Live on stage or in the studio, guitarists know that their speakers play a vital role, not just in giving voice to their music but also in the way they combine with pick, fingers, instrument, amplifier and effects to create a specific sonic signature for each and every player. And it’s the speakers that enable guitarists to ‘feel’ their music, responding in a particular way to every nuance of the performance in a unique relationship between musician and equipment.

Each Celestion guitar speaker is different, the result of an R&D process that combines advanced research and measuring techniques with decades of guitar loudspeaker know-how. Continuing the pursuit of exquisite guitar tone, 2018 sees the launch of two groundbreaking new speakers.

The new 12” Neo 250 Copperback is rated at 250 Watts and sacrifices nothing in rich, musical tone to achieve extraordinarily high power handling. We’re particularly excited about its touch sensitivity and the way it shifts easily from incredible clean to high gain sounds with just a tweak of the volume knob. And the new F12-X200 provides users of amp modellers and Celestion’s renowned Impulse Responses with their own, dedicated full-range, live-response loudspeaker, a real backline guitar speaker for stage and studio use.

Thanks to you, Celestion has been the voice of rock & roll since the very start, and the story continues.
Meet the players who turn speakers into legends.
CELESTION BLUE

This classic guitar speaker actually started life as a radio speaker that was modified specifically for use in electric guitar amplifiers. In its original incarnation as the G12 T50 it appeared in several colour variations but it was the Blue version, fitted as standard into Vox AC30 amps, that secured its place in guitar tone history.

The Blue found favour with notable guitarists like Brian May, due to its glorious dampened attack, warm lows, mellow upper-mids and brilliant chime top-end. When coupled with a suitable amplifier it eschews rich definition and develops beautiful musical compression when pushed. According to some guitarists worldwide, the Blue is the benchmark for guitar speaker perfection.

CELESTION CREAM

With a 60-watt power rating, the Celestion Cream is purpose-built for vintage tones, whatever kind of amp you use. By applying new technologies and manufacturing methods developed during the creation of our Creamback speakers, we’ve been able to deliver a higher power rating while preserving the very essence of an alnico guitar speaker.

Delivering a glorious, laid-back attack, the Cream exudes warm lows and a brilliant bell-like chime. It has smooth and organic mids, further characterised by a fine-grained detail that adds a high-definition quality to the vocal range.

The Cream has been specially created to bring alnico class to all kinds of amps from 1-watt to 90-watts. It conveys a satisfying warmth, detailed expressiveness and exceptional musicality over all power levels.

CELESTION GOLD

Building on the platform of the Blue, the Gold is a higher-powered, alnico-magnet speaker that recreates the unmistakable iconic signature of a well-played-in original. Over time, the high frequencies of a Blue soften and become less chatty, as the cone becomes more flexible – a much sought after characteristic that the Gold exhibits straight out of the box. Also present in the Gold sound from the outset is an added warmth and complexity in the midrange, which coupled with the classic alnico qualities of a laid-back attack, rounded low end and brilliant bell-like highs, deliver huge rhythm ruminations and saturated vocal lead tones.

The Gold is a wonderfully expressive and revealing loudspeaker, affording guitarists an unprecedented degree of dynamic control. It has already become a favourite for many working players worldwide whether picking and bending with Brad Paisley, rocking with Carl Verheyen of Supertramp or grinding with Bill Keller of Mastodon.

CELESTION G10 GOLD

Following the great reviews we received for the Gold 30”, we realised there was also a need for a speaker that conveyed the alnico mellowness of the original Blue, with the speed and response of a 10” driver.

The G10 Gold is the ultimate 10” speaker, blending unmistakable alnico class with a rich low-end, creamy mid-range and vintage crimp top-end. Springy, warm, revealing and highly expressive, it can be used singly or in pairs to add a classy sheen to any amp, or in a 4x10 configuration for higher volume depth, warmth and shimmer, with less of the boom associated with 4x12 cabinets.

From the 60s to the present day, the unmistakable, musical sound of the alnico magnet guitar speaker, as pioneered by Celestion, continues to shape popular music. Back in the early days of rock & roll, our friends at Vox and Marshall identified the need for a dedicated guitar speaker to handle increasingly loud and raucous performances. In response, Celestion designed the G12 T50 – the now famous ‘Blue’. The rigid construction and alnico magnets made them ideal for a new generation of electric guitarists, experimenting increasingly with volume and overdrive.

Now the Blue has inspired a full range of speakers designed to deliver the much-loved Celestion alnico character in speakers with greater power handling capability, for use in contemporary amplifier designs.

**GENERAL SPECIFICATIONS**

- **Nominal diameter:** 12”, 305mm
- **Power rating:** 90W
- **Nominal impedance:** 80 & 160Ω
- **Sensitivity:** 100dB
- **Choice type:** Pressed steel
- **Voice coil diameter:** 1.75”, 44.5mm
- **Magnet type:** Alnico
- **Frequency range:** 75-5000Hz
- **Resonance frequency, Fs:** 70Hz
- **DC resistance, Re:** 6.7Ω & 13.5Ω

**MOUNTING INFORMATION**

- **Diameter:** 12”, 305mm
- **Overall depth:** 4.5”, 115mm
- **Nominal diameter:** 5.0”, 127mm
- **Cut-out diameter:** 11.7”, 297mm
- **Mounting slot PCD:** 11.7”, 297mm
- **Unit weight:** 9.3lb, 4.2kg

**SPL (dB)**

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<th>75Hz</th>
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<th>90Hz</th>
<th>100Hz</th>
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<td>SPL(dB)</td>
<td>110</td>
<td>110</td>
<td>90</td>
<td>70</td>
</tr>
</tbody>
</table>

**FREQUENCY RESPONSE**

- **SPL(dB)**
- **Frequency (Hz)**
- **Resonance frequency, Fs:** 70Hz
- **DC resistance, Re:** 6.7Ω & 13.5Ω

**GENERAL SPECIFICATIONS**

- **Nominal diameter:** 12”, 305mm
- **Power rating:** 30W
- **Nominal impedance:** 80 & 150Ω
- **Sensitivity:** 100dB
- **Choice type:** Pressed steel
- **Voice coil diameter:** 1.75”, 44.5mm
- **Voice coil material:** Round copper
- **Magnet type:** Alnico
- **Frequency range:** 75-5000Hz
- **Resonance frequency, Fs:** 70Hz
- **DC resistance, Re:** 6.6Ω & 13.5Ω

**MOUNTING INFORMATION**

- **Diameter:** 12”, 305mm
- **Overall depth:** 4.5”, 115mm
- **Nominal diameter:** 5.0”, 127mm
- **Cut-out diameter:** 11.7”, 297mm
- **Mounting slot PCD:** 11.7”, 297mm
- **Unit weight:** 9.3lb, 4.2kg

