
Subject: Model 4-10 Speaker Column

Posted by [WillyDon](#) on Tue, 17 Feb 2015 22:26:41 GMT

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I've obtained a model 4-10 speaker column. I believe it is rated at 8 ohms, but not sure. Also need to know the RMS & Peak Wattage. Can anyone help with this one.

Subject: Re: Model 4-10 Speaker Column

Posted by [stevem](#) on Wed, 18 Feb 2015 11:10:30 GMT

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Hello and welcome to the place!

Those columns were sold with either the k100 PA heads or the latter k150 units.

I would say it would be fully safe to say that each driver could handle 20 watts rms, the peak power you ask of really does not matter as that is short duration power, it's the constant rms wattage that will take out drivers.

80 watts of rms power thru 4-10s is quite loud though, but note that those drivers were made at a time when a lot of voice coil formers were still being made of treated paper, and you know how beat up 40 year old paper can become no less paper that has been heated and cooled a number of times due to that wattage heat of the coil itself!

Many of these drivers fail due to the glue that was used to retain the coil to the paper former giving up, not due to being over driven with too much wattage!

If your intent is to use these for cranked up full range sound and not guitar than I would hook up a EQ and roll off from 80 hz on down a bit and give these 40 year old drivers a chance as without taking them out of the cabinet and checking their suspension there is no easy way to gauge how much they may have been beat up!

Subject: Re: Model 4-10 Speaker Column

Posted by [Iowa Boy](#) on Thu, 19 Feb 2015 03:25:01 GMT

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Since this cabinet was paired with the K-100 or the later K-150, you would need two columns to get your total load on a Kustom amp of that time period to get to your 4 ohm load to achieve maximum wattage output. What this implies, from Stevem's info.....is this column is an 8 ohm cabinet providing they are the original speakers and were wired parallel/series. If you can find any data info on the speaker frame, someone here will be able to tell you exactly what the wattage each speaker was rated at. Welcome aboard as well.

Subject: Re: Model 4-10 Speaker Column

Posted by [Kustom_Bart](#) on Wed, 25 Feb 2015 01:57:39 GMT

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I am recalling this from memory that isn't what it used to be, but I have torn these columns apart numerous times and if I recall the speakers said 20 or 25 watts on each one. The main thing that I have seen on them if they still work and the voice coil not being blown is the surround being totally gone in them. They really aren't good for anything except monitors for like a side fill or for PA vocals only, not for a mix like is done today with drums vocals and bass, etc. That will burn them right up.

Subject: Re: Model 4-10 Speaker Column
Posted by [pleat](#) on Fri, 27 Feb 2015 01:37:51 GMT

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The Kustom 4x10" speaker columns were sold with the K200A-5 and the K200B-5 PA heads and each cab is 8 ohms.

The K100B-5 PA heads were sold with 4x8" speaker columns and were packaged as the 595 PA system those columns are 15 ohm each cab. Kustom made two versions of the 4x8" columns. First version, the columns are 48" tall, same height as the 4x10" columns. The second 4x8" version was the shorter 40" tall columns that were sold with both the the K100B-5 and the PA150 slant metal face PA head.

pleat

Subject: Re: Model 4-10 Speaker Column
Posted by [stevem](#) on Fri, 27 Feb 2015 11:12:25 GMT

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See all I had to do was go to our literature section and I would have found out how wrong my info that I posted was, sorry gang!

Subject: Re: Model 4-10 Speaker Column
Posted by [stanfield4@hotmail.com](#) on Mon, 16 May 2016 17:32:59 GMT

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Hi, I'm hoping you can shed some light on my new setup, acquired after a lot of searching here in California. I have a mis-matched amp head and speaker cabinet that I'm hoping will not be too unhappy working together for a bass guitar. First, the amp is a K100B-5 which I now know is a PA amp, but sounds pretty good with a guitar through it, but the cabinet is a bit of a mystery. It's a 3x10 box but has a quad jr nameplate on the back of it. Weird, I know, just not sure if the amp will be unhappy with the impedance or not. It says it's 4 ohms, but since it's obviously not a quad jr, not sure what it is, and I'd also like to add another cab, maybe an acoustic single 15" that says it's 8 ohms. Just don't want to burn up the amp. I probably won't be gigging the thing, just playing at home mostly.

