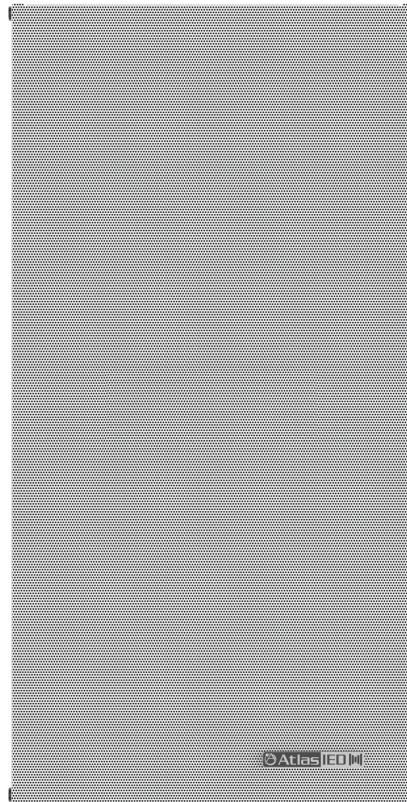


IP-12SYSP

Indoor 1' x 2' Suspended Ceiling Mount Passive Speaker



Features

- Fully Perforated Grille
- Direct Drive 8" Loudspeaker
- Wide Dispersion Angle for Large Coverage Area
- Durable Metal Backcan and Baffle
- IP-12SYSM Matching Industrial Design
- Metal Electrical Box for Cable Termination

General Description

The IP-12SYSP is an installer friendly 1' x 2' suspended ceiling mount passive speaker designed to be used with other powered IPX products. The IP-12SYSP is the perfect companion product to expand announcement and background music coverage in large spaces. With the same industrial design as the popular IP-12SYSM, mixed systems of passive and active speakers are now visually seamless.

Specifically designed as an accessory to the existing IPX products the IP-12SYSP is designed as an 8Ω only speaker avoiding the cost and complexity of traditional 70/100V speakers.

Applications

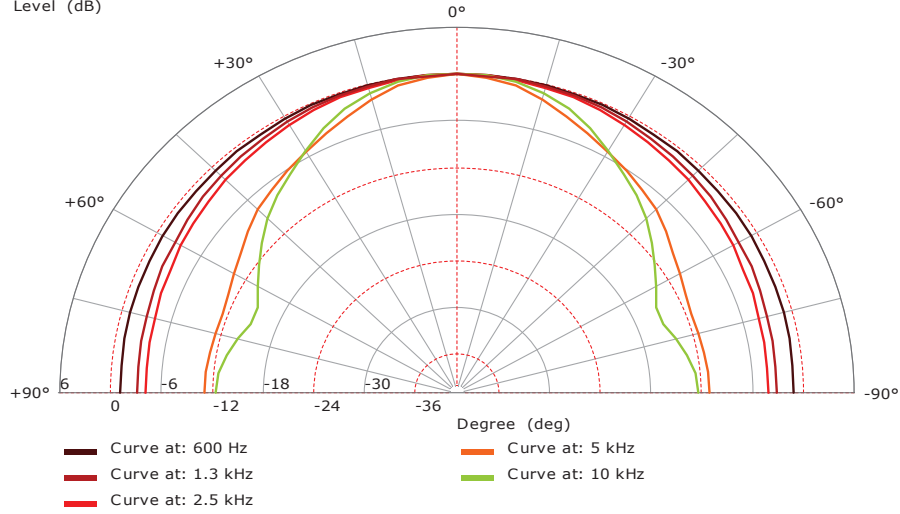
The IP-12SYSP is an accessory product to the PoE+ powered IPX products that can be used to increase audio coverage. By using the secondary speaker output of an active IPX the IP-12SYSP acts as a direct extension of the IPX. Beyond IPX the IP-12SYSP can be used in applications where low impedance (8Ω) speakers are needed and the complexity of 70/100V wiring is unwanted.

The IP-12SYSP is a great option for but is not limited to school, corporate, governmental, house of worship, and light commercial installations.

