

STUDIOLINE

pulz

ENERGY SERIES

EM1



FEATURES

- High dynamic SPL
- High system efficiency
- Low harmonic distortion
- Exceptional transient response
- Unique pattern control
- Smooth and extended frequency response
- Compact size
- Ideal for small size auditoria

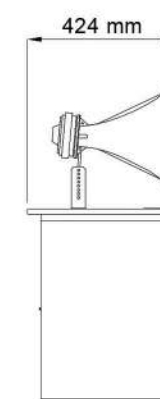
SPECIFICATIONS:

Frequency Response:	45Hz to 20kHz
Power Rating:	LF: 500W AES, 2000W peak; HF: 80W AES, 450W peak
Sensitivity:	LF: 98dB @ 1W/1m; HF: 113dB @ 1W/1m
Maximum SPL:	LF: 125dB continuous, 131dB peak @ 1m; MF/HF: 132dB continuous, 138dB peak @ 1m
Nominal Impedance:	LF: 8Ω; HF: 8Ω
Recommended Amplifier:	300W to 800W @ 8Ω
Low Frequency Driver:	15" (380 mm) weather resistant long excursion woofer
High Frequency Driver:	1.75" (44 mm) voice coil compression driver
Crossover:	1kHz Active
Finish:	Black impact resistant structured coating
Connector:	Push type binding post, cable upto 4 mm diameter
Enclosure:	18 mm MDF direct radiator vented enclosure
Horn:	90° horizontal, -30° + 20° vertical
Dimensions (H X W X D):	959 mm X 760 mm X 424 mm (37.8" X 30" X 16.7")
Net Weight:	50 kg (110 lb)
Packed Weight:	60 kg (132 lb)

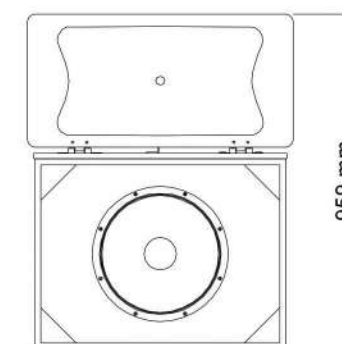
The Pulz EM1 2-Way Cinema Screen Speaker is a compact and cost effective solution for small cinemas. The system consists of a single 15" low frequency high efficiency driver working in conjunction with a 1.75" voice coil high frequency compression driver. The 90° horizontal and -30° to +20° vertical pattern control horn exhibits uniform HF response throughout the cinema auditorium.

The LF driver is loaded in a direct radiator bass-reflex enclosure. The vented enclosure design is chosen to extend low frequency performance while limiting cone excursion. This also reduces distortion and driver strain. The large port area reduces air turbulence at full power output and low frequencies.

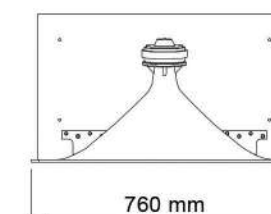
Very fine adjustments can be done by adjusting the tilt of the horn through our unique adjustable steel bracket. The vented woofer box design gives great low frequency extension with compact size.



SIDE VIEW



FRONT VIEW



TOP VIEW

EM3



FEATURES

- High dynamic SPL
- High system efficiency
- Low harmonic distortion
- Exceptional transient response
- Smooth and extended frequency response
- Ideal for medium to large auditoria

The Pulz EM3 2-Way Cinema Screen Speaker System has been developed as a cost effective solution for use in medium to large size cinemas.

The system consists of 2 X 15" low frequency transducers in conjunction with a 1.75" voice coil high frequency compression driver of high sonic quality and dynamic range.

The 90° horizontal and -30° to +20° vertical pattern control horn exhibits uniform HF response throughout the cinema auditorium. The dual 15" drivers are independently loaded in a direct radiator bass-reflex enclosure. This technique avoids "sympathetic failure" and provides better interface options with the amplifiers.

The large port area reduces turbulence at full power output and low frequencies. A heavy duty spring loaded push type terminals ensures secure connection to the LF driver.

Full performance of the EM3 system is achieved by an bi-amp configuration using either Analog or Digital cross-over.

