
Subject: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Eric Mainardi](#) on Sat, 02 Oct 2004 08:51:19 GMT
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Hello everyone, For those who are looking for information or advise concerning ELECTRO-VOICE vintage speakers, don't hesitate to ask me : I have a comprehensive data base concerning all E-V components back to the 60s (data sheet, plans, reports)EM

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [DRC](#) on Thu, 07 Oct 2004 10:08:00 GMT
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Amazing! I was just about to ask an EV question, and here you are. . . .I have a single Senior Centurion and I'm thinking of using the 15W woofer as the sub in a home theatre system. Do you have the specs on this driver and/or plans for a suitable enclosure?I had to shed the outer enclosure in a recent move, and would like to start over in a new woofer only enclosure.

Subject: ELECTRO-VOICE 15W speaker
Posted by [Eric Mainardi](#) on Thu, 07 Oct 2004 12:06:24 GMT
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Hello,I have checked with my documents. I don't have the specs concerning the 15W, which was discontinued in the 60s.But you can get some interesting information from the attached linkMy advice is that this speaker is nearly 40 years old, and so even if you got the original specs from E-V they would be wrong because of the ageing of the suspension, alnico magnet, etc ! But it remains an outstanding speaker.TMHO, the smart solution is to make the today's T/S par. measurement of your 15W with modern tools or according the method you can find everywhere on the web, and use them for your enclosure calculation.Take care,ERIC
<http://www.geocities.com/tadgesualdo/docpage.html>

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Pete Mck](#) on Wed, 27 Oct 2004 03:30:40 GMT
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Hi Eric,I've got some old info on EV35-t tweeters, but they quote the sensitivity as 60dB, using some old standard (EIA?).Do you know how to convert to today's measurements?Thanks,Pete McKelvie

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Eric Mainardi](#) on Wed, 27 Oct 2004 08:03:47 GMT
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Hello PETE, E-V T35 :The earlier T35 version came with an ALNICO magnet, 16ohm impedance and 57dB EIA sensitivity rating. Later (end of 60's) was introduced the T35A with 8ohm impedance and still 57dB EIA sensitivity. In the beginning of 70's, E-V documents change EIA sensitivity to standardized sensitivity and so rated T35A with 104dB @ 1W @ 1m .2 versions : ALNICO round magnet and later CERAMIC rectangular magnet (1978) with same given characteristics. This is valid of course for recent speakers. Due to ageing of alnico magnets, the sensitivity of your T35s should be slightly less now, if older than let's say 10 years. Best regards, ERIC

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Wayne Parham](#) on Wed, 27 Oct 2004 10:09:38 GMT
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JBL used a similar sensitivity figure until the 1980's also. They measured at 30 feet with 1mW input, warbling through 2.5 octaves in the passband. I believe the EIA spec defined a 1kHz tone, so this was a slight deviation.

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Pete Mck](#) on Wed, 27 Oct 2004 23:09:57 GMT
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Thanks Eric, wow, I didn't think they'd be so hot!! Mine are the ceramic version. I just have to find some mid/bass speakers to match them with. Do you have any opinion on which way to orient them? In the early lit, EV were saying the long axis should be vertical, but Klipsch used them horizontal... Cheers, Pete Mck

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Eric Mainardi](#) on Thu, 28 Oct 2004 07:26:22 GMT
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I suppose you mean 3 feet (= 1m) @ 1W...

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Wayne Parham](#) on Thu, 28 Oct 2004 09:02:30 GMT
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No, the old metric was 1mW at 30 feet. Some used a single 1kHz tone but JBL warbled through 2.5 octaves.

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Eric Mainardi](#) on Thu, 28 Oct 2004 17:41:36 GMT
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Matching speaker : T35A is really useable from 4kHz according to E-V (if not to say 5 or 6kHz). First you have to determine if you go for a 2 or 3-way system, and then to choose a speaker. My advice : if you wish to keep the E-V "spirit" try to find the E-V midrange kit (1824M driver + 8HD horn) and a good E-V 12" (EVM12) or 15" (EVM15). Compute the crossover by yourself and adjust time alignment. This will be a real high efficiency system that will work amazingly well. If you prefer something easier to set up, try a full range FOSTEX like the FE208A. 2-way without mess. But there is many other satisfying speakers on the market. Horn direction : The T35A horn is of diffraction type and normally should be used vertically according E-V principles, giving a better horizontal dispersion. KLIPSCH preferred to mount it horizontally. Probably for easier mounting and because it doesn't matter with domestic use. So don't worry and do according your taste. Best regards, ERIC

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Braggi](#) on Sun, 28 Nov 2004 18:18:38 GMT
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Greetings Eric and thanks for your willingness to share. I'm looking for TS parameters for SRO series 12" and 15" drivers. Are there any sites out there that post vintage specs for EV? "The Loudspeaker Database" doesn't list SROs and the EV site doesn't seem to carry info on vintage drivers. Your help is appreciated.-Braggi

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Eric Mainardi](#) on Wed, 01 Dec 2004 16:03:37 GMT
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Hello BRAGGI, Sorry for my late reply due to the moving of my company. To my knowledge, the

SRO speakers were built with ALNICO magnet and with basket of SP series and were discontinued in the early 70's when E-V launched their new range with new basket and ceramic magnet like EVM, FORCE and DL series, SP12C and SP15A speakers. Beside these new models were supplied with data sheet showing the newly introduced T/S parameters. So in a nutshell, we don't have any data sheet showing the T/S parameters of SROs and as I exposed elsewhere in the forum these 30 years old speakers should be measured to get useable T/S parameters because of ageing of the magnet, suspension, etc. Nevertheless, these outstanding speakers remain really worth to be used. I have some short info concernig SROs somewhere. I will post them to you asap. Best regards, ERIC

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Jon Geissinger](#) on Sat, 11 Dec 2004 16:06:07 GMT
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I have two 12" drivers that are supposed to be EV. They have an Al basket, the rear plate is gone, but inside the rear is a retainer plate with a screw going to the center of the magnet. The surround is cloth (redish in color), the cone is black paper and has a 3" dome. The basket has a number printed with a number 810 3973. Is there a way to ID this speaker to determine the power handling? I have tested it and gotten the free air and 1 cu ft closed box response curves and I want to build a TL enclosure around them.

Subject: Re: ELECTRO-VOICE (E-V) vintage speakers
Posted by [Eric Mainardi](#) on Mon, 13 Dec 2004 18:23:09 GMT
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Hi JON, Difficult to answer accurately but if there is a redish surround, it is likely an EV product. Beside, is there any whizzer cone? If yes, it is probably a SP12-B or -C. If there is a black magnet cover with "cooling fins" around it and a silver grey basket, I would say it is a SP-12C which is an excellent speaker. I have the data sheet. The SP12-B is a former model, with a 2-stage magnet cover of same colour of the basket. To make sure, a digital picture would be welcome. To be continued, ERIC
