AcousticDesign™ Series
S8T | S10T | S12

Small format, surface mount loudspeakers



S8T S12 S10T

Restaurant / Retail · Audio Visual · Education · Healthcare Facilities · Casinos · Office · Worship Facilities · Ancillary Support in Larger Systems

Features

- DMT™ (Directivity Matched Transition) ensures smooth, uniform frequency response over the coverage area
- Patent pending X-Mount™ enables the loudspeaker to be easily installed and deployed at a variety of angles without slipping over time
- Optional yoke mount and M10 Kit-C eyebolt kit offers additional loudspeaker deployment options
- Euroblock connectors allows pre-wiring of the system
- Low saturation 70/100V transformers with 8 ohm bypass (S8T and S10T only)
- 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
- Available in black (RAL 9011) or white (RAL 9010)
- Complete EASE, CAD & BIM information available online

QSC's AcousticDesign™ S8T, S10T and S12 surface mount loudspeakers are professional, 70/100V, two-way, full-range systems ideal for a wide variety of foreground and background sound reinforcement applications. Ease-of-installation is the driving principle behind QSC's next generation of small format, surface mount loudspeakers. Innovations found on AD-S loudspeakers enable designers and integrators to quickly and easily specify and install a system. AD-S loudspeakers are also a perfect solution to serve ancillary loudspeaker needs as part of a larger installed sound system.

Housed in rugged ABS enclosures for long-term durability, S8T, S10T and S12 loudspeakers employ DMT™ (Directivity Matched Transition) which matches the LF and HF coverage at the crossover point. This ensures even coverage across the listening plane for smooth, coherent audio reproduction. The 1.4in diaphragm, 1in exit compression driver on the S8T, S10T and S12 delivers crisp, detailed high-frequency reproduction and when combined with the matched woofers, provides full bandwidth reproduction. To further enhance performance, tunings using QSC Intrinsic Correction techniques are available for Q-Sys and future QSC amplifiers. Moreover, the low saturation transformers offer premium performance on 70/100V distributed audio lines.

Installers will appreciate flexible mounting options. Euroblock connectors allow pre-wiring of the system and the included X-Mount hardware enables the installer to mount the bracket and then simply lift the loudspeaker onto the mount and lock it into place. Moreover, the loudspeaker can attach to its mount on any plane to facilitate multiple deployment configurations.

AD-S loudspeakers can easily be mounted to any weight bearing, flat surface. Knurled surfaces on the mount's pivot points ensure that the loudspeaker deployment angle stays fixed and will not slip over time. No special tools are required to install or adjust the loudspeaker angle. S8T, S10T and 12 models also feature M10 installation points for suspending the loudspeaker via eye-bolts as well as mounting points for an optional yoke bracket.

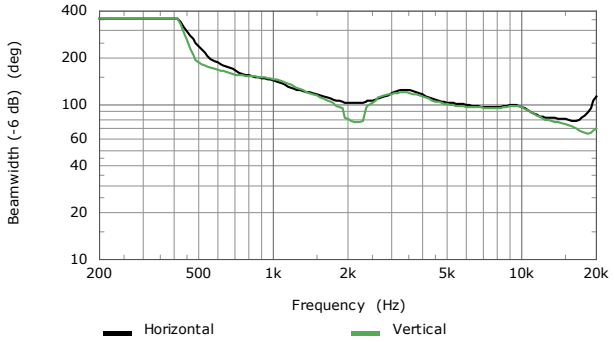
S8T, S10T and S12 loudspeakers meet IEC60529 IP-54 for dust and splash resistance and feature sealed input panels and powder coated aluminum grilles for added weather resistance.

Presenting a clean, unobtrusive look, AD-S grilles are unadorned eliminating the need to cover obtrusive logo treatments. AD-S loudspeakers are available in either black (RAL 9011) or white (RAL 9010) and may be painted to match any décor.