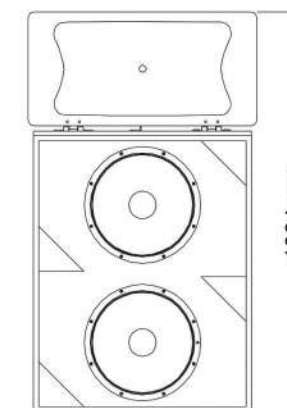
All components feature a textured black finish to eliminate the reflection of light through perforated cinema screens.

SPECIFICATIONS:

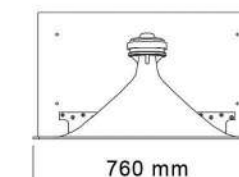
Frequency Response:	45Hz to 20kHz
Power Rating:	LF: 800W AES, 3200W peak; HF: 80W AES, 450W peak
Sensitivity:	LF: 101dB @ 1W/1m; HF: 113dB @ 1W/1m
Maximum SPL:	LF: 130dB continuous, 136dB peak @ 1m; MF/HF: 132dB continuous, 138dB peak @ 1m
Nominal Impedance:	LF: 4Ω; HF: 8Ω
Recommended Amplifier:	600W to 1200W @ 4Ω
Low Frequency Driver:	2 X 15" (380 mm) weather resistant long excursion woofer
High Frequency Driver:	1.75" (44 mm) voice coil compression driver
Crossover:	1kHz Active
Finish:	Black impact resistant structured coating
Connector:	Push type binding post, cable upto 4 mm diameter
Enclosure:	18 mm MDF direct radiator vented enclosure
Horn:	90° horizontal, -30° + 20° vertical
Dimensions (H X W X D):	1334 mm X 760 mm X 424 mm (52.5" X 30" X 16.7")
Net Weight:	68 kg (150 lb)
Packed Weight:	75 kg (165 lb)



SIDE VIEW



FRONT VIEW



TOP VIEW

ES 8



FEATURES

- Convenient mounting options
- Smooth on and off frequency response
- High performance transducers
- 90° conical dispersion
- High SPL
- Professional construction
- High quality components

SPECIFICATIONS:

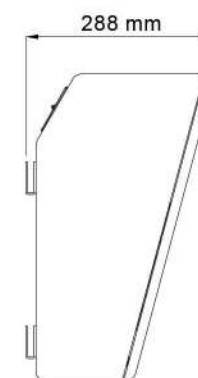
Frequency Response:	65Hz to 20kHz
Power Rating:	100W AES, 400W peak
Sensitivity:	93.5dB @ 1W/1m
Maximum SPL:	113.5dB continuous, 119.5dB peak @ 1m
Nominal Impedance:	8Ω
Low Frequency Driver:	8" (200 mm) Mid-Bass driver
High Frequency Driver:	1" (25 mm) Dome tweeter
Crossover:	2.5kHz Passive, low loss air core inductors and MKP capacitors
Finish:	Black impact resistant structured coating
Connector:	Push type binding post, cable upto 4 mm diameter
Enclosure:	15 mm MDF direct radiator vented enclosure
Dispersion:	90° conical
Grill:	Acoustically transparent black woven fabric
Dimensions (H X W X D):	470 mm X 355 mm X 288 mm (18.5" X 14" X 11.3")
Net Weight:	10.2 kg (22 lb)
Packed Weight:	11.2 kg (25 lb)

The Pulz ES8 is a 2-Way Cinema Surround Speaker System, designed to reproduce faithfully the wide dynamic range and extended frequency response to meet today's immersive audio formats.

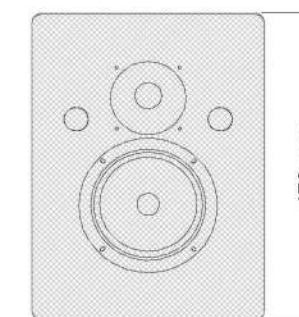
The system features a 8" (200 mm) long throw Mid-Bass driver in a reflex enclosure along with a 1" (25 mm) Dome tweeter mounted on a conical waveguide. The crossover network has been specially designed to have flat frequency response over the entire audible frequency range.

