
Subject: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [SouthernVersion](#) on Wed, 20 Sep 2023 20:52:53 GMT

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Hey all!

I have a Kustom 2x12 guitar cab and was wanting to throw some bass speakers in it. But it got me thinking, before I drop the cash on some bass drivers, are there any differences between the cabinets of a 2x12 guitar cab and a 2x12 bass cab? Are the dimensions different? Thanks!

-Matthew

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [stevem](#) on Thu, 21 Sep 2023 15:42:49 GMT

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The cab's are the same .

Depending on the year the K100 was made if it was for guitar the speaker jack plate will say Jensen on it.

If it was for Bass all the years will say CTS.

The very late cabinets for guitar will say KEI.

If it was ordered with the optional up graded guitars speakers it will say Altec.

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [SouthernVersion](#) on Fri, 22 Sep 2023 00:47:14 GMT

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Yeah, my cab says Jensen on it.

But I was just curious if the bass cabs were built different for optimal tone. But I guess not. I'm thinking of swapping in some 350Watt drivers to use the cab for smaller shows.

Thanks!

-Matthew

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [stevem](#) on Fri, 22 Sep 2023 10:33:39 GMT

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So its still not clear to me by your post, are you looking to play basst thru the cab or guitar,

If for bass then most 350 watt drivers that do not have Neo magnets have very large magnet structures and this only serves to eat up internal cab volume that's all ready on the small side for bass guitar.

You need to learn to pick your drivers be they for bass or guitar by there VAS spec first and there wattage rating second and then the sensitivity rating.

For example the original Jensen C12N drivers in that cab where rated at 97.5 DB at 1 watt at 1 meter distance.

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [SouthernVersion](#) on Sat, 23 Sep 2023 03:04:29 GMT

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I am looking to swap out the original Jensen guitar speakers with a pair of bass speakers.

The speaker I am looking at is the Eminence "DELTA-12LFA 12" American Standard Series Speaker" I'm looking at this driver because the head I plan to use with this is a 300 Watt all tube head. Hence the need for the high wattage.

These are all the specs off their website.

SPECIFICATION

Nominal Basket Diameter - 12", 305 mm

Power Rating*

Program Power - 1000 W

Watts - 500 W

Resonance - 51 Hz

Usable Frequency Range - 44 Hz - 3 kHz

Sensitivity* - 94.6 dB

Magnet Weight - 56 oz.

Gap Height - 0.375", 9.5 mm

Voice Coil Diameter - 2.5", 64 mm

THIELE & SMALL PARAMETERS

Resonant Frequency (fs) - 51 Hz

Coil Inductance (Le) - 1.45m H

Mechanical Q (Qms) - 7.28

Electromagnetic Q (Qes) - 0.51

Total Q (Qts) - 0.47

Compliance Equivalent Volume (Vas) - 67.9 liters / 2.4 cu.ft.

Peak Diaphragm Displacement Volume (Vd) - 243 cc

Mechanical Compliance of Suspension (Cms) - 0.19 mm/N

BL Product (BL) - 14.1 T-M

Diaphragm Mass Inc. Airload (MMs) - 51 grams

Efficiency Bandwidth Product (EBP) - 100

Maximum Linear Excursion (Xmax) - 4.8 mm

Surface Area of Cone (Sd) - 506.7 cm²

Maximum Mechanical Limit (Xlim) - 13.5 mm

MOUNTING INFORMATION

Recommended Enclosure Volume

Sealed - 19.8-28 liters / 0.7-1 cu.ft.

Vented - 25.5-102 liters / 0.9-3.6 cu.ft.

Driver Volume Displaced - 0.079 cu.ft. / 2.25 liters

Overall Diameter - 12.03", 305.6 mm

Baffle Hole Diameter - 11.07", 281.2 mm

Front Sealing Gasket - Yes

Rear Sealing Gasket - Yes

Mounting Holes Diameter - 0.25", 6.4mm

Mounting Holes B.C.D. - 11.59", 294.4mm

Depth - 5.35", 135.9 mm

Net Weight - 11.8 lbs, 5.35 kg

Shipping Weight - 14 lbs, 6.35 kgs

MATERIALS OF CONSTRUCTION

Coil Construction - Copper voice coil

Coil Former - Polyimide former

Magnet Composition - Ferrite magnet

Core Details - Vented and extended core

Basket Materials - Pressed steel basket

Cone Composition - Paper cone

Cone Edge Composition - Cloth cone edge

Dust Cap Composition - Solid composition paper dust cap

-Matthew

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [stevem](#) on Sat, 23 Sep 2023 12:24:48 GMT

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Those should work just fine, but do not expect that small of a cab to carry the B string of a 5 string bass all that well if your playing such.

Your not making things easy on yourself carrying around a 300 watt all tube head.

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [SouthernVersion](#) on Mon, 25 Sep 2023 03:15:05 GMT

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Its an 80Lbs head haha. I know it isn't easy. I just don't have the room for a 4x10 or 2x15 cab right now.

I only run a 4 string bass.

I shot eminance an email with the internal dimensions of the Kustom to see what they think is the best speaker for the job.

- Matthew

Subject: Re: Difference between Kustom 2x12 guitar and bass cabs?

Posted by [stevem](#) on Mon, 25 Sep 2023 10:34:48 GMT

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Since I have both cabs (1-15" and 2-12") I can tell you that the cab with 1-15" sounds best for Bass, but it's a job to yank out the old baffle and make a new one.
