AC599

2-Way Full-Range Loudspeaker System with 1 x 15" LF

Key Features:

- Robust 15mm enclosure with black textured finish
- 384 mm (15 in) LF transducer
- 90° x 90° Waveguide with a 25 mm (1 in) exit 35mm (1.5") voice-coil compression driver
- Dual Neutrik NL4 connectors plus screw terminals
- Multiple attachment points for ultimate flexibility



Applications:

- Performing Spaces
- Clubs & Bars
- Houses of Worship
- Multi Media Spaces
- Retail & Hospitality Spaces
- Presentation Suites
- Educational Facilities

AC599 is a compact 2-way full-range loudspeaker system comprised of one 384 mm (15 in) low frequency driver and one 25 mm (1 in) exit/35 mm (1.5 in) voice-coil compression driver. The horn provides 90° by 90° coverage in vertical and horizontal orientation. High-slope passive crossovers minimize band overlap and well-controlled offaxis response.

The cabinet is fitted with M10 threaded suspension points. Four threaded inserts located on back of the enclosure allow attachment of a MultiMount® or similar type mounting.

AC599 is part of JBL's AE Application Engineered Series, a versatile family of loudspeakers for a wide variety of fixed installation applications.

Specifications:

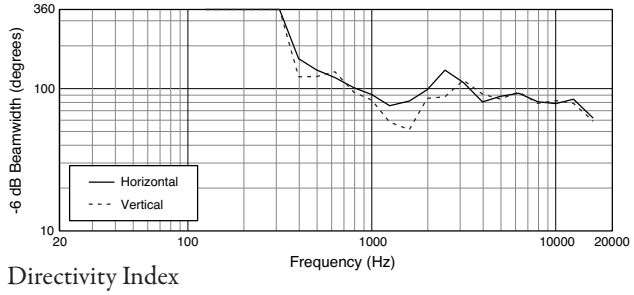
System:	
Frequency Range (-10 dB)[1]:	60 Hz - 20 kHz
Frequency Response (±3 dB)[1]:	75 Hz - 18kHz
System Sensitivity (1w @ 1m)[1]:	98 dB
Nominal Impedance:	8 ohms
Maximum SPL(1m)[2]:	122 dB (128 dB peak)
Long-Term System Power Rating (IEC)[3]:	250W/500W/1000W (Continuous/Program/Peak)
2 hr Power Rating[4]: System Power Rating (AES):	350W (1400W peak), 2 hrs
Coverage Pattern:	90° x 90° (H x V)
Crossover:	1.5 kHz
Transducers:	
Low frequency driver:	1 x 15" woofer (P/N: 5053935), 384 mm (15 in) driver with 66 mm (2.5 in) voice-coil
High frequency driver:	1 x 2408H-2 driver with 25 mm (1 in) exit/35 mm (1.5 in) voice-coil
Physical:	
Input Connector:	Dual Neutrik NL4MP connectors plus covered barrier trip terminals
Enclosure:	15 mm multi-ply hardwood plywood
Grille:	Powder coated, 1.5mm perforated steel, with acoustically transparent black foam backing
Finish:	Textured black paint finish. White (-WH) available upon request. Not available with WRC & WRX finish.
Suspension / Mounting:	14 x M10 and 4 x M10 for Wall Mount Bracket. Optional U-bracket, overhead suspension bracket, and wall-mount bracket

JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

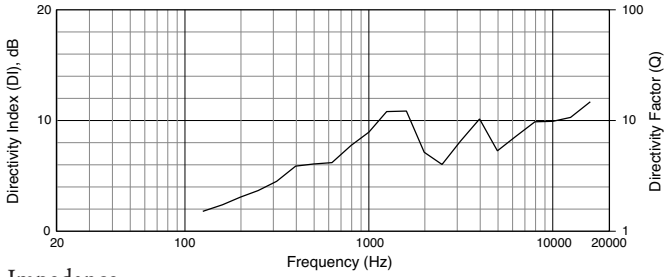
1 Full space (4π) conditions
2 Calculated maximum SPL based on rated power handling
3. IEC shaped pink noise with 6dB CF for 100hrs
4 AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plus long-term 100 hr rating are specified for low-frequency transducers.

