



## AcousticPerformance™ Series

### AP-4122m

High power coaxial installation  
loudspeaker

#### Features

- DMT™ (Directivity Matched Transition) ensures smooth, coherent power response across the listening plane
- 90 degree conical coverage matches the natural coverage of the 12-inch woofer at the crossover point for consistent power response
- Coaxial mounted 1.75-inch voice coil compression driver for outstanding high-frequency performance
- Multipurpose deployments - dual angle monitor, flown, yoke, or pole
- Clean industrial design with unadorned grilles compliment most decors and settings
- Two NL4 Speakon™ connectors for input and pass thru
- 15mm Baltic birch plywood construction
- 16-Gauge powder coated steel grilles
- Available in black (RAL 9011)
- Complete EASE, CF2, CAD & BIM information available at [qsc.com](http://qsc.com)



## Stage Monitors · Performance Spaces · Worship Facilities · Dance/Night Clubs · Sports Facilities · Themed Entertainment · Production

The QSC AcousticPerformance™ AP-4122m is a professional, two-way, fullrange loudspeaker ideal for a variety of portable and installed sound reinforcement applications requiring high power, wide coverage and compact size. The AP-4122m uses a 305mm (12-inch) woofer with 64mm (2.5-inch) voice-coil and a coaxially mounted high power-capacity, 44mm (1.75-inch) voice coil compression driver to deliver exceptional full bandwidth reproduction.

The uniform power-response of the AP-4122m is a result of DMT™ (Directivity Matched Transition), a design philosophy which matches the HF waveguide to the natural conical coverage of the woofer at the cross-over point. The result is a remarkably consistent coverage with smooth, accurate reproduction both on and off-axis.

To further enhance system performance and speed of install with optimum result, proprietary Intrinsic Correction™ tunings are obtainable via Q-SYS networked audio processing platforms, including CXD and PLD amplifiers for a complete QSC systems solution.

The AP-4122m enclosure is of 15mm Baltic Birch plywood construction, designed for versatile deployments. The multipurpose enclosure features both 60° and 40° angles for use as floor monitors, M10 mounting points for suspension via eye-bolts or optional yoke bracket, top handle, and a tilt direct pole cup.

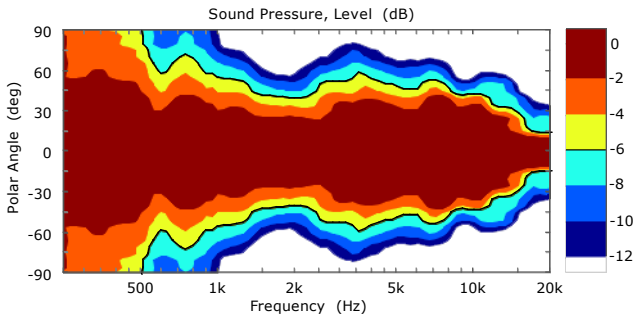
Presenting a clean, unobtrusive look, AcousticPerformance grilles are unadorned eliminating the need to cover-up logo treatments which can be difficult to hide or remove. The grille is lined with acoustically transparent backing to maintain the enclosure's professional appearance. The AP-4122m is available in black (RAL 9011) finish.

The recessed input cup features two NL4 connectors for convenient input and pass through.

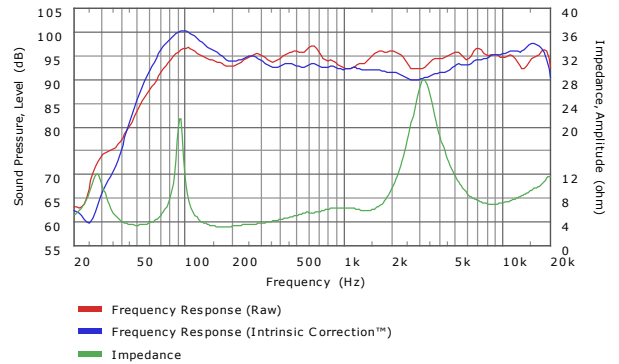
To assist in successful systems integration, complete EASE, CF2, CAD, and BIM files are available for online download at [qsc.com](http://qsc.com).

