

Christie S118 Subwoofer



Compact and powerful low frequency effects

The Christie® S118 subwoofer combines one 18" driver with a dual 4" voice coil and long linear excursion with an advanced cabinet design. The extra-large, heavily cross-braced cabinet is tuned to 23Hz with EBS (Extended Bass Shelf). This allows the Christie S118 to deliver powerful, deep bass with minimal distortion and power compression for extremely high output levels and extended low frequency response.

Key features

1 x 18" low frequency driver

Maximum sound pressure levels (SPL):
127dB continuous, 139dB peak @ 1m

Maximum power handling:
1000W (AES) continuous,
2000W (IEC) short term

Extended low frequency response,
with bandwidth of 20-250Hz @ -10dB

High cubic displacement cabinet,
heavily cross-braced, ported and
tuned to 23Hz

Extra large port area with rounded
edges for minimal air turbulence noise

Limited 5-year warranty

CHRISTIE®
VIVE AUDIO

Accurate LFE sound

The Christie S118 produces sound pressure levels (SPL) of 127dB continuous, 139dB SPL peak @ 1 meter, with power handling of 1000W continuous, 2000W short term and bandwidth of 20-250Hz @ -10dB. This makes it ideal for the accurate reproduction of Low Frequency Effects (LFE) channel content.



Specifications

| | |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System type | • Subwoofer, ported enclosure, with EBS (Extended Bass Shelf) tuning |
| Driver components | • 18" low frequency driver with dual 4" voice coils and long linear excursion |
| Crossover | • External active electronic bandpass filter • High pass: Butterworth 24dB/octave @ 20Hz • Low pass: Bessel 24dB/octave @ 249Hz |
| Frequency response¹ | • 20-250Hz @ -10dB • 24-200Hz @ -6dB |
| Maximum SPL^{2,3} | • 127dB SPL continuous • 139dB SPL peak |
| Sensitivity¹, 1W/1m | • 97dB (40-150Hz) |
| Power handling^{2,3} | • 1000W (AES) continuous • 2000W (IEC) short term |
| Recommended amplifier power | • 825-1150W (FTC) @ 8 ohms |
| Rated impedance | • 8 ohms |
| Input connectors | • Screw terminal barrier strip |
| Enclosure | • Premium MDF cabinet • High cubic displacement • Heavily cross-braced, for minimal enclosure resonance • Ported and tuned to 23Hz with EBS • Two built-in handles |
| Mounting | • Secured to floor or platform using suitable lag bolts as required • Not to be flown |
| Dimensions | • (LxWxH) 24.0 x 30.2 x 26.0" (608 x 768 x 659mm) |
| Net weight | • 115lbs (52kg) |
| Warranty | • Limited 5-year warranty |

¹ Measured at 2m, ground plane conditions.

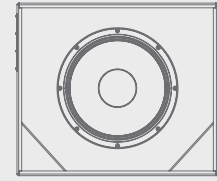
² AES refers to AES2-2012 standard. Pink noise with 6dB crest factor at 1m.

Max continuous SPL calculated based on sensitivity and AES power handling.

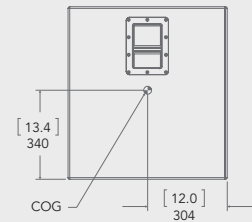
³ IEC refers to IEC 60268-5 standard. IEC pink noise with 9dB peak factor.

Maximum peak SPL calculated using peak voltage during IEC short-term power test.

Front view



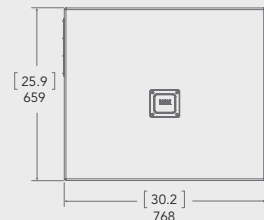
Side view



Top view



Back view



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