6.0 Ω	426 g	87.5 Hz	93.2 dB	No	1.85 Kg
	Kapton	Ceramic	6.7 Ω	270 g	88.3 Hz	92.3 dB	No	1.38 Kg
	Epotex	Ceramic	6.0 Ω	426 g	96.0 Hz	94.7 dB	No	1.64 Kg
	Kapton	Ceramic	6.7 Ω	270 g	96.6 Hz	93.6 dB	Yes	1.2 Kg
	Kapton	Ceramic	6.7 Ω	270 g	126.0 Hz	93.0 dB	Yes	0.99 Kg
	Epotex	Ceramic	6.6 Ω	245 g	106.3 Hz	91.3 dB	Yes	0.72 Kg
	Kapton	Neodymium	6.7 Ω	160 g	116.0 Hz	97.2 dB	Yes	2.0 Kg
	Nomex	Neodymium	6.8 Ω	200 g	72.0 Hz	98.5 dB	Yes	2.0 Kg
	Kapton	Neodymium	6.0 Ω	200 g	82.4 Hz	97.0 dB	Yes	1.75 Kg
	Nomex	Neodymium	6.81 Ω	200 g	72.0 Hz	98.5 dB	Yes	2.2 Kg
	Kapton	Neodymium	6.38 Ω	246 g	71.7 Hz	98.6 dB	Yes	2.2 Kg
	Fiberglass	Neodymium	6.16 Ω	160 g	83.2 Hz	97.0 dB	Yes	2.2 Kg
	Kapton	Ceramic	6.0 Ω	810 g	87.0 Hz	97.0 dB	Yes	3.3 Kg
	Kapton	Ceramic	6.0 Ω	640 g	94.0 Hz	96.5 dB	Yes	2.2 Kg
	Kapton	AlNiCo	5.9 Ω	360 g	93.2 Hz	96.0 dB	Yes	2.0 Kg
	Kapton	AlNiCo	5.6 Ω	360 g	91.8 Hz	96.4 dB	Yes	1.7 Kg
	Kapton	AlNiCo	6.0 Ω	826 g	95.2 Hz	97.7 dB	Yes	3.23 Kg
	Kapton	AlNiCo	6.0 Ω	826 g	112.1 Hz	97.0 dB	Yes	3.0 Kg
	Nomex	Ferrite	6.72 Ω	1450 g	77.0 Hz	99.4 dB	Yes	4.5 Kg
	Fiberglass	Ceramic	6.0 Ω	1450 g	83.0 Hz	98.8 dB	Yes	4.25 Kg
	Kapton	Ceramic	6.3 Ω	1450 g	95.0 Hz	99.0 dB	Yes	4.5 Kg
	Kapton	Ceramic	6.0 Ω	810 g	100.3 Hz	97.1 dB	Yes	3.0 Kg
	Kapton	Ceramic	5.2 Ω	810 g	107.0 Hz	98.7 dB	Yes	3.3 Kg
	Aluminium	Neodymium	5.1 Ω	206 g	63.0 Hz	99.1 dB	Yes	2.4 Kg
	Aluminium	Ceramic	5.2 Ω	1450 g	62.5 Hz	99.1 dB	Yes	4.6 Kg