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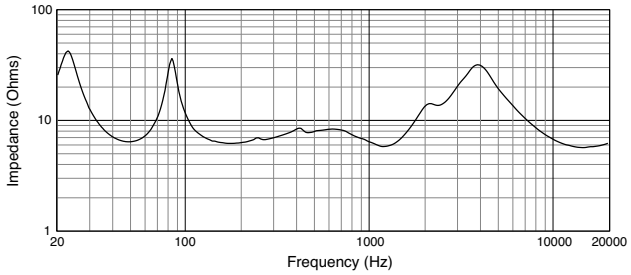
Beamwidth



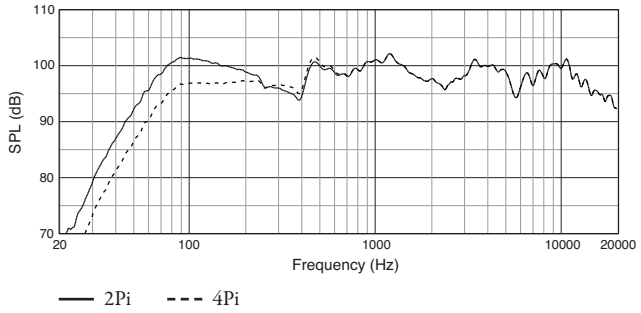
Directivity Index



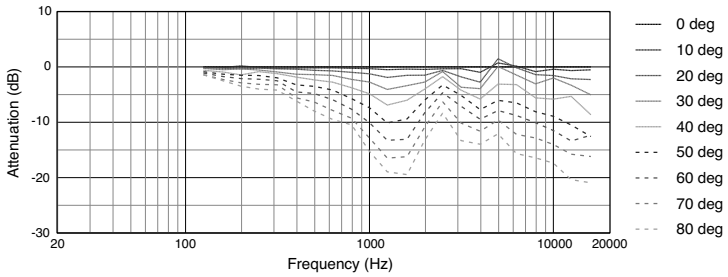
Impedance



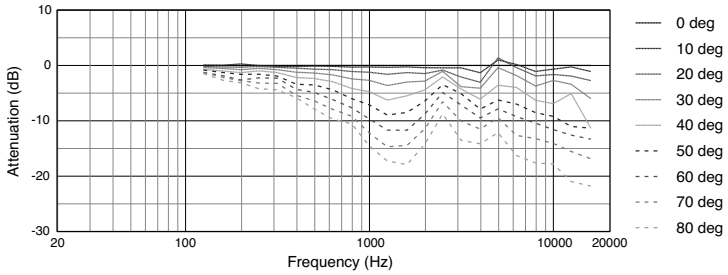
Frequency Response, 1W/1M



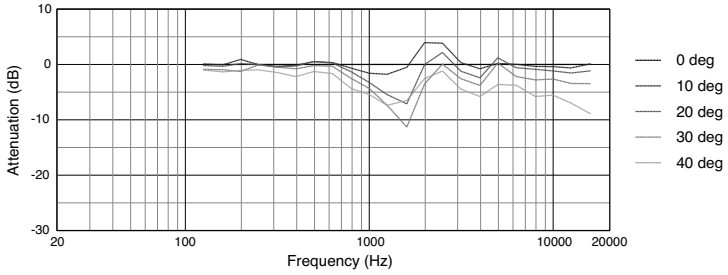
Horizontal Left Off-Axis Frequency Response



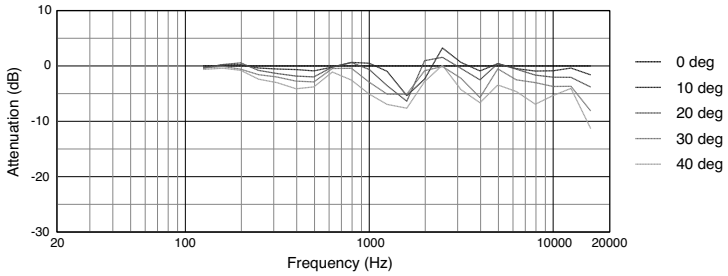
Horizontal Right Off-Axis Frequency Response



Vertical Up Off-Axis Frequency Response

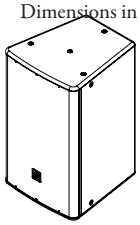


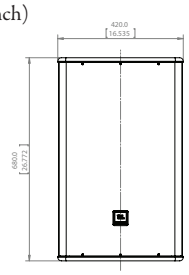
Vertical Down Off-Axis Frequency Response

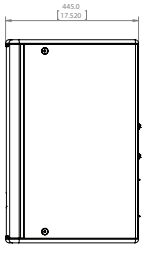


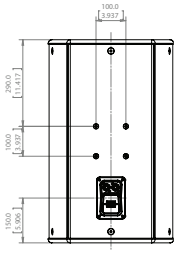
Dimensions:

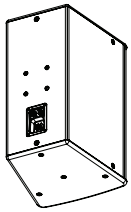
Dimensions in mm (inch)

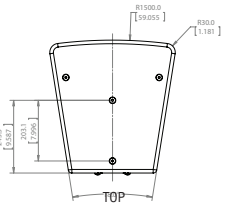












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