

DIAMOND

AMPLIFICATION

CUSTOM 4X12 OWNER'S MANUAL

A MESSAGE FROM DIAMOND AMPLIFICATION

Thank you and congratulations on your purchase of a Diamond Amplification speaker cabinet. We are pleased you have chosen us and hope you will have many years of enjoyment from your new speaker cabinet!

Remember - the cabinet you just received is brand new, including the speakers. With any speaker, there is a "break-in" period. This means that your cabinet will go through tonal changes as you play it for the first days/weeks of its life. Speakers often require anywhere from 5 to 15 hours of play time before you start to hear their real character. (See enclosed sheet on "How Do I Break In My Speakers?")

We at Diamond personally test and put 5 hours of break in time on each cabinet before they ship. Unfortunately, given our level of production and commitments to our artists, customers and dealers, we can not break every cabinet in completely. So we are forced to assign a burdensome task to our customers - PLAY LOUD and break those speakers in!

Very truly yours,

DIAMOND AMPLIFICATION

Jeff Diamant
President/CEO

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HOW DO I BREAK IN MY SPEAKERS?

Important Note! Before breaking it in it's advisable to "warm up" the speaker gently for a few minutes with low-level playing or background hum.

Break in a speaker with a fat, clean tone: turn up the power amp volume to full, and control the level with the preamp gain. Use a level that will be quite loud, but not painful in a normal size room.

Have the bass and mid up full, and the treble at least half. On your guitar, use the middle pick up position (if your guitar has more than one pick up) and play for 10-15 minutes using lots of open chords, and chunky percussive playing. This will get the cone moving, and should excite all the cone modes and get everything to settle in nicely.

The speaker will continue to mature over the years, but this will get it 95% of the way to tonal perfection in the shortest time.

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CUSTOM 4X12 CABINET

Specs:

WOOD: 100% 13-ply Baltic Birch

SPEAKERS: 4 Celestion V30's

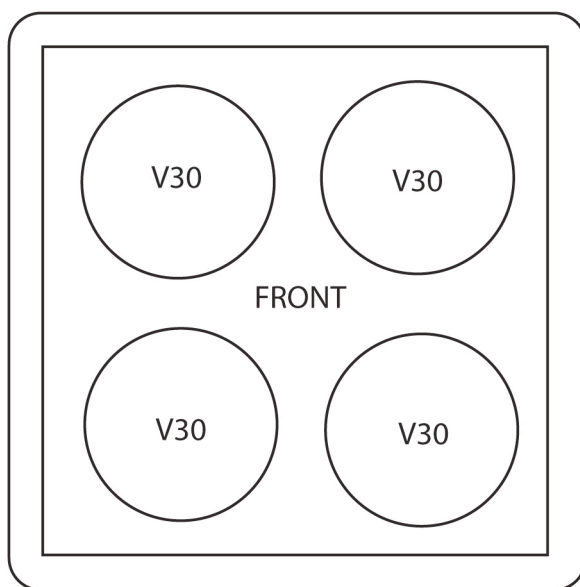
POWER RATING: 240 watts (V30's x 4 @ 60w/each)

IMPEDANCE: 8ohms (mono)

WIRING: 12ga oxygen free copper

CASTERS: 220lbs load capacity/ea x 4 with quick change plates

CONFIGURATION:



CELESTION GUITAR LOUDSPEAKERS



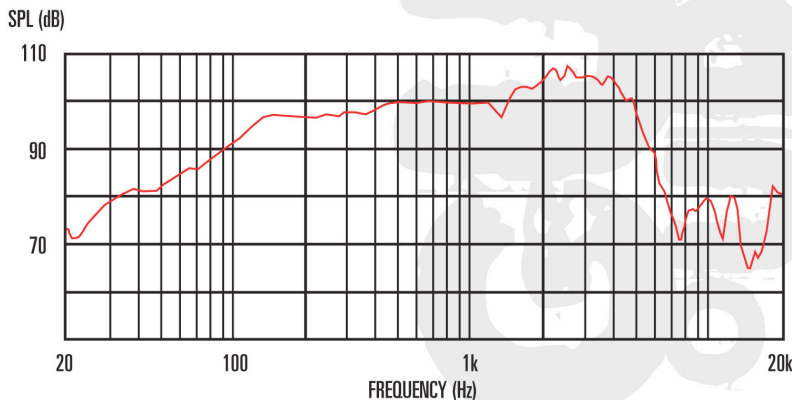
VINTAGE 30

We made pioneering use of Laser Doppler Interferometry to analyse the cone behaviour of an original Celestion Blue. We could then form a precise model of the vintage speaker's characteristics and apply it to a speaker design using new materials for greater power handling.

It was found that Celestion's 'H' magnet came closest in performance to Alnico. This was partnered with a new cone and new coil assembly employing modern materials with similar mass and physical properties to the originals, but better able to handle the extra heat generated through operating with higher power equipment.

Seemingly twice as loud as anything else at the same power level, the Vintage 30 handles massive overdrive sounds with ease. Tight bass, fat mids and a smooth, harmonically rich top end have made the Vintage 30 an excellent 4 x 12 loudspeaker. Of course, it's also suitable for any other cab!

8Ω FREQUENCY RESPONSE



GENERAL SPECIFICATIONS

Nominal diameter	12", 305mm
Power rating (W)	60W
Nominal impedance	8Ω & 16Ω
Sensitivity	100dB
Chassis type	Pressed steel
Voice coil diameter	1.75", 44.5mm
Voice coil material	Round copper
Magnet type	Ceramic
Magnet weight	50oz, 1.42kg
Frequency range	70-5000Hz
Resonance frequency, Fs	75Hz
DC resistance, Re	7.3Ω & 12.9Ω

MOUNTING INFORMATION

Diameter	12.2", 309mm
Overall depth	5.3", 135mm
Magnet structure diameter	6.1", 156mm
Cut-out diameter	11.1", 283mm
Mounting slot dimensions	0.31", 7.9mm Ø
Number of mounting slots	4
Mounting slot PCD	11.7", 297mm
Unit weight	10.4lb, 4.7kg