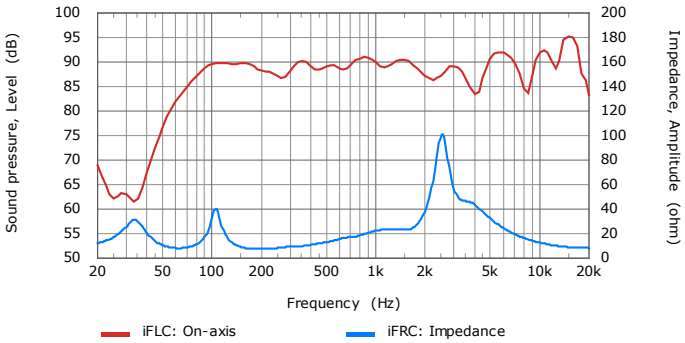
To minimize impact and disposal fees at the job site, all AD-S loudspeakers are packaged in environmentally friendly, recyclable cartons.

S8T Details

Beamwidth:

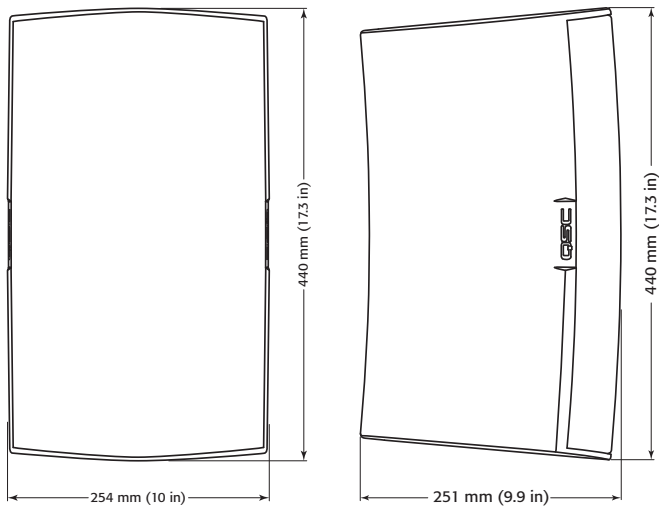


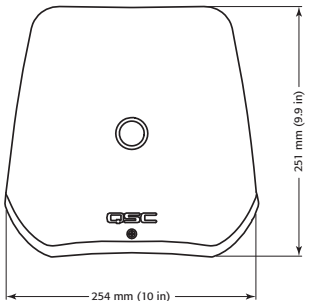
Impedance / Frequence Response:



Directivity Index and Q, Horizontal Off-Axis Frequency Response, Vertical Off-Axis Frequency Response available from the QSC website.

Dimensions:





S8T Specifications:

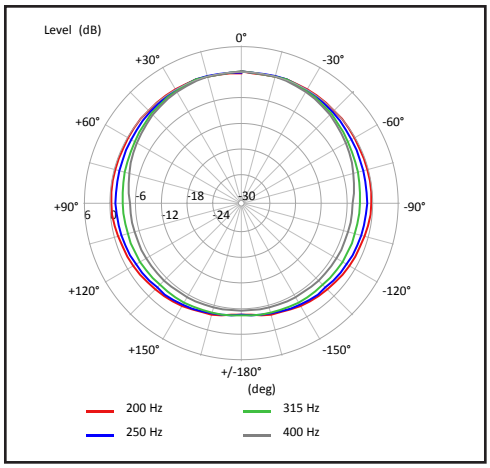
System Details	**AD-S8T**
Effective frequency range[1]	55 – 20k Hz
Rated noise power / voltage[2]	200 watts / 40 volts (rms)
Broad-band sensitivity[3]	90 dB SPL
Coverage angle (-6 dB)	105°
Directivity factor (Q)	7
Directivity Index	9 dB
Maximum continuous SPL[4]	113 dB
Maximum peak SPL[4]	119 dB
Rated impedance	8 ohms
Recommended amplifier power	400 watts
Transformer taps	70 V: 60, 30, 15, 7.5 watts and 8 ohm bypass 100V: 60, 30, 15 watts and 8 ohm bypass
HF transducer	1" exit / 1.4" voice-coil compression driver
LF transducer	8" weather resistant paper cone woofer, 2" / 51mm voice-coil
Input connector type	Euroblock connector with parallel output terminals
Enclosure material	Painted ABS polymer
Grille 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 according to QSC internal standards between -20° and 50° C
Operating Temperature Range	-20 to 50 °C / -4 to 122 °F
Net weight	24.1 lbs / 11 kg
Product dimensions	17.3" x 10" x 9.9" (440 x 254 x 251mm)
Shipping weight	32.1 lbs / 14.5 kg
Shipping dimensions	24.3 x 13.8" X 13.8" (729 x 351 x 351mm)
Included accessories	X-Mount mounting system, euroblock connector, input panel cover
Optional accessories	YMS8T yoke mount, M10 Kit-C