**GENERAL SPECIFICATIONS**

- **Nominal diameter:** 12”, 305mm
- **Power rating:** 50W
- **Nominal impedance:** 80 & 160Ω
- **Sensitivity:** 100dB
- **Choice type:** Pressed steel
- **Voice coil diameter:** 1.75”, 44.5mm
- **Voice coil material:** Round copper
- **Magnet type:** Alnico
- **Frequency range:** 75-5000Hz
- **Resonance frequency, Fs:** 70Hz
- **DC resistance, Re:** 6.6Ω & 13.5Ω

**MOUNTING INFORMATION**

- **Diameter:** 12”, 305mm
- **Overall depth:** 4.5”, 115mm
- **Nominal diameter:** 5.0”, 127mm
- **Cut-out diameter:** 11.7”, 297mm
- **Mounting slot PCD:** 11.7”, 297mm
- **Unit weight:** 9.3lb, 4.2kg

**GENERAL SPECIFICATIONS**

- **Nominal diameter:** 12”, 305mm
- **Power rating:** 120W
- **Nominal impedance:** 80 & 160Ω
- **Sensitivity:** 100dB
- **Choice type:** Pressed steel
- **Voice coil diameter:** 2.1”, 53mm
- **Voice coil material:** Round copper
- **Magnet type:** Alnico
- **Frequency range:** 80-6000Hz
- **Resonance frequency, Fs:** 80Hz
- **DC resistance, Re:** 8Ω

**MOUNTING INFORMATION**

- **Diameter:** 10.1”, 256mm
- **Overall depth:** 5.3”, 135mm
- **Nominal diameter:** 9.0”, 229mm
- **Cut-out diameter:** 6.6”, 168mm
- **Mounting slot PCD:** 9.6”, 244mm
- **Unit weight:** 5.9lb, 2.7kg

**GENERAL SPECIFICATIONS**

- **Nominal diameter:** 12”, 305mm
- **Power rating:** 15W
- **Nominal impedance:** 80 & 160Ω
- **Sensitivity:** 100dB
- **Choice type:** Pressed steel
- **Voice coil diameter:** 1.75”, 44.5mm
- **Voice coil material:** Round copper
- **Magnet type:** Alnico
- **Frequency range:** 75-5000Hz
- **Resonance frequency, Fs:** 70Hz
- **DC resistance, Re:** 6.6Ω & 13.5Ω

**MOUNTING INFORMATION**

- **Diameter:** 12”, 305mm
- **Overall depth:** 4.5”, 115mm
- **Nominal diameter:** 5.0”, 127mm
- **Cut-out diameter:** 11.7”, 297mm
- **Mounting slot PCD:** 11.7”, 297mm
- **Unit weight:** 9.3lb, 4.2kg
G12M GREENBACK

The G12M Greenback has evolved over the decades but still retains its essential, sought-after tone. Angus Young has been a Greenback devotee since the early days of AC/DC. This model is armed with additional brood mid-range attack, and restrained top-end to give a forward, punchy attitude to chords and a searing lead tone without fuzz.

With its well-controlled low-end it can be used singly in low-powered amps, or in multiples for high-power rock heads. It’s an ideal speaker to bring drive and definition to modern high-gain amps.

From Clapton’s defining ‘Bluesbreaker’ tone on All Your Love, to the sonic bombard of Hendrix’s Star Spangled Banner at Woodstock, as the blues gave birth to hard rock in the late-sixties, Celestion Greenbacks were the right tone at the right time.

Offering a higher power rating than alnico speakers, the original G12M with its ceramic magnet and responsive feel was a perfect complement to players who were driving their amps harder and harder. With a beautiful break-up as the natural sound collapsed into a glorious mid-range crunch with sweet low-end compression, the G12M unlocked a new wave of saturated guitar tones that defined rock music for years to come.

While G12Ms found themselves in the majority of amps from 1966, players seeking even more volume sought out the G12H ‘heavy duty’ model, with its increased power rating and sensitivity delivering a noticeable jump in volume and a tighter feel lending itself to harder rock styles. Today, the Greenback ‘sound’ remains the benchmark by which all rock guitar speakers are measured.

G12H ANNIVERSARY

Originally re-issued over 20 years ago, the G12H remains hugely popular with players who want to deliver authentic hard rock swagger.

With a strong, aggressive low-end and powerful low-mids, the G12H penetrates any mix with an attacking upper mid-range and tonal top-end. Used singly or in multiples, it provides serious attitude to soft amp tones, easily cutting through loud stage levels for chord work, and imparting a hard edge to single notes.

A favourite in the ‘boutique’ amplifier market, the G12H is often used on its own or paired with a Celestion Blue or Gold for a full-bodied sound that adds ceramic attitude to the chime of an alnico speaker.

G10 GREENBACK

We set out to recapture the legendary sound of Celestion’s 1970s, 10", when developing the G10 Greenback. What we created was a 10" speaker with a surprisingly meaty tone.

Low in output but with the weightly low-end balance of a 12", the G10 Greenback features a complex, creamy mid-range and smooth, vintage top-end.

In small combos this speaker adds real class, and when combined in a 4x10 gives rise to a raunchy, full-bodied tone, rich in low-end thump.


g12M Greenback

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In small combos this speaker adds real class, and when combined in a 4x10 gives rise to a raunchy, full-bodied tone, rich in low-end thump.
NEO CREAMBACK

The Neo Creamback is every ounce a classic Celestion, delivering all the magical tone you’d get from a traditional Creamback. The difference is, it’s built with a neodymium magnet, making this speaker around half the weight of a traditional ceramic magnet speaker.

Celestion’s engineers have developed a new and innovative way to best harness the mighty forces of the neodymium magnet, enabling us to create a guitar speaker that can deliver authentic Creamback tone with ease, while preserving the benefit of neodymium’s much lighter weight.

You still get the low end punch, warm, vocal midrange and sweet refined highs the Creamback is famous for; push it hard and enjoy the ‘race-car growl’ that sets pulses racing. But pick up a cab that’s loaded with Neo Creamback, delivering authentic vintage Celestion tone while weighing in at less than 2kg (around 4lbs).

G12M-65 CREAMBACK

The G12M Creamback is perhaps the definitive vintage Celestion ceramic magnet guitar speaker. Developed in the mid-sixties, it was quickly adopted by players like Hendrix, Clapton, Beck and Page, who typified the louder and more aggressive blues rock playing styles that came to characterise that era.

