

E-V speaker components, coupled with appropriate power amplification, offer you a compact system for on-stage sound reinforcement that is virtually without comparison. The RC series of encased constant directivity horns is the heart of the system. The RC horn design is patented¹ by Electro-Voice. These horns offer precise, uniform pattern control over a wide range of frequencies. The advantage to you is that your audience can hear the same clear, intelligible sound anywhere within the rated coverage angle of the horn – not loud in front, muddy in back, or dull at the sides. Every seat in the house will be the best seat in the house!

MUSIC SPEAKER PRODUCTS

FROM



The RC horns come complete with E-V's famous DH1506 high-frequency driver. They have an integral fiberglass case for protection, with molded-in handles for easy portability, rubber feet for non-skid stacking. A 60-microfarad series capacitor which provides protection against low-frequency and DC inputs such as those produced by amplifier turn-on/turn-off and some types of amplifier failure.

The LF215 low-frequency system houses two EVM15B's. Like the other E-V stage systems, the LF215 is constructed of 3/4-inch plywood, covered in a durable black vinyl and trimmed with edge-protecting aluminum trim. A metal mesh grille protects the speakers. Integral handles and casters make setups simple. The XEQ-1A electronic crossover/equalizer provides the required frequency division between the high- and low-frequency power amplifiers, as well as the frequency contouring that complements the performance of the RC high-frequency systems. Crossover frequencies are determined by plug-in modules. 800 Hz and 500 Hz are supplied. Note: two XEQ-1A's required for stereo operation.

HIGH-PERFORMANCE SPEAKER COMPONENTS



LF215



XEQ-1A

LF215 Specifications

Frequency Response:	40-5000 Hz
Sound Pressure Level:	126 dB (at 4', 400 watts in)
Recommended Crossover:	800 Hz
Long Term Power Handling Capacity:	400 watts (per EIA Standard RS-426)
Nominal Impedance:	4 ohms
Inputs & Outputs:	Parallel 1/4" Phone Jacks
Dimensions:	38 3/4" x 28 1/4" x 15 1/2" hwd
Shipping Weight:	103 lbs

RC40, RC60, RC90 & RC120 Specifications

Frequency Response:	500-20,000 Hz (all)
Beamwidth (horiz. x vert.):	40° x 25° (RC40); 60° x 40° (RC60); 90° x 40° (RC90); 120° x 40° (RC120)
Sound Pressure Level: (1 watt, one meter)	105 dB (RC40); 103 dB (RC60); 101 dB (RC90); 99dB (RC120)
Recommended Crossover:	800 Hz (all)
Long Term Power Handling Capacity:	30 watts (all)
Nominal Impedance:	8 ohms (all)
Inputs & Outputs:	Parallel 1/4" Phone Jacks (all)
Dimensions (hwd):	18 1/2" x 29" x 37" (RC40); 12" x 21 1/2" x 22 1/2" (RC60); 12" x 24" x 21 1/2" (RC90); 11" x 26" x 23" (RC120)
Weight:	56 lbs (RC40); 40 lbs (RC60, RC90); 43 lbs (RC120)

XEQ-1A Specifications

Channel Configuration:	Monaural
Distortion at Max Output (+20 dBm):	.02 typical
Crossover Range (determined by module):	100 to 8000 Hz (500 Hz and 800 Hz supplied)
Filter Slope:	18 dB per octave
Power Requirements:	90-120 V, 50/60 Hz
Mounting:	Standard 19" rack panel, 1 3/4" high
Weight:	(4 lb, 6 oz)

1. U.S. Patent number 4071112, January 31, 1978, applied for September 30, 1975.

B115-M & B215-M BASS GUITAR SYSTEMS

The B115-M and B215-M Bass Guitar Systems were specifically designed for the performing bass guitar player. These two speaker systems have evolved because of the need for bass players to have a full-range sound available to them. The lead bass player no longer is confined to the familiar dull, single driver sound associated with most current bass systems.

The B115-M and B215-M both use EVM-15L low frequency speakers. The B215-M uses two. The enclosures (4 cubic feet for the B115-M, 6.5 cubic feet for the B215-M) are constructed of 3/4" black vinyl-covered plywood.