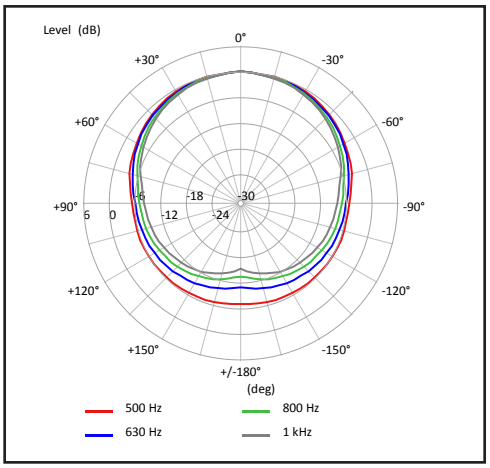
[1] Free-field, -10 dB from on-axis sensitivity
[2] IEC60268-1 noise signal for 2 Hrs
[3] On-Axis, free-field sensitivity, 2.83V, 1 m
[4] Calculated from rated noise voltage and sensitivity

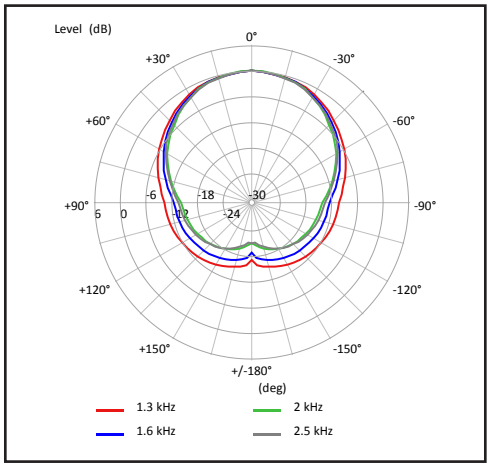
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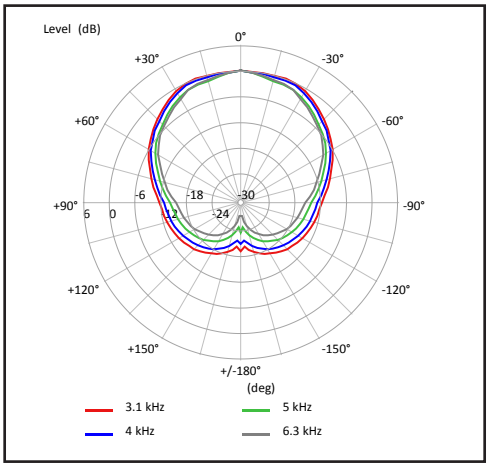
S8T Polars