The G12M-65 Creamback produces the familiar woody G12M tone, but handles greater power making it ideally suited for today’s amps, when a vintage tone is desired. The increased power handling brings with it low end grunt complementing the warm and vocal mid range, crunchy upper-mids and sweet, refined highs.

G12H-75 CREAMBACK

The G12H was originally created by fixing an ‘H’ type (heavy) magnet to the body of a G12M guitar speaker. Result: a speaker with more power and a different tonal balance. So we added an ‘H’ magnet to the G12M-65 Creamback, to create a speaker that delivers the sonic signature of a G12H combined with Creamback levels of power handling.

The result is the G12H-75 Creamback. It provides 75-watts of power handling with ease and has unmistakable G12H tone, with a tighter low end than the G12M-65 Creamback and a punchier, more dynamic high end. The H magnet brings additional focus, body and grit to the Creamback tone. It thickens single notes, resulting in a highly articulate, vocal character. The G12H-75 Creamback offers exceptional performance when used for lead guitar and sounds massive loaded into a 4x12 cab!
As the blues-infused 70s gave way to the harder rocking 80s, the only thing higher than the guitar amp gain was the hairstyles. At that time, Celestion was developing speakers capable of articulating the complex, overdriven sounds and blistering lead lines of the time, with the capability to handle the increasingly high amplifier outputs.

Often used in 4x12 cabinets, speakers like the Vintage 30 and G12T-75 quickly came to dominate the backlines from the clubs on Sunset Strip to the ‘Monsters of Rock’ Festival, giving voice to the solos that turned guitarists like Slash and Yngwie Malmsteen into legends.

**VINTAGE 30**

Back in 1986, we set out to develop a modern speaker, capable of handling much more power and overdrive. To achieve this, we coupled our ‘H’ magnet (the closest in performance to alnico) with a new cone and voice coil employing contemporary materials.

Our most revealing speaker, the Vintage 30 features enormously detailed and complex overtones, a warm low-end and a beautifully detailed top-end. Used singly to reveal the complexities in hand-wired boutique amps, or in quartets for vocal mid-range and a famously rich overall depth, it is a natural evolution of the G12-80.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12" (305mm)
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 97dB
- Frequency range: 70-5000Hz
- Resonance frequency, Fs: 440Hz
- DC resistance, Re: 6.9Ω & 11.8Ω

**MOUNTING INFORMATION**
- Diameter: 12.2", 309mm
- Overall depth: 5.3", 135mm
- Magnet structure dia: 6.1", 156mm
- Cut-out diameter: 11.1", 283mm
- Mounting slot dim: 0.31", 7.9mm
- Number of mounting slots: 4
- Mounting slot PCD: 11.7", 297mm
- Unit weight: 10.4lb, 4.7kg
- Magnet weight: 1.75", 44.5mm
- Voice coil diameter: 1.75", 44.5mm
- Voice coil material: Round copper
- Voice coil former: Ceramic
- Voice coil former: 0.31", 7.9mm Ø
- DC resistance, Re: 7.30 & 12.90

**G12-65**

Originally created in the late 70s using more modern materials and techniques for a higher power handling, the G12-65 is widely regarded as one of the best speakers ever produced for use in a 4x12 cabinet.

With its fast attack and tightly controlled low-end, the G12-65 had become a firm favourite with hard rock players, by the early 80s. The precisely tuned mid-range and crisp defined top-end contribute to an aggressive crunch sound that punches through the mix while the mid-range warmth and detail give weight and depth to single notes.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12" (305mm)
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 98dB
- Frequency range: 70-5000Hz
- Resonance frequency, Fs: 505Hz
- DC resistance, Re: 6.0Ω & 11.6Ω

**CLASSIC LEAD 80**

A natural evolution of the G12-80, the Classic Lead uses a fibreglass voice coil former to deliver an 80W power rating and a unique dynamic sound.

A firm favourite with lead guitarists, the Classic Lead features a tightly controlled low-end, with strong high bass / low mid punch, aggressive mid-range attack and a powerful yet controlled top-end.

For power chords it has the tone to make its presence felt, but the subtle high-frequency roll-off makes it ideal for solos, able to project single notes on lead stages without becoming shrill.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12" (305mm)
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 100dB
- Frequency range: 80-5000Hz
- Resonance frequency, Fs: 80Hz
- DC resistance, Re: 6.9Ω & 11.8Ω

**FOREVER CELESTION**

VINTAGE 30

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Often used in 4x12 cabinets, speakers like the Vintage 30 and G12T-75 quickly came to dominate the backlines from the clubs on Sunset Strip to the ‘Monsters of Rock’ Festival, giving voice to the solos that turned guitarists like Slash and Yngwie Malmsteen into legends.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12" (305mm)
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 97dB
- Frequency range: 70-5000Hz
- Resonance frequency, Fs: 440Hz
- DC resistance, Re: 6.9Ω & 12.90

**MOUNTING INFORMATION**
- Diameter: 12.2", 309mm
- Overall depth: 5.3", 135mm
- Magnet structure dia: 6.1", 156mm
- Cut-out diameter: 11.1", 283mm
- Mounting slot dim: 0.31", 7.9mm
- Number of mounting slots: 4
- Mounting slot PCD: 11.7", 297mm
- Unit weight: 10.4lb, 4.7kg
- Magnet weight: 1.75", 44.5mm
- Voice coil diameter: 1.75", 44.5mm
- Voice coil material: Round copper
- Voice coil former: Ceramic
- Voice coil former: 0.31", 7.9mm Ø
- DC resistance, Re: 7.30 & 12.90

**G12-65**

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**GENERAL SPECIFICATIONS**
- Nominal diameter: 12" (305mm)
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 98dB
- Frequency range: 70-5000Hz
- Resonance frequency, Fs: 505Hz
- DC resistance, Re: 6.0Ω & 11.6Ω

**CLASSIC LEAD 80**

A natural evolution of the G12-80, the Classic Lead uses a fibreglass voice coil former to deliver an 80W power rating and a unique dynamic sound.

A firm favourite with lead guitarists, the Classic Lead features a tightly controlled low-end, with strong high bass / low mid punch, aggressive mid-range attack and a powerful yet controlled top-end.