Thanks, for any help you can give, Mike

Subject: Re: Model 4-10 Speaker Column
Posted by [stevem](#) on Mon, 16 May 2016 19:02:08 GMT
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If your just playing Bass at home then the single 15 should be all you need, plus it is the impedance the K100 is needing to be safe and produce its maximum wattage.

In regards to using both the 3-10" cabinet in conjunction with the 15" that will not be possible without making up a special cable to have both cabinets wired in series .

I do not know what impedance the speakers are in that 3-10" cab, but I am betting that they are wired in parallel .

If that is the case then if the drivers are 16 ohms the cab will be 5.3 ohms, if they are 8 ohm drivers the cab will be 2.6 ohms and in wiring up the cab with the 15" in series the K100 will be having either a 13.3,ohm load on it , or a 10.6 ohm load.

Either way the amp will be fine, but the amps output power will be 20 to 30% less!

If you have a ohm meter you can check that 3-10" cab to see what it really is,if it has 3 16 ohm drivers then the meter will read less than 13 ohms , but greater than 10 ohms if the drivers are 16 ohm, and if the drivers are 8 ohms your meter reading will read less than 10 ohms but greater than 8 ohms.

Subject: Re: Model 4-10 Speaker Column
Posted by [stanfield4@hotmail.com](#) on Tue, 17 May 2016 00:06:33 GMT
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Thanks for the quick response and the info. I'm going to check the resistance on the 3x10 cab tomorrow to see what it is but it sounds like the amp will be fine with either cabinet alone, just maybe not together without the special cable. Do you happen to know what specific ohms the amp is rated for?

Subject: Re: Model 4-10 Speaker Column
Posted by [pleat](#) on Tue, 17 May 2016 01:29:00 GMT
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The K100B-5 amp is 60 watts at 8 ohm total load.
pleat

Subject: Re: Model 4-10 Speaker Column
Posted by [stevem](#) on Tue, 17 May 2016 10:11:21 GMT

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If the 3-10" cab has 8 ohm drivers and is wired in parallel I would not run your K100 thru it by itself as that may harm the amp!

Subject: Re: Model 4-10 Speaker Column
Posted by stanfield4@hotmail.com on Tue, 17 May 2016 17:54:40 GMT
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I checked the resistance on the cabinet today, and it shows about 4 ohms which is what the nameplate says, but it also says it's a quad jr., so kind of hard to trust it. Just to make sure I'm measuring properly, I stuck one lead on the inner surface of the jack and one on the outer nut holding it in. Is this correct? Also, I checked it with a cord plugged in and put the leads on the end of the cord, one lead on the end and one on the side, and this read about 8 ohms. Any thoughts? Thanks for your help and sorry to be a pain in the ass just happy to finally find a source of information on these old Kustoms.

Mike

Subject: Re: Model 4-10 Speaker Column
Posted by chicagobill on Tue, 17 May 2016 21:05:31 GMT
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Your readings seem wrong. What do you read if you touch the two meter leads together?

I would trust the reading taken from the cord more than from the outside of the jack.

Subject: Re: Model 4-10 Speaker Column
Posted by stanfield4@hotmail.com on Tue, 17 May 2016 21:34:11 GMT
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I used an analog meter and zeroed the reading so 0 ohms when leads were together. I just wasn't sure where exactly on the cabinet jack to stick the leads then wasn't sure if the cord would add much resistance to the reading. Just a six foot cord so I didn't think so. If it's accurate at the core then maybe the 3x10 might be ok with the k100B5. I need to take the back off i guess and check what speakers are in there and the way they're wired. So many screws back there!