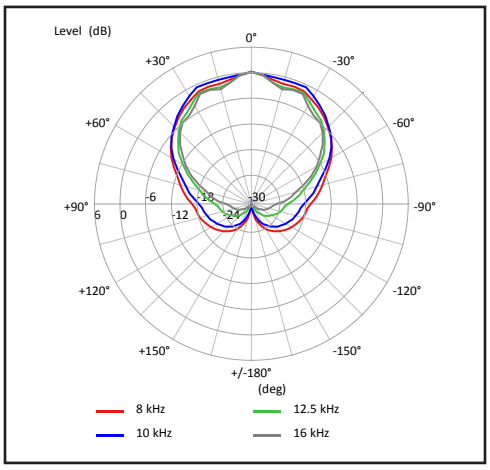
Horizontal





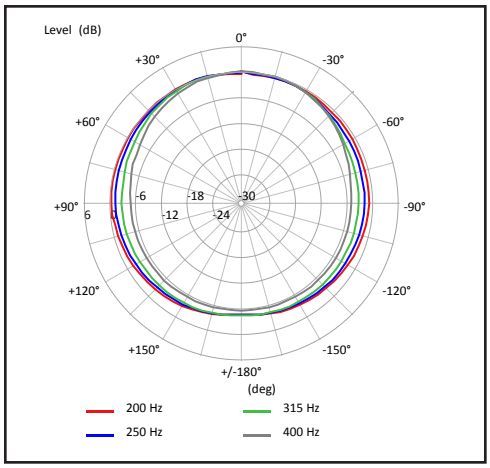


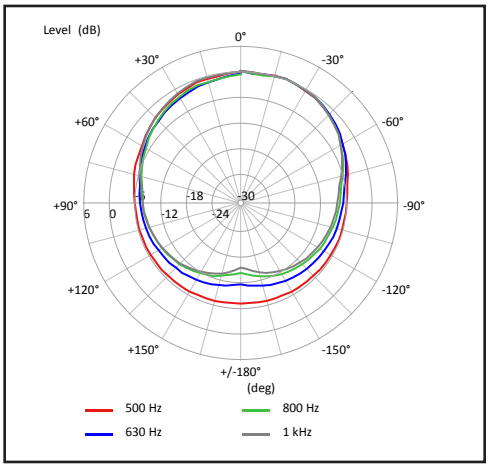


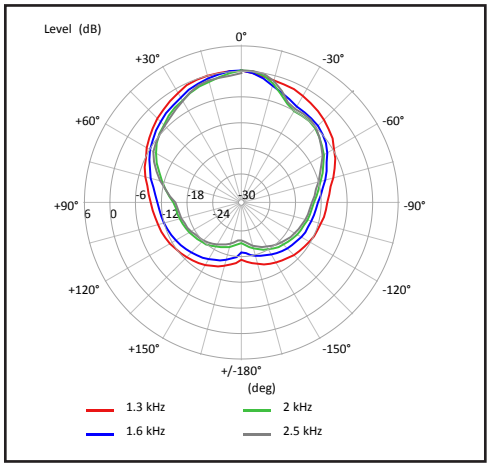


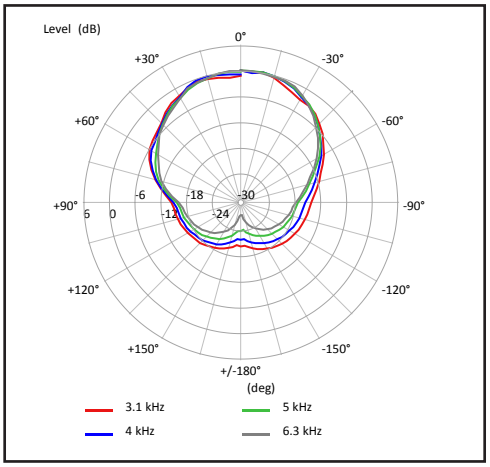
S8T Polars

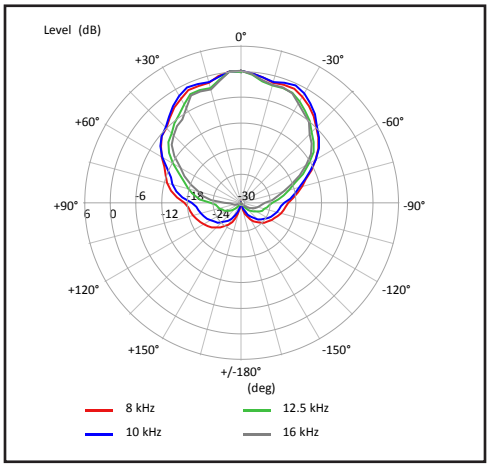
Vertical





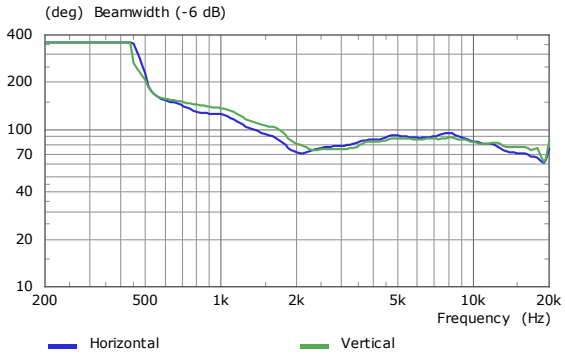




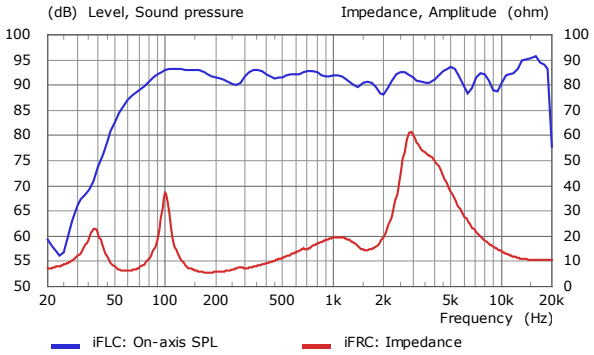


S10T Details

Beamwidth:

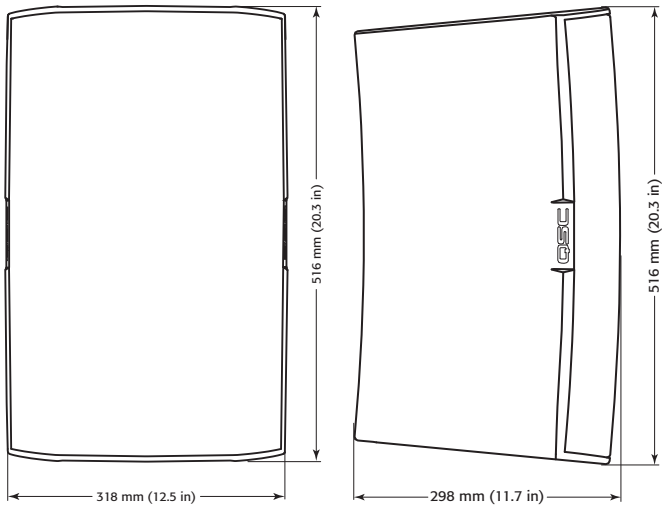


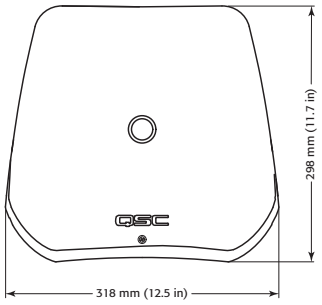
Impedance / Frequence Response:



Directivity Index and Q, Horizontal Off-Axis Frequency Response, Vertical Off-Axis Frequency Response available from the QSC website.

Dimensions:





S10T Specifications:

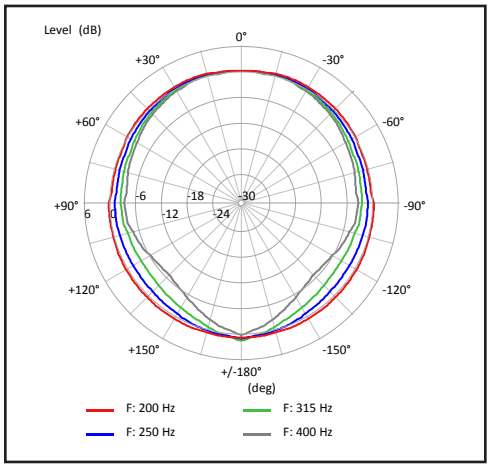
System Details	**AD-S10T**
Effective frequency range[1]	50 – 19k Hz
Rated noise power / voltage[2]	250 watts / 45 volts (rms)
Broad-band sensitivity[3]	92 dB SPL
Coverage angle (-6 dB)	90°
Directivity factor (Q)	10
Directivity Index	10 dB
Maximum continuous SPL[4]	116 dB
Maximum peak SPL[4]	122 dB
Rated impedance	8 ohms
Recommended amplifier power	500 watts
Transformer taps	70 V: 100, 50, 25, 12.5 watts and 8 ohm bypass 100V: 100, 50, 25 and 8 ohm bypass
HF transducer	1" exit / 1.4" voice-coil compression driver
LF transducer	10" weather resistant paper cone woofer, 2.5" / 64 mm voice-coil
Input connector type	Euroblock connector with parallel output terminals
Enclosure material	Painted ABS polymer
Grille 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 according to QSC internal standards between -20° and 50° C
Operating Temperature Range	-20 to 50 °C / -4 to 122 °F
Net weight	31 lbs / 15 kg
Product dimensions	20.3" x 12.5" x 11.7" (516 x 318 x 298mm)
Shipping weight	40.6 lbs / 18.45 kg
Shipping dimensions	31.7" x 16.1" X 16.1" (805 x 409 x 409mm)
Included accessories	X-Mount mounting system, euroblock connector, input panel cover
Optional accessories	YMS10T yoke mount, M10 Kit-C