For power chords it has the tone to make its presence felt, but the subtle high-frequency roll-off makes it ideal for solos, able to project single notes on lead stages without becoming shrill.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12" (305mm)
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 100dB
- Frequency range: 80-5000Hz
- Resonance frequency, Fs: 80Hz
- DC resistance, Re: 6.9Ω & 11.8Ω
Featured in the world’s top selling 4x12 cabinet, the G12T-75 is a high powered rock player’s dream. Built to meet the demands of high gain amplifiers, the G12T-75 combines a huge, tightly controlled low-end and aggressive mid-range with a softened top-end that adds a welcome sweetness to overdrive, distortion and aggressive upper harmonics. These are the characteristics that make the G12T-75 the weapon of choice for Yngwie Malmsteen.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12”, 305mm
- Power rating: 75W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 80 & 160
- Chassis type: Pressed steel
- Voice coil diameter: 1.75”, 44.5mm
- Voice coil material: Round copper
- Magnet type: Ceramic
- Magnet weight: 10.4lb, 4.7kg
- Frequency range: 80-5500Hz
- Sensitivity: 97dB
- Nominal impedance: 8Ω
- Power rating: 75W
- Nominal diameter: 12”, 305mm
- Cut-out diameter: 11.7”, 297mm
- Number of mounting slots: 4
- Mounting slot PCD: 11.7”, 297mm
- Unit weight: 110lbs, 50kg

The G12K-100

G12K-100

Celestion’s very own monster of rock, the G12K-100 makes full use of the heaviest G12 magnet to combine huge power handling with superb clarity across a wide frequency response. A massive bottom-end, rich-pack mid-range and restrained top-end make this the perfect speaker to add thump and grind to modern high-gain amps. Loaded in 4x12s, it delivers its famous sledgehammer tone. But it also finds use in small boutique combos, bringing a powerful mix of low-end warmth and mid-range attack.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12”, 305mm
- Power rating: 100W
- Nominal impedance: 8Ω
- Sensitivity: 86
- Chassis type: Ceramic
- Voice coil diameter: 1.75”, 44.5mm
- Voice coil material: Round copper
- Magnet type: Ceramic
- Magnet weight: 10.4lb, 4.7kg
- Frequency range: 80-5500Hz
- Sensitivity: 97dB
- Nominal impedance: 8Ω
- Power rating: 100W
- Nominal diameter: 12”, 305mm
- Cut-out diameter: 11.7”, 297mm
- Number of mounting slots: 4
- Mounting slot PCD: 11.7”, 297mm
- Unit weight: 110lbs, 50kg

**G10 VINTAGE**

The G10 Vintage is a 10” speaker with tons of attitude. Using a powerful ceramic magnet and thin voice coil design, the G10 Vintage, 30, it packs an impressive punch with its 60W power handling and 99dB sensitivity. With the fast response of a 10” but with the strong and creamy vocal tones of a 12”, the G10 is the ideal choice to add depth to hollow-sounding amps, or for players who want to get humbucker-type girth from single-cot. Can be used singly to add vocal warmth to small valve combos, or in quartets for a weightier but still lively attack.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 10”, 255mm
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 80 & 160
- Chassis type: Pressed steel
- Voice coil diameter: 1.75”, 44.5mm
- Voice coil material: Round copper
- Magnet type: Ceramic
- Magnet weight: 33oz, 0.99kg
- Frequency range: 125Hz
- Sensitivity: 65Hz
- Nominal impedance: 8Ω
- DC resistance, Fs: 47W & 12.5Ω

**G12EVH**

Throughout his career, whether in the studio or on the stage, the Celestion 20-watt ‘Greenback’ has played an essential role to Edward Van Halen in making the tones that round the look on guitar sound. When it came time to select speakers for his new EVH Brand 5150-III signature amp, there was only one choice – Celestion.

The Heritage Series G12M faithfully reproduces the sonic qualities of the original 60s version Greenback used to make EVH tone from day one. With the addition of a black rear, can featuring the EVH logo and his unmistakable red, white and black stripes, the G12M/50 was born. Unmistakable look, but more importantly unmistakable tone. EVH and the EVH logo are the registered trademarks of E.L.V.H. Inc. The unique striped design is a copyright (2002) of E.L.V.H. Inc. All rights reserved.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12”, 305mm
- Power rating: 60W
- Nominal impedance: 8Ω & 16Ω
- Sensitivity: 80 & 160
- Chassis type: Pressed steel
- Voice coil diameter: 1.75”, 44.5mm
- Voice coil material: Round copper
- Magnet type: Ceramic
- Magnet weight: 33oz, 0.99kg
- Frequency range: 73-8000Hz
- Sensitivity, Fs: 65Hz
- DC resistance, Fs: 47W & 12.5Ω

**MOUNTING INFORMATION**
- Diameter: 12.1”, 306mm
- Overall depth: 6.1”, 125mm
- Magnet structure diameter: 5.3”, 135mm
- Cut-out diameter: 5.3”, 135mm
- Mounting slot PCD: 5.9”, 150mm
- Overall depth: 5.3”, 135mm
- Number of mounting slots: 4
- Mounting slot PCD: 5.9”, 150mm
- Unit weight: 7.7lbs, 3.5kg

**FREQUENCY RESPONSE**

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<thead>
<tr>
<th>FREQUENCY (Hz)</th>
<th>SPL (dB)</th>
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<tr>
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<td>15000 Hz</td>
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**MOUNTING INFORMATION**

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<td>Cut-out diameter</td>
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<td>Mounting slot PCD: 5.9”</td>
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<tr>
<td>Unit weight</td>
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**FREQUENCY RESPONSE**

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<th>FREQUENCY (Hz)</th>
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<td>15000 Hz</td>
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POWER & TONE

Fashions in guitar amplification are constantly evolving. The current trend for increased portability calls for a new breed of loudspeaker, one that delivers greater power handling or reduced weight – or ideally both. At Celestion, our designers have met these challenges and, along the way, pioneered new ways of delivering remarkable tone.

Launched in 2017, the G12H-150 Redback astonished guitar players and amp builders by further developing the G12H speaker to combine trademark Celestion sonic with an extraordinary 150-watts power handling.

New for 2018, the Neo 250 Copperback is a speaker of exceptional purity and musicality, deploying a lightweight neodymium magnet to deliver 250-watts power handling from a driver weighing just 2.6kg (5.5lbs).

Whatever the size of your cab or the output of your amp, Celestion ensures you’ll never have to choose between power and tone.

G12H-150 REDBACK

The G12H-150 Redback has been created for players who are looking for extreme power handling but refuse to compromise on great tone. Rated at a gargantuan 150-watts, the Redback is constructed with a super-sized 2-inch voice coil and features the heaviest G12 magnet. The result is a guitar speaker that sounds 100% Celestion in character, yet is primed to withstand a pummelling from a 100-watt head all by itself, and still come back for more.

With a tight, well-controlled low end, detailed midrange and more relaxed treble, Celestion’s engineering expertise has produced a truly high power guitar speaker that can still deliver balance, responsiveness and superb playability, with muscular ease.

