AcousticDesign™ Series
AD-S12

Small format, surface mount loudspeaker

X-Mount™ (included)

Features

- DMT™ (Directivity Matched Transition) ensures smooth, uniform frequency response over the coverage area
- X-Mount™ system enables the loudspeaker to be easily installed and deployed at a variety of angles with no slippage over time
- Advanced voicing filter sets using QSC Intrinsic Correction™, available through either Q-Sys processing or CXD amplifier platforms
- Lightweight ABS enclosures offer long-term durability and lasting good looks
- Sealed input panel cover and powder coated aluminum grilles for added weather resistance
- Meets IEC60529 IP-54 for dust and splash resistance
- M10 fittings for optional yoke mount or suspended installations
- Available in black (RAL 9011) or white (RAL 9010)
- Complete EASE, CAD & BIM information available online

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The QSC AcousticDesign™ AD-S12 is a surface mounted low impedance, 12” two-way loudspeaker system, ideally suited for a wide variety of foreground and background sound reinforcement applications.

AcousticDesign™ series offers integrators a premium quality installed sound solution where performance, coverage, and aesthetics are paramount. Combined with unprecedented ease-of-installation and high weather resistance, the AcousticDesign™ series provides integrators a versatile and confident install solution.

The AD-S12 features a high quality 12" weather treated paper cone woofer on a 2.5" voice coil. A carefully selected 1” exit, 1.4" compression driver perfectly matches the sensitivity and performance of the woofer for outstanding full-range reproduction.

Consistent and even 75° axisymmetric (conical) coverage is achieved through DMT™ (Directivity Matched Transition), a QSC innovation which matches the directivity patterns of the woofer and the high-frequency waveguide at the crossover point. The result is a coherent transition between transducers and improved off-axis response.

With rugged ABS enclosures, sealed input panel covers, and powder-coated aluminum grilles for weather resistance, the AcousticDesign™ surface mounted series exceed IEC60529 IP-54 ratings for dust and splash resistance.

Installers will appreciate the award-winning X-Mount™ system included with each full-range AcousticDesign™ model. This ingenious mounting solution achieves unprecedented ease-of-installation in horizontal, vertical, wall, or ceiling deployments. Knurled surfaces at the pivot planes ensure the load will not drift or sag over time. Articulation marks allow preconfiguration of the X-Mount™ while on the ground with no special tools required. Once secure, the loudspeaker installs in seconds, allowing the installer to work safer, smarter, and faster with repeatable results.

The AD-S12 also includes M10 fittings for optional yoke mount (YMS12) or shoulder eybolt (M10 Kit-C) accessories for installation versatility.

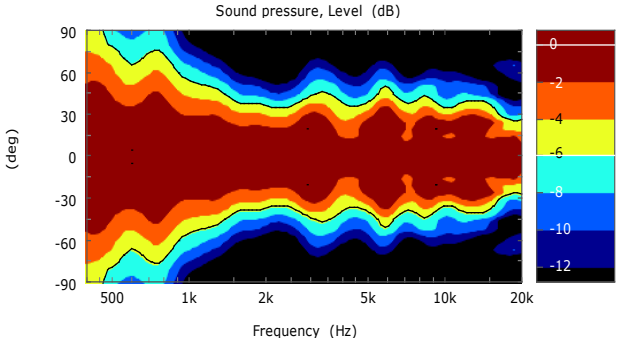
To further enhance performance and speed of install with optimum result, advanced voicing filter sets using QSC Intrinsic Correction™ techniques are obtainable using Q-Sys networked audio processing platforms, including CXD amplifiers for a complete QSC systems solution.

The AcousticDesign™ series feature a stylish appearance free of obtrusive logo adornments for aesthetically sensitive installations. AcousticDesign™ surface loudspeakers are available in QSC standard black (RAL 9011) or white (RAL 9010) and may be painted to match any decor.