Aluminum trim on all edges, plus a metal mesh grille protect the enclosures and drivers from damage. Recessed handles on both systems and heavy-duty casters on the B215-M make transportation, set-ups and tear-downs easy. Both cabinets are of Thiele-vented, low-frequency design that have been carefully tuned to 40 Hz to reduce speaker diaphragm excursion at the lowest bass guitar notes and to prevent bottoming under any normal conditions. The B115-M is designed with a cleaner sound preferred by many studio musicians and jazz bassists. The B215-M has a slightly heavier bass response, and its higher SPL capability make it ideal for the rock-oriented musician.

The crossover of both systems is at 600 Hz to a vented midrange cone speaker (VMR), an Electro-Voice exclusive. The VMR couples a 6-inch cone to our largest 16-pound magnet structure in an integral vented enclosure. The VMR gives the bass player a new freedom to explore percussive bass sounds and lead-bass riffs. In addition, greater midrange dispersion is obtained at the high end, offering the listener the same brilliant sound off-axis as he would get on-axis. Both the B115-M and B215-M incorporate a front-mounted mid-range level control so that the bass player can tailor his system to achieve the degree of brightness desired.



B115-M & B215-M SPECIFICATIONS

Specifications B115-M

Frequency Response:	40-5000 Hz
Sound Pressure Level:	124 dB (4' on Axis, 200 watts in)
Crossover:	600 Hz
Long-Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Inputs & Outputs:	Parallel 1/4" Phone Jacks
Dimensions:	28 3/4" x 24 1/2" x 13 3/4" hwd
Shipping Weight:	93 lbs

Specifications B215-M

Frequency Response:	40-5000 Hz
Sound Pressure Level:	127 dB (4' on Axis, 400 watts in)
Crossover:	600 Hz
Long-Term Power Handling Capacity:	400 watts (per EIA Standard RS-426)
Nominal Impedance:	4 ohms
Inputs & Outputs:	Parallel 1/4" Phone Jacks
Dimensions:	38 3/4" x 28 1/4" x 15 1/4" hwd
Shipping Weight:	117 lbs

Years of experience, testing and design refinement of Electro-Voice EVM Loudspeakers have resulted in speakers that musicians "love." There's no other way to say it. Today, EVM's are the factory supplied speakers in numerous leading manufacturers' "premier" lines of enclosures. They are also the replacement speakers of choice by many musicians and concert sound men. Five specialized designs make your choice easy.

EVM-12L, EVM-12S & EVM-18B SERIES II MUSICAL INSTRUMENT LOUDSPEAKERS

The EVM-12L and EVM-12S are for your 12" enclosures. The sound of the EVM-12L has become a standard for many musicians. The shallower cone of the new "12S" gives more output in the critical 2000/3000-Hz range. This gives the "S" a brilliant, biting sound that

is preferred by many rock musicians. The EVM-18B is the ideal replacement for your 18" bass cabinets.

All EVM's are rated at 200 watts continuous power handling capacity per EIA standard RS-426.* Professionals have come to know that EVM's handle that kind of power routinely. The edge-wound, flat-wire voice coil and refinements like beryllium copper flat-wire coil leads, plus heavy-duty input terminal connections, make it easier to get your sound out where you want it.

*See appropriate EVM engineering data sheets for a complete power test description.



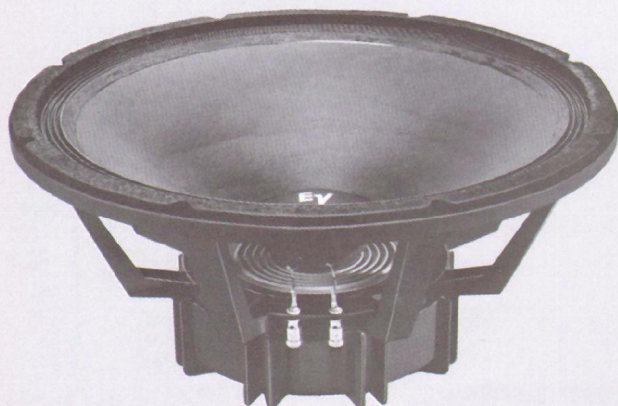
EVM-12L Series II Specifications

Frequency Response:	80-7000 Hz
Sound Pressure Level:	121.5 dB (at 4', 200 watts in)
Long-Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Voice Coil Diameter:	2½ in
Dimensions:	12 ¹³ / ₁₆ " diam. x 6" deep
Weight:	19 lbs