With lower power combos, expect tons of smooth, clean tone and don’t be afraid to plug in your favourite stomp box. Thinking of downsizing and generating giant slabs of frightening, monstrous tone.

NEW 250 WATTS

NEO 250 COPPERBACK

Sacrificing none of the delicious musicality of your favourite Celestions, the Neo 250 Copperback supplies tons of tone without the signature cone break-up immediately associated with the classic Celestion growl. It’s definitely not the “brown sound”, but for those wanting more transparency and less midrange vocal intensity the Neo 250 reveals the best from your amplifier and playing without additional colouration. The speaker’s unique response has a tight low end, neutral low mids, a clear, open upper-mid definition and well-controlled high treble, meaning you can shift from shimmering tubular-bell-like cleans to “flute-like” high gain with simply a tweak of the drive knob.

Rated at a monstrous 250-watts, the Neo 250 works together with your amp to provide unparalleled dynamics, delivering all the headroom and touch sensitivity you could possibly need. And built with a neodymium magnet, you get all this power and tone weighing in at a modest 5.5lbs (2.6kg).
Nobody knows more about guitar speaker tone than Celestion. So who better than Celestion to bring you stunning combinations of speakers, microphones and their placements in a range of Impulse Response digital downloads. Captured by award-winning recording engineers in world-class facilities using state-of-the-art recording equipment, Celestion IRs empower you to escape the limitations of a single mic and cabinet setup and explore a universe of possibilities to create your own perfect tone. And once you've found it, you'll be able to recreate it precisely, anytime, anywhere - at home or on the road.

Available for a whole range of popular Celestion speakers, Celestion IRs are also a great way to 'try out' combinations of speakers, cabs and microphones before you buy.

The IRs are absolutely stunning. I use them now live on all my sounds.
- Jeff Stinco, Simple Plan

I've heard a bunch of the Celestion IRs and they're all amazing
- Pete Thorn

The Celestion IRs make a laughing stock of other ones out there
- Steve Stevens

Available online at celestonplus.com
The F12-X200 is a truly full range driver that delivers a frequency response from 60Hz all the way up to 20kHz, the higher frequency part of the signal is reproduced using a Celestion compression driver which has been integrated using a high quality crossover circuit. This enables the F12-X200 to reproduce the full spectrum of audible frequencies, for the most accurate output possible, whatever your environment and set-up. The F12-X200’s response is remarkably neutral, with Celestion technology built in to ensure there are no unwanted colourations that can overpower the input signal. However, the lighter moving mass and straighter sided cone of the type commonly used with guitar speakers gives the X200 the feel and live response of a traditional guitar speaker, delivering all the physical feedback you’d to expect from playing through a conventional guitar rig.

Used with amp modellers or IRs, in a backline cab or a wedge monitor, on stage or in the studio, it doesn’t just sound like great guitar tone, it feels like it too.

F12-X200

GENERAL SPECIFICATIONS
Nominal diameter.................. 12"
Power rating ......................... 200W
Impedance ......................... 8Ω
Sensitivity ......................... 97dB
Choice type ....................... Dressed steel
Voice coil diameter ............. 2"
Voice coil material ............... Round copper
Magnet type ....................... Ceramic
Frequency Range ............... 60 - 20,000Hz
Resonance frequency (LF) .... 75Hz

MOUNTING INFORMATION
Diameter ......................... 309mm
Overall depth ...................... 165mm
Magnet structure dia ............ 170mm
Cut-out diameter ............... 283mm
Mounting slot dims 0.31", 7.9mm Ø
Number of mounting slots ...... 8
Mounting slot PCD ............... 297mm
Unit weight ....................... 4.1kg
CLASSICS OF TOMORROW

For ambitious players looking for bold, original tones to break new sonic ground, these innovative speakers look to the future, providing new tonal flavours for guitarists seeking out their signature sound.

For huge low-end tone, nothing unleashes the broad dynamic range of the guitar quite like the 15” GI5V-100 Fullback. Combining an instantly recognisable Celestion vibe together with some of our favourite American tones, the A-Type conveys a more laid back mid-range and rounded low-end, which shine in styles from country to full-tilt metal. And the V-Type brings a warm, vintage sound together with a super-responsive feel that adds an increased sense of playability to every amp.

G15V-100 FULLBACK

With a larger cone delivering an extended low-end response, the 100-watt Fullback has a big, deep voice, delivering smooth and expressive tones seemingly, without effort.

While retaining our classic, harmonically complex and finely detailed mid-range, the larger 15” cone of the Fullback shifts this characteristic down a register. Clean sounds are warm and expressive, revealing and enhancing the qualities of your amp and guitar without unnecessary colouration. Overdrive sounds are complex and musical, push harder for a weighty, contralto growl, with a softer, warmer mid-range.

Incorporating an eight hole chassis, the Fullback is the ideal choice whether you’re looking for the perfect upgrade for your 15” combo, or something more unattached. For ambitious players looking for bold, original tones to break new sonic ground, these innovative speakers look to the future, providing new tonal flavours for guitarists seeking out their signature sound. In every amp, there’s a place for the Fullback.

FREQUENCY RESPONSE

GENERAL SPECIFICATIONS

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<tr>
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V-TYPE

Built on over 90 years of experience, know-how and passion for great sound, the V-Type has been created using a carefully-balanced ‘recipe’ of old and new design techniques. It delivers authentic Celestion tone together with vintage musicality and a thrilling, tactile responsiveness that leaves you feeling connected to the music and makes you want to keep on playing.

Whatever your style, the V-Type provides a heady and exciting sound, with a superbly balanced tonal signature. Cleans are true across the low, mids and highs, with just enough upper-mid chime and HF sparkle to add clarity and definition. Crank it up for a sizzling overdrive and raw rock tones with plenty of midband warmth to give body and substance to lead note playing.

A-TYPE

Celestion guitar speakers have been an important part of British guitar tone since the birth of Rock & Roll. Traditionally, they are known for lively and midrange character with plenty of sparkle and chime, which turns into an exciting growl when overdriven, often compressing when pushed hard.

Inspired by our favourite modern American tones, the A-Type is a different kind of guitar speaker for Celestion. Of course, it still has the musical and revealing three-dimensional quality that is the heart and soul of a Celestion guitar speaker, however it features a more laid-back midrange which reveals body and complexity in the upper register, accompanied by full and rounded low frequencies.

The A-Type conveys a fluid, even performance with an increased headroom threshold that allows your amp’s tone to shine through.

Clean players will love the smooth articulation; for rockers the brooding, powerful low-end thrusts that’s only a heavy riff away!