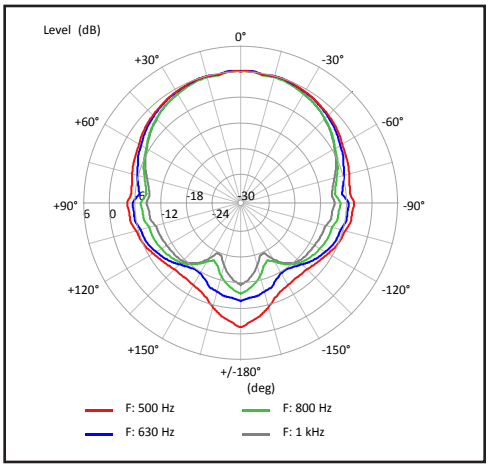
[1] Free-field, -10 dB from on-axis sensitivity
[2] IEC60268-1 noise signal for 2 Hrs
[3] On-Axis, free-field sensitivity, 2.83V, 1 m
[4] Calculated from rated noise voltage and sensitivity

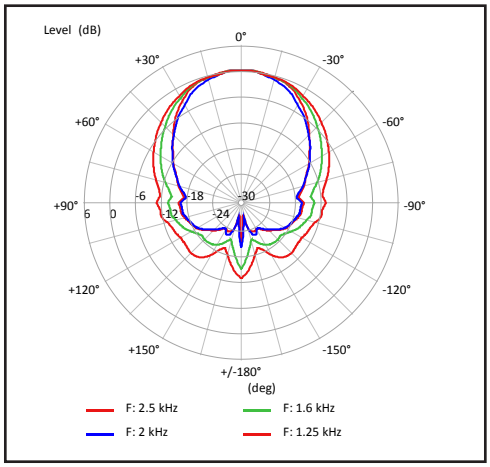
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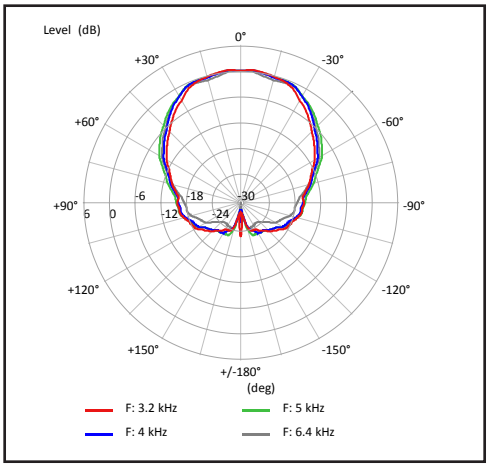
S10T Polars