EVM-12S Series II Specifications

Frequency Response:	80-7000 Hz
Sound Pressure Level:	122.5 dB (at 4', 200 watts in)
Long Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Voice Coil Diameter:	2½ in
Magnet Weight:	4 lbs, 13 oz
Dimension:	12½" diam. x 5½" deep
Weight:	19 lbs



EVM-18B Series II Specifications

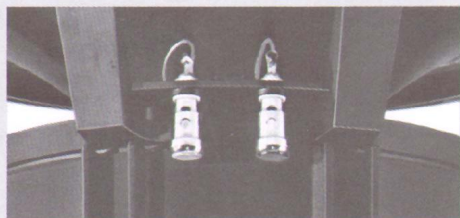
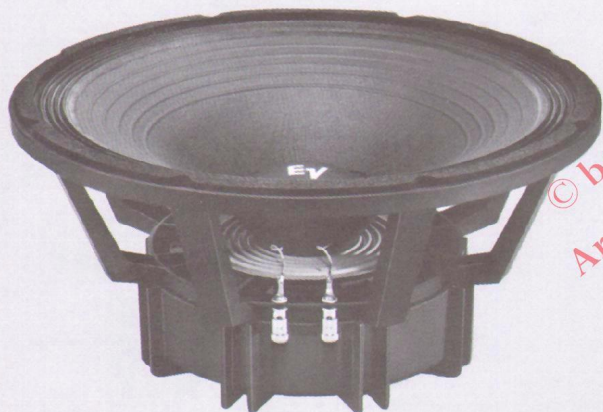
Frequency Response:	50-5000 Hz
Sound Pressure Level:	122 dB (at 4', 200 watts in)
Long-Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Voice Coil Diameter:	2½ in
Magnet Weight:	4 lbs, 13 oz
Dimensions:	18" diam. x 8" deep
Weight:	22 lbs

EVM-15L & EVM-15B SERIES II MUSICAL INSTRUMENT LOUDSPEAKERS

The EVM-15L and EVM-15B Series II musical instrument loudspeakers offer all the design improvements described on the previous page. The EVM-15L Series II, designed to complement the lead guitar player's needs, is also at home in a bass cabinet in those situations where a wider frequency response range is necessary.

Long considered the "premier" bass speaker, the new EVM-15B, with its improved power handling capacity (EIA Standard RS-426*), now offers the bassist even more flexibility. The stiffer cone material used in the 15B, along with a lower resonant frequency mean a clean, tight sound that won't get lost in the competition with other instruments.

*See the appropriate EVM data sheet for a complete power test description.



Heavy-duty speaker connector terminal on new Series II EVM's.

EVM-15L & EVM-15B SPECIFICATIONS

EVM-15L Series II Specifications

Frequency Response:	60-6000 Hz
Sound Pressure Level:	124.5 dB (at 4', 200 watts in)
Long-Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Voice Coil Diameter:	2½ in
Magnet Weight:	4 lbs, 13 oz
Dimensions:	15.1" diam. x 7" deep
Weight:	21 lbs

EVM-15B Series II Specifications

Frequency Response:	60-3500 Hz
Sound Pressure Level:	124.5 dB (at 4', 200 watts in)
Long-Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Voice Coil Diameter:	2½ in
Magnet Weight:	4 lbs, 13 oz
Dimensions:	15.1" diam. x 7" deep
Weight:	21 lbs