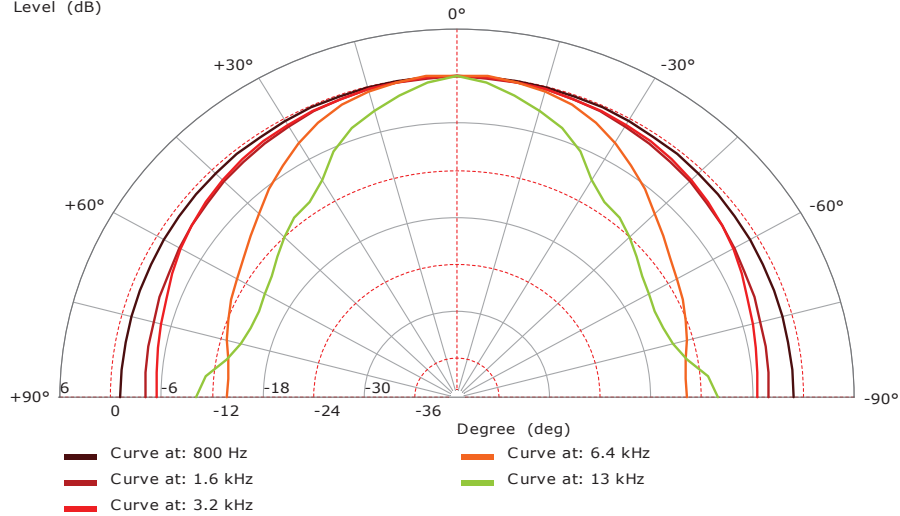
System	
Type	Indoor 1' x 2' Suspended Ceiling Mount Passive Speaker
Acoustical	
Frequency Response (-10dB)	110Hz - 6kHz
Sensitivity (1W/1m Half Space)	95dB SPL
Maximum SPL @ 1m	105dB SPL Calculated
Dispersion Angle (Vertical)	130°
Dispersion Angle (Horizontal)	120°
Mechanical	
Grille Material	STL 0.8mm PERF -> PERF Pattern = 1.60mm X 3.4mm Pitch
Grille Color	RAL 9016 Traffic White, Atlas White
Baffle Material	1mm CRS
Backcan Color	RAL 9017 Traffic Black, IED Black
Connector Type	22 GA. DQSK Bare Wire Leads
Product Dimensions (HxWxD)	5.01" x 23.69" x 12.10" (127mm x 602mm x 307mm)
Shipping Dimensions (HxWxD)	8.75" x 27.44" x 16.25" (222mm x 697mm x 413mm)
Net Weight - lbs	9.25 lbs (4.20kg)
Shipping Weight - lbs	13.4 lbs (6.09kg)
Agency Approvals	
UL 2043	Yes
UL 1480A	Yes
Warranty Coverage	
Warranty Period	1 Year

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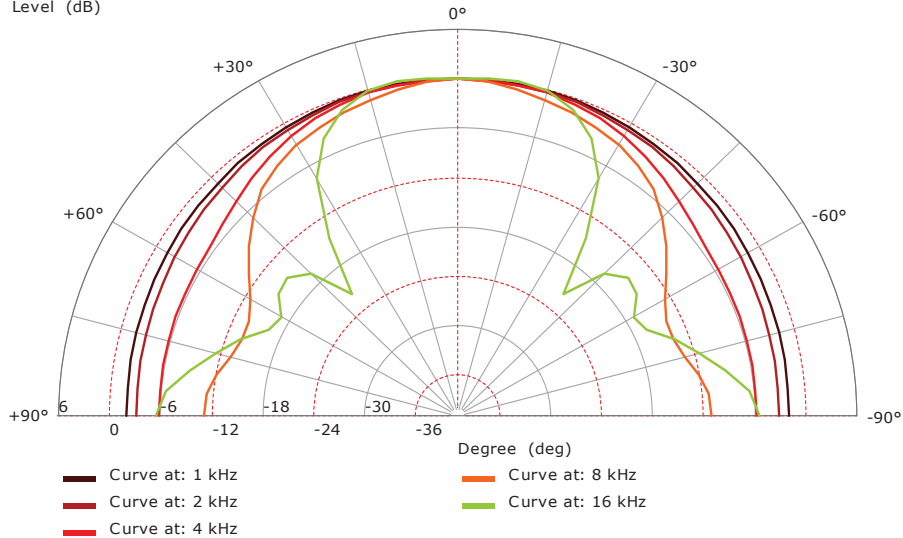
Normalized to OnAxis Polars 600Hz Octaves
Level (dB)

