
Subject: JBL E-130/E-140 help
Posted by [Don17](#) on Fri, 06 Dec 2002 21:59:59 GMT
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Hello!!!!!!!!!!!!!! My name is Don, I'm 17 and have become deeply involved in sound reinforcement. I Have 3 JBL E-140's and a Single JBL E-130 that I would like to make low frequency cabinet. I'm planning to make a box that is 6 cubic feet and tuned to 40 Hz. They will be loaded with Two 15's per box. Now the problem is that there is going to be an enclosure with two different drivers (JBL E130/E140). The JBL E130 has a higher fs and has a small XMax. What should i do about having these two different drivers in the same box?????

Subject: Re: JBL E-130/E-140 help
Posted by [LuxmanLover](#) on Sat, 07 Dec 2002 02:16:01 GMT
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Bass drivers should each be housed in their own enclosure for best results. E series JBL's are designed as musical instrument drivers not PA drivers, they will tend to color the sound more than a 2225 or 2226 will. However is they are all you have to work with then I guess you run with it, but put them all in their own boxes. Plan "B" would bew to trade the 4 for 2 2226h's, they will be plenty loud, trust me.Kelly

Subject: Re: JBL E-130/E-140 help
Posted by [Wayne Parham](#) on Sat, 07 Dec 2002 03:16:18 GMT
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One could model a system having two different woofers and a single acoustic chamber, but it is possible that the tuning that works well for one motor is not optimal for the other. For that reason, I'd generally suggest that two different woofers be installed in two separate motor chambers.

Subject: Re: JBL E-130/E-140 help
Posted by [LuxmanLover](#) on Sat, 07 Dec 2002 12:08:01 GMT
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Something else to keep in mind with sound reinforcement is to use the BIGGEST amps you can find, 2x power rating of drivers isn't out of line. You never want to allow your amps to clip running

at the power levels you will be using, much better to let the drivers see too much power than not enough with a bunch of distortion in the signal, sure fire way to fry a speaker. Ideally you want an amp that is big enough that it's basically idling the whole time, nice clean signal. JBLPro.com has some good tech articles about PA applications. Kelly

Subject: Re: JBL E-130/E-140 help
Posted by [Don17](#) on Sat, 07 Dec 2002 23:25:59 GMT
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I don't have to worry about power because I have two power amps capable of delivering 1000 watts @ 4 Ohms per channel. Thanks

Subject: Re: JBL E-130/E-140 help
Posted by [LuxmanLover](#) on Sun, 08 Dec 2002 13:26:41 GMT
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Tell me their not Pyramid or Peavey! Kelly

Subject: Re: JBL E-130/E-140 help
Posted by [Don17](#) on Mon, 09 Dec 2002 13:33:45 GMT
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Actually, they're from a company named Phonic which is a company from overseas. They make high quality Pro audio gear that can go against a lot of Qsc mid-priced amps without costing as much. Also I finished the enclosures last night. I used them with an active crossover where they'll reproduce 40Hz-100Hz. They did extremely well for musical instrument speakers. They didn't color the sound up at all!!!! They sound the best when I put both cabinets side by side, where the low bass became very pronounced. I think that's the way I will set them up whenever I have a gig with a band. I'll include the link to Phonic's website where you can see the amps. When you get there look up amps: Max2500 And XP3000

<http://www.phonic.com>

Subject: Re: JBL E-130/E-140 help
Posted by [LuxmanLover](#) on Mon, 09 Dec 2002 14:06:53 GMT
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I've never heard of that brand of amp...hope they work out well for you.....question ...do your E series JBL's have silver or black dust covers?Kelly

Subject: Re: JBL E-130/E-140 help
Posted by [Don17](#) on Mon, 09 Dec 2002 22:24:18 GMT
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My E series JBL's have aluminum Dust caps. I rather have paper because obviously, I dont need the "extended" response. Also I think, Personally, that balck paper dustcaps would look much better.And about the amps, The company is just starting to sell in the U.S. but they have been around for 25 years.....All my friends- musicians and sound guys alike are amazed at their quality and performance and even more amazed because of the fact that I payed only about \$474.00 for each one!!!!!!!!!!!!!!!!!!!!!!-Don

Subject: Re: JBL E-130/E-140 help
Posted by [LuxmanLover](#) on Mon, 09 Dec 2002 23:11:08 GMT
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The reason I asked about the dustcovers is that E series can only be reconed with E series, no mix and match for them, unlike some of the PA JBL drivers. So if they are recones at least they probably have the right kit in them. Which is a good thing!Kelly