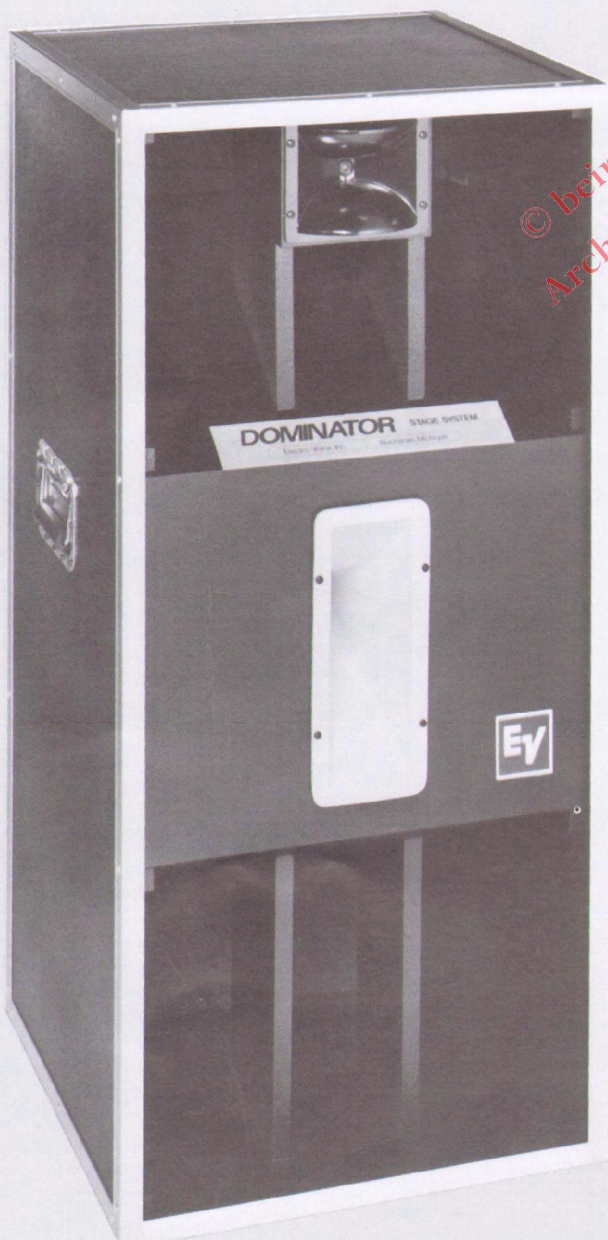
DOMINATOR™ HORN LOADED P.A. SPEAKER SYSTEM

The new Dominator™ is quite simply the best horn-loaded touring P.A. system E-V has ever made. Its efficiency is unmatched by any other speaker system in the E-V lineup. And its new tall-and-narrow shape makes it a good fit on stage and helps put your sound where you want it. The smooth, extended frequency

response of the Dominator makes it ideal not only for vocals but also for high-accuracy reproduction of miked instruments.

The EVM™ 15L woofer is used in a folded-horn-type enclosure for efficient response down to 60 Hz. A mid-range horn specially designed for the Dominator not only has the high output ability available from a horn, but also never falls below a 100° horizontal dispersion angle at any mid-range frequency. The high end is provided by the superb ST350A tweeter, and is protected by E-V's High-Frequency Auto Limiting circuit for foolproof tweeter protection.

The Dominator is also easily bi-ampable at its 600 Hz woofer/midrange crossover point. Integral heavy-duty handles make set-ups and tear-downs easy. Black vinyl-covered 5/8-inch plywood construction, along with edge-protecting aluminum trim on all sides, make the Dominator as durable as it is attractive.



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Dominator Specifications

Frequency Response:	60-16,000 Hz
Sound Pressure Level:	123 dB (4' on Axis, 100 watts in)
Long-Term Average Power Handling Capacity:	100 watts
Nominal Impedance:	8 ohms
Crossover:	600 Hz and 4000 Hz
Inputs & Outputs:	Parallel 1/4" Phone Jacks
Dimensions:	43 1/2" x 19 3/4" x 20 1/4" hwd
Shipping Weight:	120 lbs