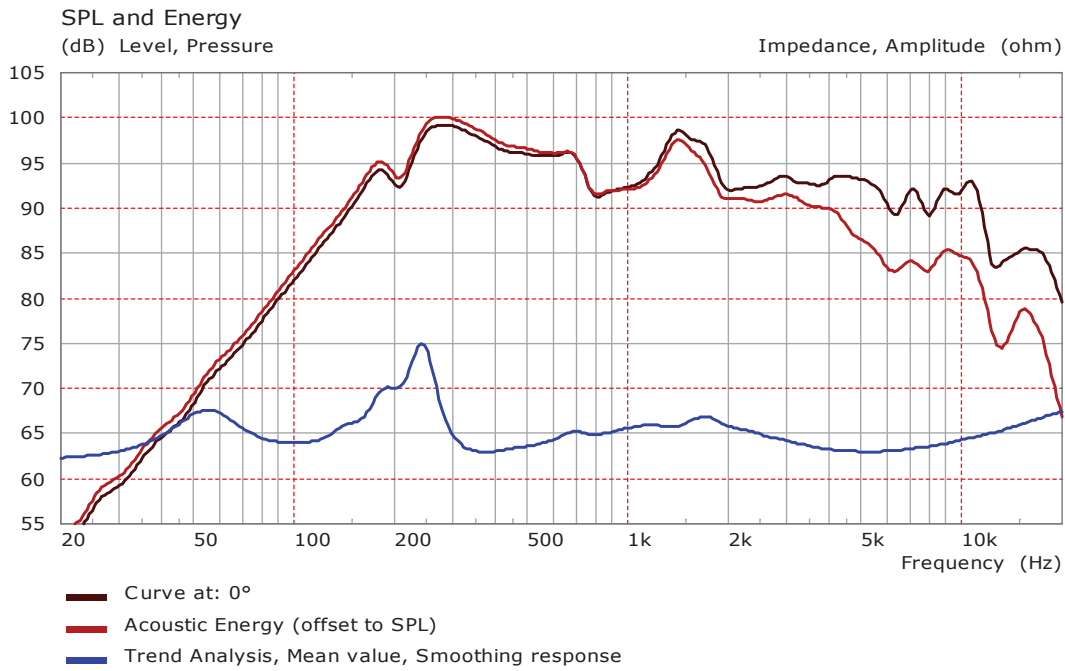
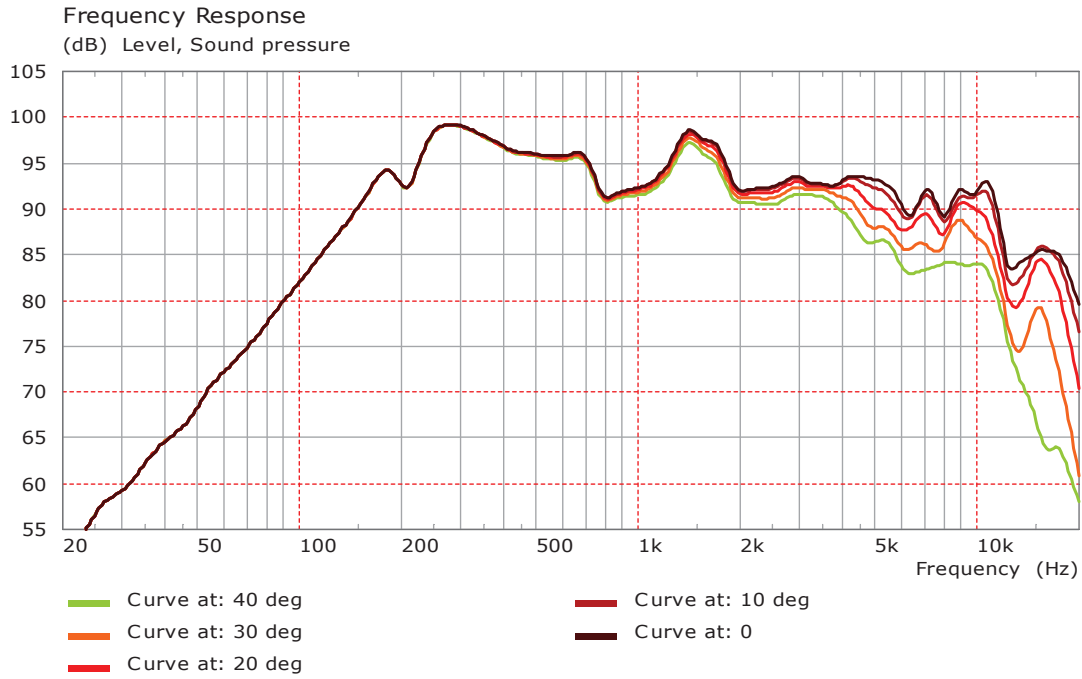