Technical Information

Jensen Bass	BP 15/250	BS 15N/350A	BP 12/250	BS 12N/250A
Sound	Punch	Smooth	Punch	Smooth
Production Code	ZJ07820	ZJ07810	ZJ06820	ZJ06810
Nominal Diameter	385 mm (15")	388 mm (15")	318 mm (12")	320 mm (12")
Nominal Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Rated Power AES	250 W	350 W	250 W	250 W
Continuos Program Power	500 W	700 W	500 W	500 W
Sensitivity @ 1W/1m	96.7 dB	98.7 dB	97.5 dB	96.4 dB
Voice Coil Diameter	65 mm (2.5")	75 mm (3")	65 mm (2.5")	65 mm (2.5")
Voice Coil Winding Dept	13 mm	21 mm	12 mm	18 mm
Magnetic Gap Dept	8 mm	10 mm	8 mm	8 mm
Flux Density	1.15 T	1.17 T	1.15 T	1.14 T
Magnet weight	1450 g	360 g	1450 g	220 g
Net weight	5.4 Kg	4.0 Kg	4.8 Kg	2.5 Kg
Re	6.6 Ω	5.1 Ω	6.2 Ω	5.5 Ω
Fs	47 Hz	45 Hz	50.2 Hz	47 Hz
Qms	4,26	7,64	5,14	12,58
Qes	0,57	0,49	0,34	0,44
Qts	0,51	0,46	0,32	0,43
Mms	69.7 g	80.9 g	46.6 g	56.7 g
Cms	164 $\mu\text{m/N}$	158 $\mu\text{m/N}$	216 $\mu\text{m/N}$	200 $\mu\text{m/N}$
Bxl	15.31 Tm	15.23 Tm	16.4 Tm	14.37 Tm
Vas	133.1 l	163.1 l	73.5 l	81.3 l
Sd	754.8 cm ²	855.3 cm ²	490.9 cm ²	530.9 cm ²
X max	± 3.4 mm	± 5.5 mm	± 3.1 mm	± 5.5 mm
X var	± 7 mm	± 11.5 mm	± 5.5 mm	± 8.9 mm
η_0	2,30%	2,81%	2,64%	1,81%
Le	1.07 mH	0.78 mH	0.94 mH	1.0 mH
Recommended Crossover Frequency				
Frequency Range	45-3000 Hz	42-3000 Hz	50-3500 Hz	45-3000 Hz
Magnet	Ceramic	Neodymium	Ceramic	Neodymium
Basket Material	Steel	Aluminium Die Cast	Steel	Aluminium Die Cast
Voice Coil Winding Material	Copper	Aluminium	Copper	Copper
Voice Coil Former Material	Aluminium	Fiberglass	Kapton	Fiberglass
Cone material	Paper	Paper	Paper	Paper
Cone Surface Waterproof Treatment	No	Yes	No	Yes
Surround Material	Treated Cloth	Treated Cloth	Treated Cloth	Treated Cloth
Dust Dome Material	Solid Paper	Solid Paper	Solid Paper	Solid Paper
Diaphragm				
Ferrofluid in Air Gap				
Horn Material				
Spare Part Code				

	BP 10/150	BS 10N/250A	BP 8/150	BS 8N/250A	V 1/1
	Punch	Smooth	Punch	Smooth	
	ZJ05820	ZJ05810	ZJ04820	ZJ04810	ZJ09010
	266 mm (10")	268 mm (10")	209 mm (8")	210 mm (8")	119x119
	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω
	150 W	250 W	150 W	250 W	16 W
	300 W	500 W	300 W	500W	32 W
	96.0 dB	95.0 dB	95.0 dB	92.6 dB	105.8 dB
	50 mm (2")	65 mm (2.5")	50 mm (2")	65 mm (2.5")	25 mm (1")
	11 mm	18 mm	11 mm	18 mm	1.7 mm
	8 mm	8 mm	8 mm	8 mm	2 mm
	1.20 T	1.14 T	1.1 T	1.04 T	1.56 T
	1100 g	220 g	1100 g	220 g	245 g
	3.5 Kg	2.2 Kg	3.1 Kg	1.8 Kg	0.6 Kg
	6.1 Ω	5.1 Ω	6.1 Ω	5.5 Ω	6.3 Ω
	55 Hz	58 Hz	74.7 Hz	59 Hz	1.6 kHz
	5,93	6,45	3,61	6,72	
	0,35	0,47	0,36	0,39	
	0,33	0,43	0,33	0,37	
	30.7 g	41.9 g	22.4 g	32 g	
	276 μm/N	180 μm/N	203 μm/N	230 μm/N	
	13.48 Tm	12.94 Tm	13.29 Tm	12,85 Tm	
	42.6 l	30.9 l	13.1 l	14,9 l	
	330.1 cm ²	346.3 cm ²	213.8 cm ²	213.8 cm ²	
	± 2.4 mm	± 5 mm	± 3.1 mm	± 5 mm	
	± 3.5 mm	± 7.4 mm	± 6.6 mm	± 8 mm	
	1,87%	1,22%	1,45%	0,74%	
	0.85 mH	0.84 mH	0.71 mH	0.8 mH	
					2.5 kHz
	55-3500 Hz	50-3000 Hz	65-3500 Hz	55-3000 Hz	
	Ceramic	Neodymium	Ceramic	Neodymium	Ceramic
	Steel	Aluminium Die Cast	Steel	Aluminium Die Cast	
	Copper	Copper	Copper	Copper	Copper
	Kapton	Fiberglass	Kapton	Fiberglass	Kapton
	Paper	Paper	Paper	Paper	
	No	Yes	No	Yes	
	Treated Cloth	Treated Cloth	Treated Cloth	Treated Cloth	
	Solid Paper	Solid Paper	Solid Paper	Solid Paper	
					Tri-acetate film
					No
					Nylon Fiberglass Doped
					Z009374

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