A different kind of guitar speaker from Celestion. Inspired by our favourite modern American tones, the A-Type is a different kind of guitar speaker from Celestion.
### General Specifications

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<tr>
<th>Diameter</th>
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### Mounting Information

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### Frequency Response

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<td>95dB</td>
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### Chassis Type

- Round copper
- Ceramic

### Voice Coil Material

- Round copper
- Ceramic

### Voice Coil Diameter

- 0.19 x 0.31", 5 x 8mm Ø
- 0.31", 7.9mm Ø

### Cut-out Diameter

- 0.19 x 0.31", 5 x 8mm Ø
- 0.31", 7.9mm Ø

### Overall Depth

- 2.18", 55mm
- 3.3", 83mm

### Magnet Weight

- 3.3 x 0.31", 83mm Ø
- 0.31", 7.9mm Ø

### Magnet Type

- Ceramic

### Magnet Length

- 0.19 x 0.31", 5 x 8mm Ø
- 0.31", 7.9mm Ø

### Number of Mounting Slots

- 4

### Mounting Slot PCD

- 4

### Unit Weight

- 2.28 lb, 3kg
- 3.3", 83mm
- 7.7", 195mm

As the original name in guitar loudspeakers, nobody knows more about manufacturing guitar drivers than Celestion. Our Originals Series loudspeakers are constructed from high quality materials and tailored for use in a wide variety of amplifier types. From digital modellers through to high-powered all-valve combos. Built to exacting standards in our own ultra-modern manufacturing facility, Celestion Originals have earned a global reputation for consistent high quality and reliability, delivering Celestion tone and performance at highly competitive prices to literally hundreds of thousands of guitarists around the world.
PARTNERS IN TONE

Meet the bass players who turn speakers into legends
PULSE BASS SPEAKERS

For those that bring rumble and thunder, Celestion has created PULSE – a range of three powerful, dependable, ferrite magnet bass speakers built to deliver your sound with all the punch and clarity you need to hold down the bottom end in any musical situation.

Available in 10\', 12\', and 15\' sizes, these exceptional bass speakers draw on Celestion’s unique technical heritage in creating the world’s favourite guitar loudspeakers and our in-depth understanding of high-powered pro audio drivers; expect PULSE bass speakers to bring a bold authority to your sound, whatever your style. Manufactured with rigid steel frames designed for maximum energy transfer and highly responsive Kevalar-loaded cones, PULSE bass guitar drivers also incorporate longer voice coils for increased ‘throw’ and multi-roll surrounds for enhanced bass response.

**PULSE10**

With its robust steel chassis, PULSE10, provides a rock-solid bass performance whether alone in a single speaker combo, in a 4x10 or even an 8x10 cab. Expect a tight, punchy low end with a warm mid-range that’s full of presence, bringing focus and articulation to your playing. This heavy-duty driver truly delivers bass you can feel as well as hear.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 10\', 254mm
- Power Rating: 200W
- Nominal impedance: 8 Ohms
- Sensitivity: 94dB
- Magnet type: Ferrite
- Voice coil diameter: 2\', 50.8mm
- Cone material: Kevlar-loaded paper
- Surround material: Cloth-sealed
- Frequency range: 45-3500Hz
- Xmax: 0.12\'', 3.1mm
- Gap depth: 0.31\', 8mm
- Voice coil winding width: 0.62\', 16mm

**SMALL SIGNAL PARAMETERS**
- Diameter: 0.213\'\', 8.3mm
- Fs: 38Hz
- Mms: 32.9\'\', 836mm
- Qm: 2.5
- Qls: 0.44
- Le: 0.03mF
- Vas: 25.88\'\', 0.10ucF
- BL: 12.88\'\'
- Cms: 0.15mF
- Dms: 7.70kg/s
- Le(at1kHz): 0.92mH

**PULSE12**

For bass players demanding well-defined clarity and stunning articulation together with a rich, full tone, PULSE12 bass speakers deliver an ideal combination of responsiveness and rock solid low end. The Kevalar-loaded cone pulses with up to 400 watts of raw bass power. Expect each note to deliver a thick, percussive attack along with the mid-range necessary to break through in any performance situation.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 12\', 304.8mm
- Power Rating: 200W
- Nominal impedance: 8 Ohms
- Sensitivity: 94dB
- Magnet type: Ferrite
- Voice coil diameter: 2\', 50.8mm
- Coil material: Copper
- Cone material: Kevlar-loaded paper
- Surround material: Cloth-sealed
- Frequency range: 45-3500Hz
- Xmax: 0.13\', 3.35mm
- Gap depth: 0.31\', 8mm
- Voice coil winding width: 0.082\', 2.1mm

**SMALL SIGNAL PARAMETERS**
- Diameter: 0.25\'\', 10.2mm
- Fs: 40Hz
- Mms: 47.8\'\', 1208mm
- Qm: 2.5
- Qls: 0.42
- Le: 0.03mF
- Vas: 40.79\'\', 1.44ucF
- BL: 7.86\'\'
- Cms: 0.18\'\', 47.2mm
- Dms: 9.2kg/s
- Le(at1kHz): 0.65mH

**PULSE15**

With a longer voice coil for increased ‘throw’ and a multi-roll surround that provides exceptional linearity and superb bass extension, the 400-watt PULSE15 is impeccably-designed sonic artillery. Featuring a Kevalar-loaded cone and rigid steel chassis designed for maximum energy transfer, this robust and reliable speaker truly is a powerhouse of deep bass tone.

**GENERAL SPECIFICATIONS**
- Nominal diameter: 15\', 381mm
- Power Rating: 400W
- Nominal impedance: 8 Ohms
- Sensitivity: 94dB
- Magnet type: Ferrite
- Voice coil diameter: 3\', 76.2mm
- Coil material: Copper
- Cone material: Kevlar-loaded paper
- Surround material: Cloth-sealed
- Frequency range: 40-3500Hz
- Xmax: 0.19\', 49.2mm
- Gap depth: 0.31\', 8mm
- Voice coil winding width: 0.19\', 4.88mm

**SMALL SIGNAL PARAMETERS**
- Diameter: 0.32\'\', 10.9mm
- Fs: 60Hz
- Mms: 63.8\'\', 1608mm
- Qm: 2.5
- Qls: 0.36
- Le: 0.03mF
- Vas: 24.6\'\', 0.70ucF
- BL: 15.58\'\'
- Cms: 0.34mF
- Dms: 9.6kg/s
- Le(at1kHz): 0.67mH

**MOUNTING SPECIFICATIONS**
- Diameter: 15\', 381mm
- Overall depth: 6.4\', 162mm
- Cut-out diameter: 13.8\', 351mm
- Number of mounting slots: 6
- Mounting slot PCD: 14.7\', 369mm
- Unit weight: 10.6kg, 23.3lb