Normalized to OnAxis Polars 800Hz Octaves
Level (dB)

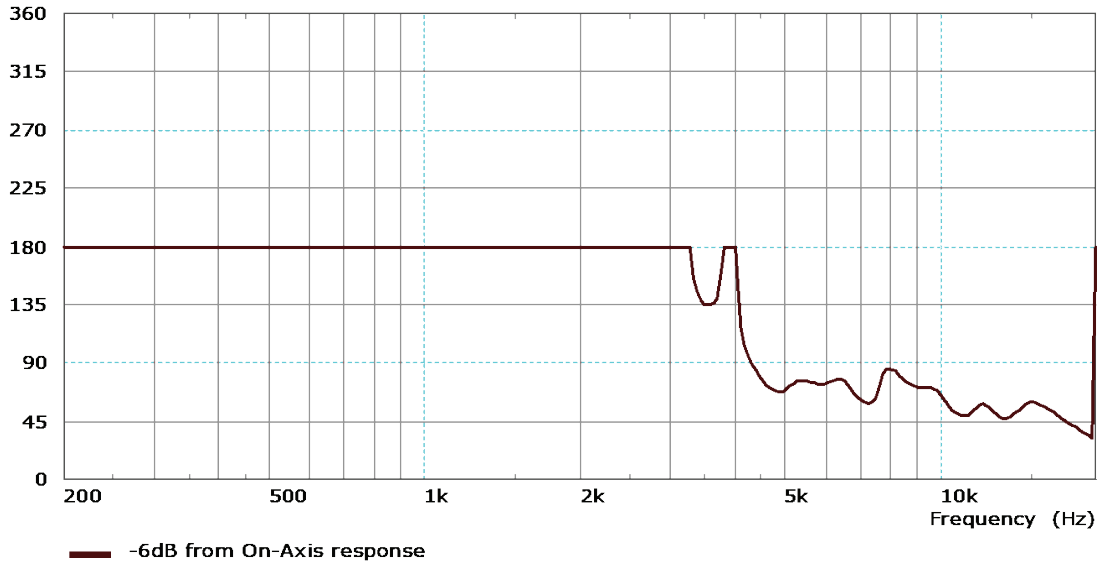


Normalized to OnAxis Polars 1kHz Octaves
Level (dB)