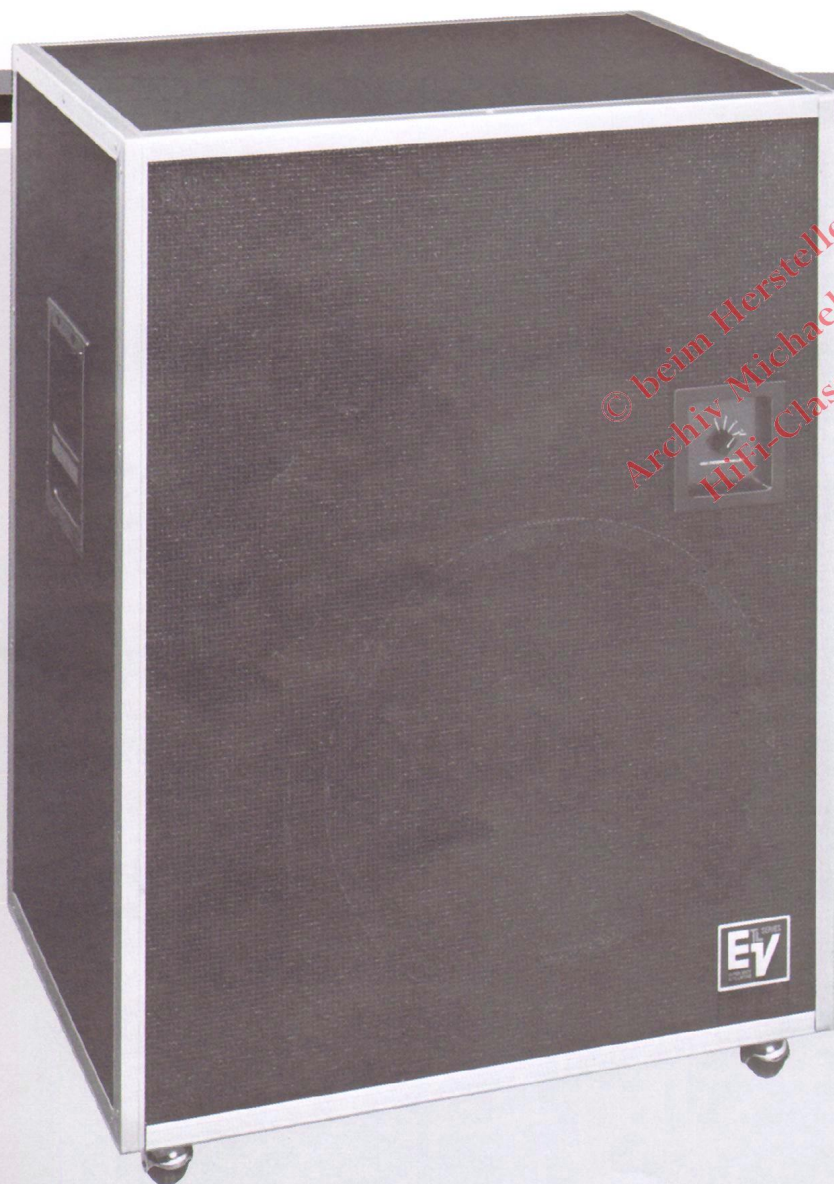
S18-3 STAGE KEYBOARD SYSTEM

The S18-3 is the ideal system for instruments which have wide frequency response requirements such as synthesizers and other keyboard instruments. Also, the S18-3's ability to produce bass in the 40 Hz region makes it ideal for disco.

The EVM™ 18B woofer used in the S18-3 maintains full, low-distortion output to 40 Hz. The vented midrange driver and ST350A tweeter offer the same superb reproduction found in E-V's other stage systems.

The S18-3 offers a wide range of features not available in other keyboard systems. A front mounted midrange and tweeter level control allows the performer to adjust the high end of the system while performing. For those applications that require it, the S18-3 is bi-ampable. The simple interchange of two 9-pin plugs on the rear connector panel converts the S18-3 for use with a 600 Hz active low-level crossover.

To cosmetically match the other Electro-Voice stage systems, the S18-3 enclosure construction is black vinyl covering 3/4" plywood. Protective aluminum trim covers all edges. The grille cloth is a driver-protecting metal mesh. Integral handles and casters make set-up and transportation easy. As in all E-V stage systems, the S18-3 includes High Frequency Auto Limiting which responds instantaneously to excessive power inputs resulting in absolute tweeter protection without audible side effects.



S18-3 Specifications

Frequency Response:	40-16,000 Hz
Sound Pressure Level:	121 dB (4' on Axis, 200 watts in)
Long-Term Power Handling Capacity:	200 watts (per EIA Standard RS-426)
Nominal Impedance:	8 ohms
Crossover:	600 Hz & 4000 Hz
Inputs & Outputs:	Parallel 1/4" Phone Jacks
Dimensions:	35 1/2" x 28" x 19 3/8" hwd
Shipping Weight:	120 lbs

The Electro-Voice "PA Bible" and its supplements is a practical, complete guide to solving the sound reinforcement problems faced by professional musicians. For the first time, the important fundamentals of high-performance sound system design and application are outlined and made useful to the performer. If you would like a copy of the "PA Bible," all existing and future additions, send \$1.00 and your name and address to PA Bible, Electro-Voice, Inc., 600 Cecil Street, Buchanan, MI 49107.

Electro-Voice continually tries to improve existing products, as well as create new ones. Therefore, specifications in this brochure are subject to change without notice. For complete specifications on any Electro-Voice music speaker product, consult the appropriate Engineering Data Sheet.



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