**SPL (dB)**
- 70
- 90
- 110
### GENERAL SPECIFICATIONS

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<td>2.0&quot;, 50.8mm</td>
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<tr>
<td>Number of mounting slots</td>
<td>0.24&quot;, 0.61&quot;, 8mm</td>
<td>0.24&quot;, 0.61&quot;, 8mm</td>
<td>0.24&quot;, 0.61&quot;, 8mm</td>
</tr>
<tr>
<td>Cut-out diameter</td>
<td>2.0&quot;, 50.8mm</td>
<td>2.0&quot;, 50.8mm</td>
<td>2.0&quot;, 50.8mm</td>
</tr>
<tr>
<td>Number of mounting slots</td>
<td>0.24&quot;, 0.61&quot;, 8mm</td>
<td>0.24&quot;, 0.61&quot;, 8mm</td>
<td>0.24&quot;, 0.61&quot;, 8mm</td>
</tr>
<tr>
<td>Mounting slot PCD</td>
<td>9.8&quot;, 245mm</td>
<td>9.8&quot;, 245mm</td>
<td>9.8&quot;, 245mm</td>
</tr>
<tr>
<td>Unit weight</td>
<td>2.79kg/0.98oz</td>
<td>4.34kg/1.44oz</td>
<td>5.46kg/1.90oz</td>
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</tbody>
</table>

### SMALL SIGNAL PARAMETERS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>BL10-100X</th>
<th>BN10-200X</th>
<th>BN10-300X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fs</td>
<td>74.4Hz</td>
<td>75.0Hz</td>
<td>75.0Hz</td>
</tr>
<tr>
<td>Rs</td>
<td>0.33Ω</td>
<td>0.23Ω</td>
<td>0.21Ω</td>
</tr>
<tr>
<td>Qms</td>
<td>0.44</td>
<td>0.42</td>
<td>0.57</td>
</tr>
<tr>
<td>D</td>
<td>0.33</td>
<td>0.33</td>
<td>0.33</td>
</tr>
<tr>
<td>Le (at 1kHz)</td>
<td>0.63mH</td>
<td>0.63mH</td>
<td>0.63mH</td>
</tr>
</tbody>
</table>

### FREQUENCY RESPONSE

- **BN10-200X**
- **BN10-300X**

---

**BASS SPEAKERS**

Expect a potent combination of technology and tone from Celestion bass speakers, built to deliver the exceptional performance demanded by modern amplifiers, while meeting the sonic demands of a wide range of players and playing styles.

---

**BN10-200X**

Delivering superb low end projection and a detailed mid-range that only an advanced Celestion neodymium motor could be capable of.

---

**BN10-300X**

Delivering superb low end projection and a detailed mid-range that only an advanced Celestion neodymium motor could be capable of.

---

**BN10-300X**

Delivering superb low end projection and a detailed mid-range that only an advanced Celestion neodymium motor could be capable of.

---

**BN10-300X**

Delivering superb low end projection and a detailed mid-range that only an advanced Celestion neodymium motor could be capable of.
With a choice of 10", 12" and 15" chassis sizes, impedances and magnet types, the Celestion Bass Speaker range provides ample power to power and players looking to upgrade their rigs with a comprehensive range of options.

Deploying Neo-magnet "BN" speakers can dramatically reduce the weight of a bass cabinet or combo — a welcome development for any hard-working bass player — while the availability of 40 and 80 impedance options provides flexibility for configuring single or multiple driver cabinets.

And it all comes with legendary Celestion performance and dependability, delivering the bottom line right after night.

**BN12-300S**

12-inch bass speakers deliver an ideal combination of responsiveness and rock solid low-end. This highly efficient, lightweight neodymium speaker is strong performance whatever your rhythmic style. Also available in 8Ω, the BN12-300S delivers clear, well-balanced bass so you'll be confident in your performance whether holding the line or punching through the mix.

**GENERAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Nominal diameter</th>
<th>12&quot;</th>
<th>304mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power rating</td>
<td>300W</td>
<td></td>
</tr>
<tr>
<td>Nominal impedance</td>
<td>8Ω</td>
<td></td>
</tr>
<tr>
<td>Sensitivity</td>
<td>99dB</td>
<td></td>
</tr>
<tr>
<td>Magnet type</td>
<td>Neodymium</td>
<td></td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>2.5&quot;</td>
<td>63.5mm</td>
</tr>
<tr>
<td>Coil material</td>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Cone material</td>
<td>Kevlar-loaded paper</td>
<td></td>
</tr>
<tr>
<td>Surround material</td>
<td>Cloth-sealed</td>
<td></td>
</tr>
</tbody>
</table>

**Mounting Information**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>12.2&quot;</th>
<th>309mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall depth</td>
<td>35mm</td>
<td>889mm</td>
</tr>
<tr>
<td>Mounting slot PCD</td>
<td>168.5mm</td>
<td></td>
</tr>
<tr>
<td>Mounting slot size</td>
<td>10.5&quot;</td>
<td>267mm</td>
</tr>
<tr>
<td>Unit weight</td>
<td>12.4Lb</td>
<td>5.63kg</td>
</tr>
</tbody>
</table>

**Small Signal Parameters (4Ω)**

<table>
<thead>
<tr>
<th>D</th>
<th>0.26mV</th>
<th>10v</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fs</td>
<td>48.315Hz</td>
<td>1.94</td>
</tr>
<tr>
<td>Mmd</td>
<td>40.59kHz</td>
<td>7.3</td>
</tr>
<tr>
<td>Qms</td>
<td>0.385</td>
<td>0.385</td>
</tr>
<tr>
<td>Vas</td>
<td>0.385</td>
<td>0.385</td>
</tr>
<tr>
<td>Re</td>
<td>0.339</td>
<td>0.339</td>
</tr>
<tr>
<td>Bi</td>
<td>2.72</td>
<td>2.72</td>
</tr>
<tr>
<td>Yin</td>
<td>80.4kHz</td>
<td>0.5</td>
</tr>
<tr>
<td>Yin</td>
<td>80.4kHz</td>
<td>0.5</td>
</tr>
<tr>
<td>Qms</td>
<td>1.014</td>
<td>1.014</td>
</tr>
<tr>
<td>Vas</td>
<td>1.014</td>
<td>1.014</td>
</tr>
<tr>
<td>Re</td>
<td>3.15</td>
<td>3.15</td>
</tr>
<tr>
<td>Bi</td>
<td>12.9Tm</td>
<td>12.9Tm</td>
</tr>
<tr>
<td>Bl</td>
<td>8.63Tm</td>
<td>8.63Tm</td>
</tr>
<tr>
<td>Le</td>
<td>8.63Tm</td>
<td>8.63Tm</td>
</tr>
<tr>
<td>Rms</td>
<td>3.25Lb</td>
<td>3.25Lb</td>
</tr>
<tr>
<td>Le</td>
<td>0.26mW</td>
<td>0.26mW</td>
</tr>
<tr>
<td>Le</td>
<td>0.26mW</td>
<td>0.26mW</td>
</tr>
</tbody>
</table>

**BN15-300X**

This 15" steel bass speaker has industry-leading engineering built in, together with signature Celestion tone that you can feel with every single note.

**GENERAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Nominal diameter</th>
<th>15&quot;</th>
<th>381mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power rating</td>
<td>300W</td>
<td></td>
</tr>
<tr>
<td>Nominal impedance</td>
<td>8Ω</td>
<td></td>
</tr>
<tr>
<td>Sensitivity</td>
<td>99dB</td>
<td></td>
</tr>
<tr>
<td>Magnet type</td>
<td>Neodymium</td>
<td></td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>2.5&quot;</td>
<td>63.5mm</td>
</tr>
<tr>
<td>Coil material</td>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Cone material</td>
<td>Kevlar-loaded paper</td>
<td></td>
</tr>
<tr>
<td>Surround material</td>
<td>Cloth-sealed</td>
<td></td>
</tr>
</tbody>
</table>

**Mounting Information**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>15.2&quot;</th>
<th>385mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall depth</td>
<td>5&quot;</td>
<td>125mm</td>
</tr>
<tr>
<td>Mounting slot PCD</td>
<td>14.5&quot;</td>
<td>369mm</td>
</tr>
<tr>
<td>Unit weight</td>
<td>10.8Lb</td>
<td>4.9kg</td>
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</tbody>
</table>

**Small Signal Parameters (4Ω)**

<table>
<thead>
<tr>
<th>D</th>
<th>0.33mV</th>
<th>12.99n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fs</td>
<td>21.1Hz</td>
<td>21.1Hz</td>
</tr>
<tr>
<td>Mmd</td>
<td>52.38G</td>
<td>52.38G</td>
</tr>
<tr>
<td>Qms</td>
<td>0.356</td>
<td>0.356</td>
</tr>
<tr>
<td>Vas</td>
<td>0.356</td>
<td>0.356</td>
</tr>
<tr>
<td>Re</td>
<td>0.319</td>
<td>0.319</td>
</tr>
<tr>
<td>Bi</td>
<td>2.72</td>
<td>2.72</td>
</tr>
<tr>
<td>Yin</td>
<td>50.9kHz</td>
<td>0.7</td>
</tr>
<tr>
<td>Qms</td>
<td>0.70</td>
<td>0.70</td>
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<tr>
<td>Vas</td>
<td>0.70</td>
<td>0.70</td>
</tr>
<tr>
<td>Re</td>
<td>3.15</td>
<td>3.15</td>
</tr>
<tr>
<td>Bi</td>
<td>12.9Tm</td>
<td>12.9Tm</td>
</tr>
<tr>
<td>Bl</td>
<td>8.63Tm</td>
<td>8.63Tm</td>
</tr>
<tr>
<td>Le</td>
<td>8.63Tm</td>
<td>8.63Tm</td>
</tr>
<tr>
<td>Rms</td>
<td>3.25Lb</td>
<td>3.25Lb</td>
</tr>
<tr>
<td>Le</td>
<td>0.26mW</td>
<td>0.26mW</td>
</tr>
<tr>
<td>Le</td>
<td>0.26mW</td>
<td>0.26mW</td>
</tr>
</tbody>
</table>

**BN15-400X**

With 400-watts of thunderous power handling capability, the lightweight neodymium magnet BN15-400X skillfully brings your low end to the forefront.

**GENERAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Nominal diameter</th>
<th>15&quot;</th>
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</thead>
<tbody>
<tr>
<td>Power rating</td>
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<tr>
<td>Nominal impedance</td>
<td>4Ω</td>
<td></td>
</tr>
<tr>
<td>Sensitivity</td>
<td>99dB</td>
<td></td>
</tr>
<tr>
<td>Magnet type</td>
<td>Neodymium</td>
<td></td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>2.5&quot;</td>
<td>63.5mm</td>
</tr>
<tr>
<td>Coil material</td>
<td>Copper</td>
<td></td>
</tr>
<tr>
<td>Cone material</td>
<td>Kevlar-loaded paper</td>
<td></td>
</tr>
<tr>
<td>Surround material</td>
<td>Cloth-sealed</td>
<td></td>
</tr>
</tbody>
</table>

**Mounting Information**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>15.2&quot;</th>
<th>385mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall depth</td>
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</tr>
<tr>
<td>Mounting slot PCD</td>
<td>14&quot;</td>
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<tr>
<td>Unit weight</td>
<td>5.7Lb</td>
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</table>

**Small Signal Parameters (4Ω)**

<table>
<thead>
<tr>
<th>D</th>
<th>0.33mV</th>
<th>12.99n</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fs</td>
<td>7.9Hz</td>
<td>7.9Hz</td>
</tr>
<tr>
<td>Mmd</td>
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<td>84.2kHz</td>
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<td>Qms</td>
<td>0.588</td>
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</tr>
<tr>
<td>Vas</td>
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<td>0.588</td>
</tr>
<tr>
<td>Re</td>
<td>0.588</td>
<td>0.588</td>
</tr>
<tr>
<td>Bi</td>
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<td>2.99</td>
</tr>
<tr>
<td>Yin</td>
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<td>0.6</td>
</tr>
<tr>
<td>Qms</td>
<td>1.27</td>
<td>1.27</td>
</tr>
<tr>
<td>Vas</td>
<td>1.27</td>
<td>1.27</td>
</tr>
<tr>
<td>Re</td>
<td>2.99</td>
<td>2.99</td>
</tr>
<tr>
<td>Bi</td>
<td>12.9Tm</td>
<td>12.9Tm</td>
</tr>
<tr>
<td>Bl</td>
<td>8.63Tm</td>
<td>8.63Tm</td>
</tr>
<tr>
<td>Le</td>
<td>8.63Tm</td>
<td>8.63Tm</td>
</tr>
<tr>
<td>Rms</td>
<td>3.65Lb</td>
<td>3.65Lb</td>
</tr>
<tr>
<td>Le</td>
<td>0.26mW</td>
<td>0.26mW</td>
</tr>
<tr>
<td>Le</td>
<td>0.26mW</td>
<td>0.26mW</td>
</tr>
</tbody>
</table>