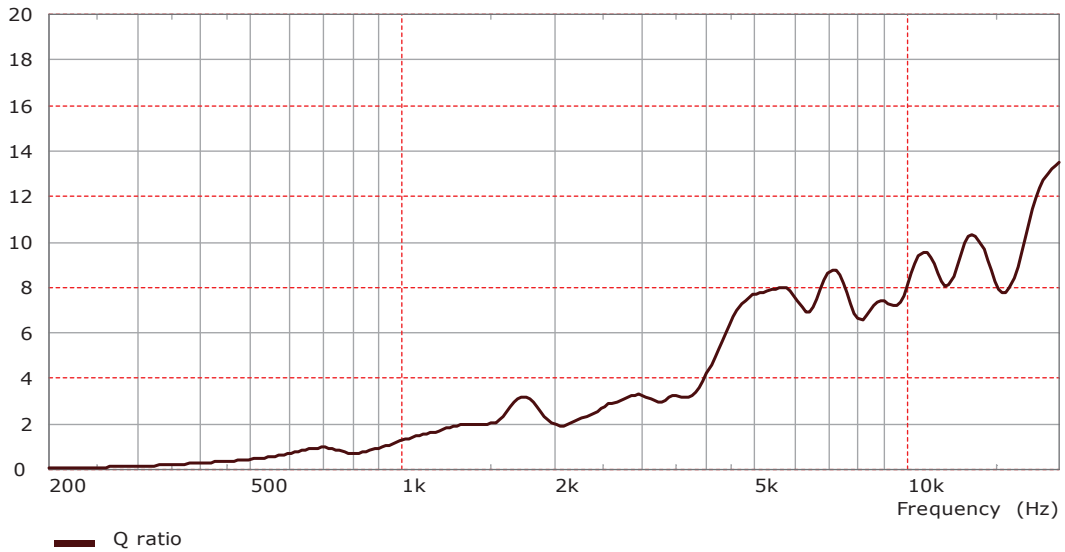




Beamwidth
(deg) Amplitude, Degree

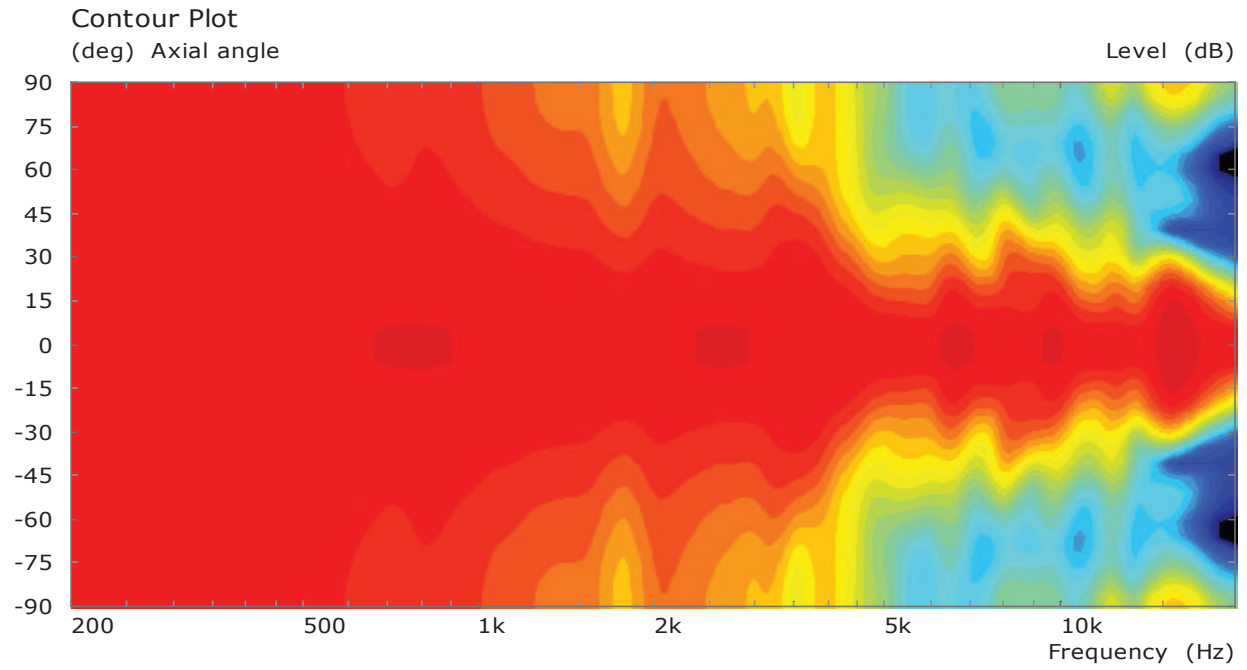


Directivity Index
(dB) Level, Sound power

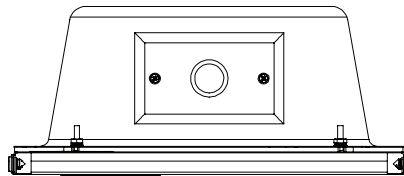
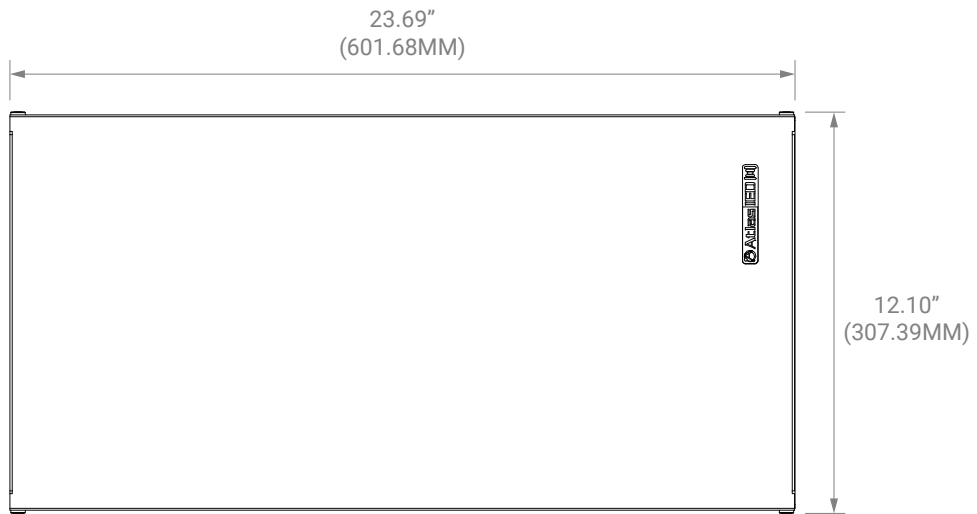
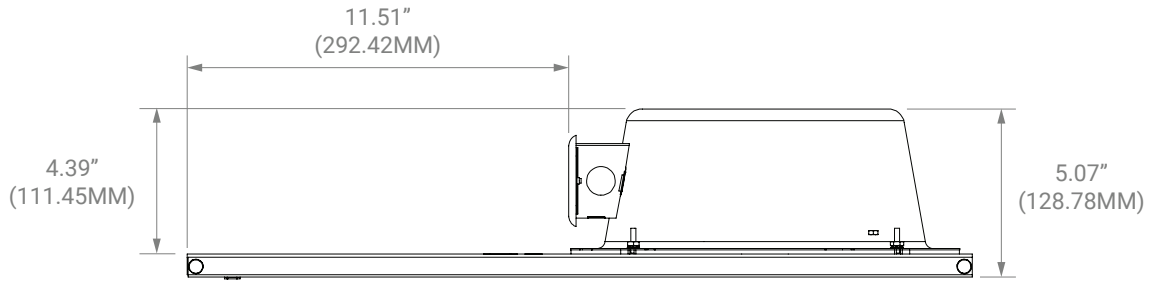


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Dimensional Drawings



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Architect & Engineer Specifications

The unit shall be AtlasIED model IP-12SYSP. The 1' x 2' suspended tile speaker shall include fully perforated grille, metal baffle, and metal backcan. The speaker shall be an 8" dual cone speaker type. The frequency response shall be 110Hz - 6kHz (-10dB). The dispersion angle shall be a minimum of 120 degrees. The maximum SPL shall be 105dB SPL (calculated). The sensitivity shall be 95dB SPL (1W/1m). The power rating for the speaker shall be a minimum of 15W RMS. The unit shall be certified to both UL 2043 and UL 1480A standards. The unit shall have external dimensions of 5.01" x 23.69" x 12.10" (HxWxD).

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