The shape of ES8 allows easy wall mounting with a 15° downward tilt. With a sensitivity of 93.5dB and well controlled dispersion characteristics, it can cover a wide seating area with even frequency and power response. The black textured finish and slim line construction of the enclosure blends unobtrusively in the cinema auditoria.

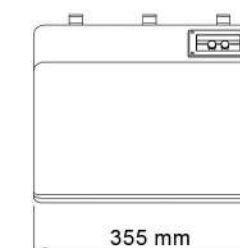
The mounting provisions of this speaker have been designed to suit a wide range of cinemas.



SIDE VIEW



FRONT VIEW



TOP VIEW

EW 2



FEATURES

- High dynamic SPL
- Low harmonic distortion
- Ultra high excursion limits
- High temperature stabilized 4" copper voice coil
- Waterproof cone with double sided treatment
- Deep bass

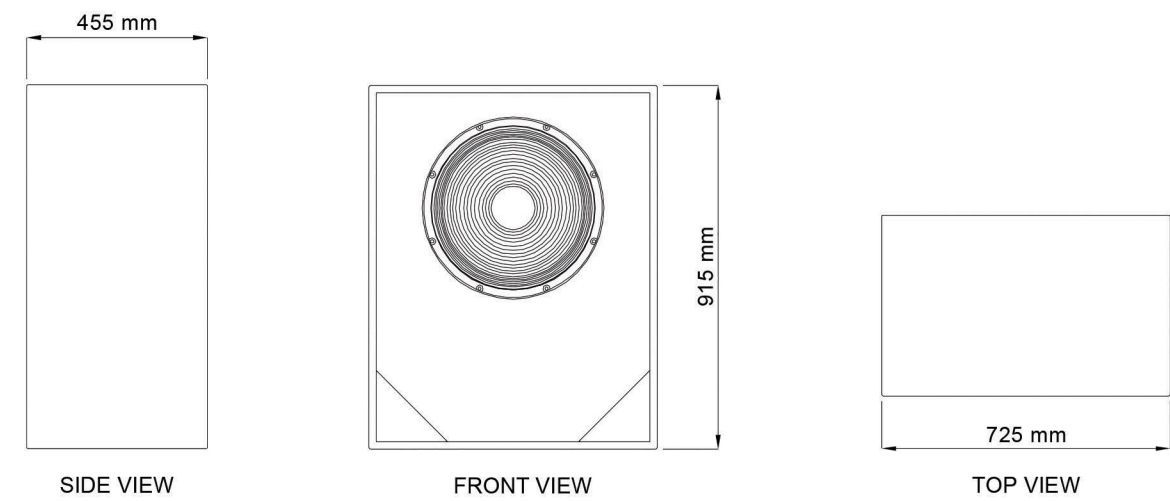
SPECIFICATIONS:

Frequency Response:	30Hz to 200Hz
Power Rating:	1000W AES, 4000W peak
Sensitivity:	98dB @ 1W/1m
Maximum SPL:	128dB continuous, 134dB peak @ 1m
Nominal Impedance:	8Ω
Transducers:	1 X 18" (455 mm) long throw weather resistant woofer
Finish:	Black impact resistant structured coating
Connector:	Push type binding post, cable upto 4 mm diameter
Enclosure:	18 mm MDF direct radiator vented enclosure
Subsonic Filter:	30Hz high pass 18dB/octave slope
Dimensions (H X W X D):	915 mm X 725 mm X 455 mm (36" X 28.5" X 18")
Net Weight:	60 kg (132 lb)
Packed Weight:	63 kg (139 lb)

The Pulz EW2 Subwoofer System has been specifically developed for playback of digital audio sound- tracks in prestigious cinema theatres where high quality and high SPL is a must. The system is capable of high power output, low distortion and smooth frequency response to the lowest audible frequencies.

The 18" driver is loaded in a direct radiator bass-reflex enclosure. It has a 4" high temperature stabilized voice coil for high power handling and reduced power compression. The specially treated cone is weather resistant and can withstand extremely severe climatic conditions. The large port area reduces turbulence at full power output and low frequencies.

The EW2 is recommended where no compromise low frequency effects and long term reliability are desired.



sound matters



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Pulz reserves the right to make changes in specifications without prior notice.