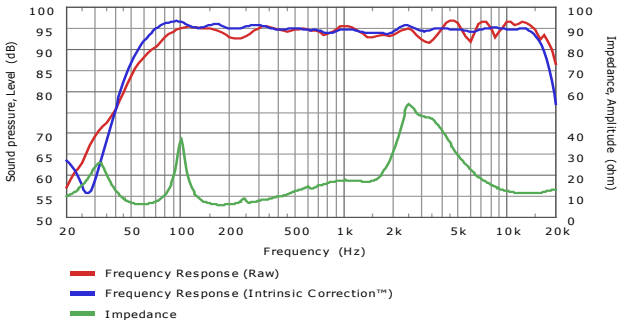
To assist in successful systems integration, complete EASE, CAD, and BIM files are available for online download at QSC.com.

AD-S12 Details

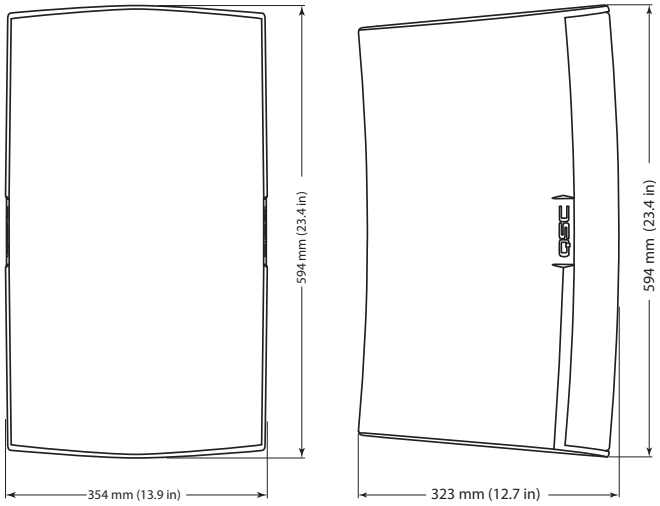
Horizontal Contour:

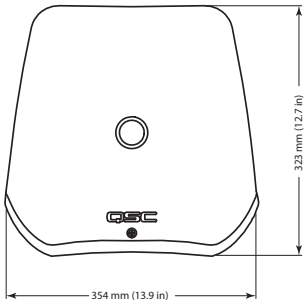


Impedance / Frequence Response:



Dimensions:





Specifications:

System Details	AD-S12
Effective frequency range[1]	52 – 20k Hz
Rated noise power / voltage[2]	300 watts / 50 volts (rms)
Broad-band sensitivity[3]	95 dB SPL
Coverage angle (-6 dB)	75°
Directivity factor (Q)	12
Directivity Index	11 dB
Maximum continuous SPL[4]	120 dB
Maximum peak SPL[4]	126 dB
Rated impedance	8 ohms
Recommended amplifier power	600 watts
HF transducer	1” exit / 1.4” voice-coil compression driver
LF transducer	12” weather resistant paper cone woofer, 2.5” / 64 mm voice-coil
Input connector type	Euroblock connector with parallel output
Enclosure material	Painted ABS polymer
Grille material	Powder coated aluminum
X-Mount material	Powder coated aluminum
Enclosure Details	
Ingress protection	IP-54
Operating environment	Designed for indoor and outdoor use
Testing	The AD Series loudspeakers qualified for outdoor use using the following tests: Salt fog: MIL-STD-810G Method 509.5 for 100 hrs. Humidity: MIL-STD-810G Method 507.5, Natural cycle B2, cyclic high RH for 7 days High and low temperature: tested to QSC internal standards between -20° and 50° C
Operating Temperature Range	-20 to 50 °C / -4 to 122 °F
Net weight	35.2 lb / 16 kg
Product dimensions	23.4” x 13.9” x 12.7” (594 x 354 x 323 mm)
Shipping weight	46.3 lb / 21 kg
Shipping dimensions	34.5” x 17.9” X 17.2” (765 x 455 x 437 mm)
Included accessories	X-Mount mounting system, euroblock connector, input panel cover
Optional accessories	YMS12 yoke mount, M10 Kit-C

[1] Free-field, -10 dB from on-axis sensitivity
[2] IEC60268-1 noise signal for 2 hours
[3] On-Axis, free-field sensitivity, 2.83V, 1 m
[4] Calculated from rated noise voltage and sensitivity

As part of QSC’s ongoing commitment to product development, specifications are subject to change without notice.

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