# AP-4122m Details

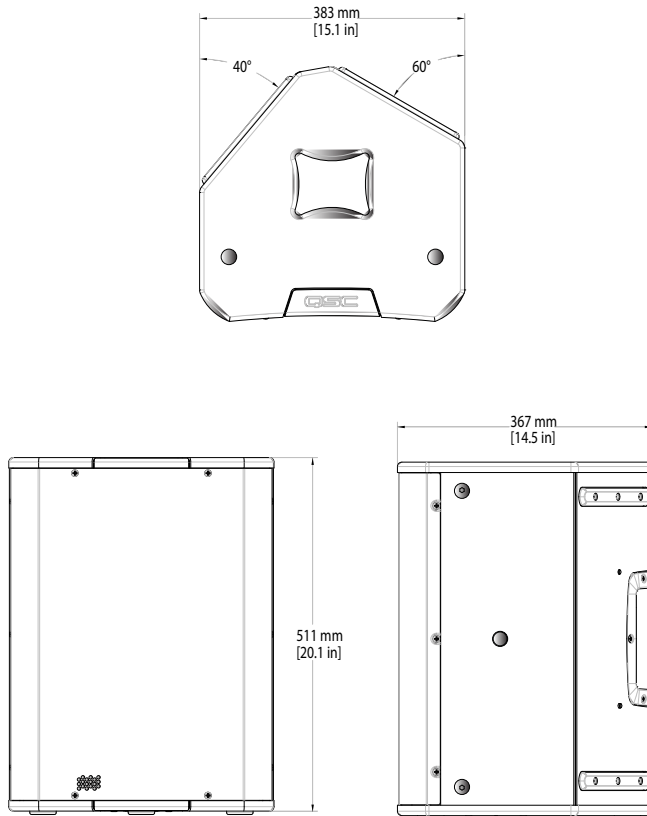
## Contour:



## Impedance / Frequency Response:



## Dimensions:



## Specifications:

System Details	AP-4122m
Effective Frequency Range <sup>(1)</sup>	55Hz – 20kHz
Rated Noise Power / Voltage <sup>(2)</sup>	325W / 36V continuous
System Sensitivity <sup>(3)</sup>	96dB, 1W @ 1m
Coverage Angle	90° Conical DMT
Directivity Factor (Q)	6.3
Directivity Index (DI)	8.0
Maximum Rated SPL <sup>(4)</sup>	121dB @1m, continuous <sup>3</sup> 127dB @1m, peak <sup>4</sup>
Rated Impedance	4Ω
HF Transducer	25 mm [1 in] compression driver 45 mm [1.75 in] voice-coil
LF Transducer	305 mm [12 in] weather resistant cone woofer 64 mm [2.5 in] voice-coil
Optional Accessories	AP-YM12m Yoke mount, M10 Kit-W eye bolt
Enclosure Details	
Input Connector	2x NL4 in parallel, 2+/- thru
Enclosure Material	15mm Baltic birch plywood
Attachment Points	11x M10 threaded inserts
Color	Black (RAL 9011)
Grille	1.65mm [16 Gauge] powder coated steel
Dimensions (HxWxD)	511 x 383 x 367 mm [20.1 x 15.1 x 14.5 in]
Net Weight	18.1 kg [39.7 lb]
Shipping Carton Dimensions (HxWxD)	570 x 505 x 495 mm [22.5 x 19.8 x 19.4 in]
Shipping Weight	21.3 kg [46.7 lb]

<sup>(1)</sup> Free-field, -10dB from on-axis sensitivity

<sup>(2)</sup> AES2-1984 noise signal for 2 hours

<sup>(3)</sup> Free-field, on-axis, 1W, 1m

<sup>(4)</sup> Calculated from rated noise voltage and sensitivity

*Specifications are subject to change without notice.*

# QSC™

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AP-4122m Spec Sheet 10/28/2015