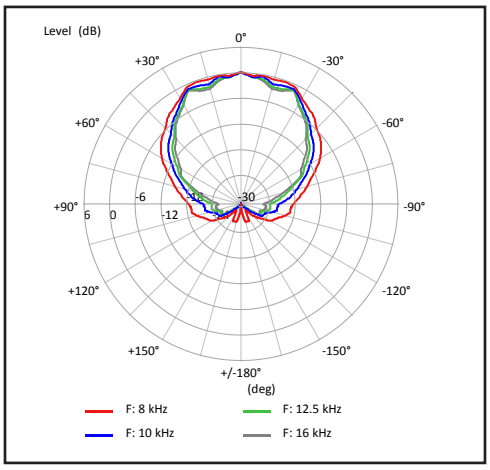
Horizontal





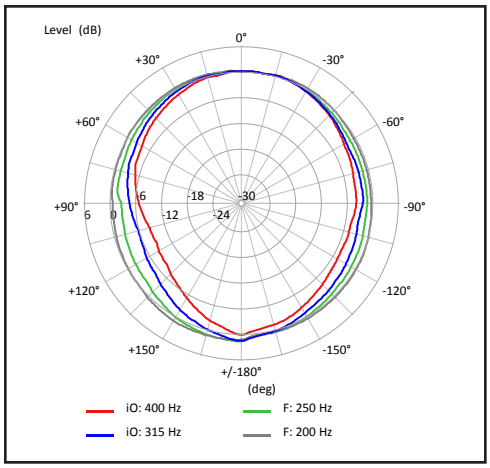


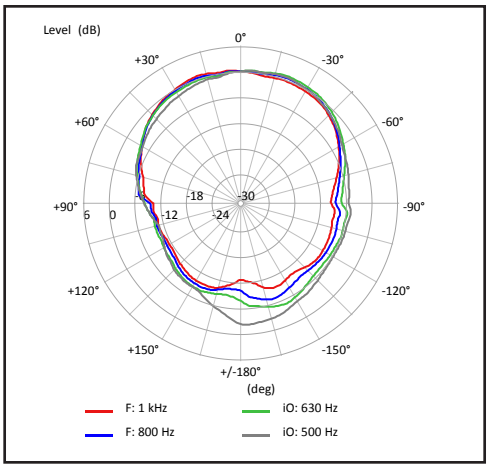


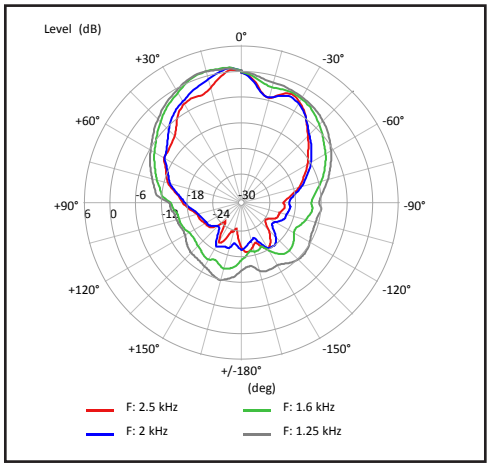


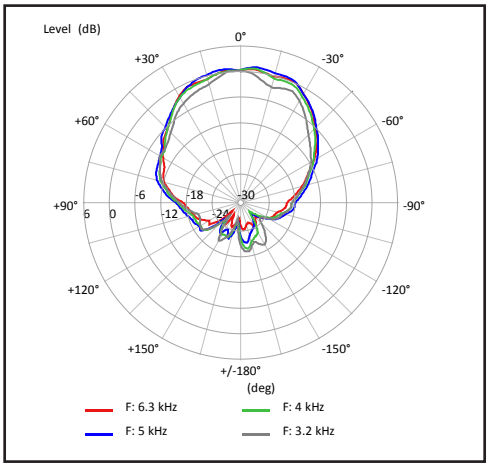
S10T Polars

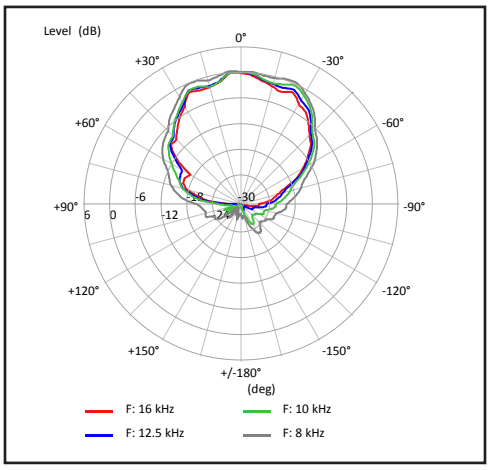
Vertical





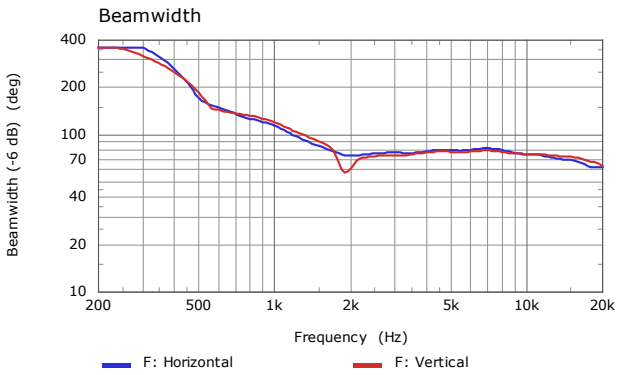




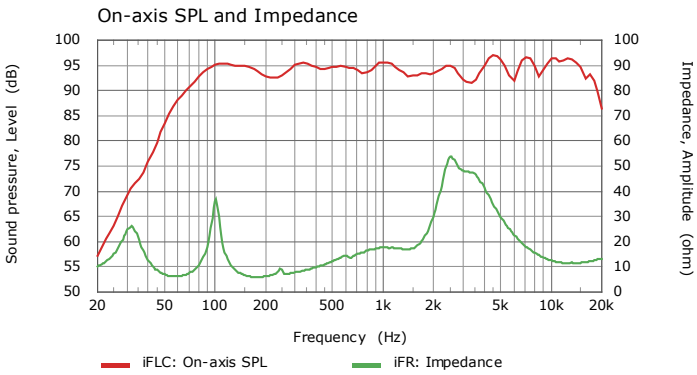


S12 Details

Beamwidth:

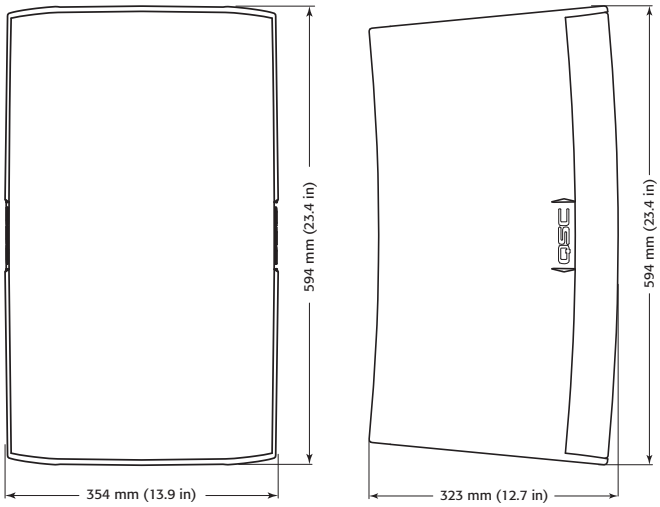


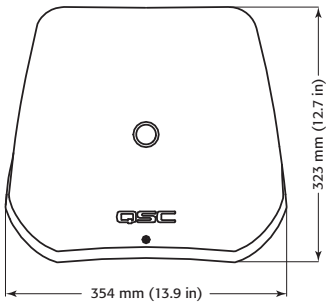
Impedance / Frequence Response:



Directivity Index and Q, Horizontal Off-Axis Frequency Response, Vertical Off-Axis Frequency Response available from the QSC website.

Dimensions:





S12T Specifications:

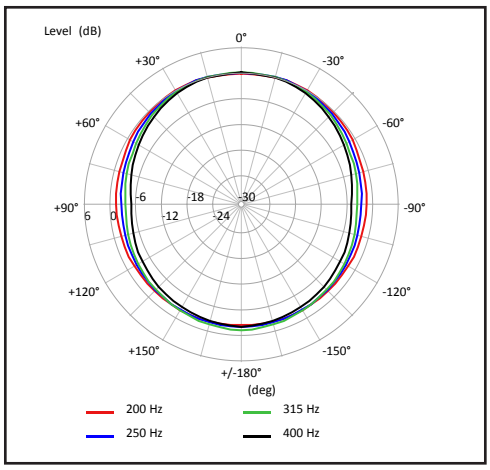
System Details	**AD-S12**
Effective frequency range[1]	52 – 20k Hz
Rated noise power / voltage[2]	300 watts / 50 volts (rms)
Broad-band sensitivity[3]	95 dB SPL
Coverage angle (-6 dB)	75°
Directivity factor (Q)	12
Directivity Index	11 dB
Maximum continuous SPL[4]	120 dB
Maximum peak SPL[4]	126 dB
Rated 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, 3" / 76 mm voice-coil
Input connector type	Euroblock connector with parallel output terminals
Enclosure material	Painted ABS polymer
Grille 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 according to QSC internal standards between -20° and 50° C
Operating Temperature Range	-20 to 50 °C / -4 to 122 °F
Net weight	35.2 lbs / 16 kg
Product dimensions	23.4" x 13.9" x 12.7" (594 x 354 x 323 mm)
Shipping weight	46.3 lbs / 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

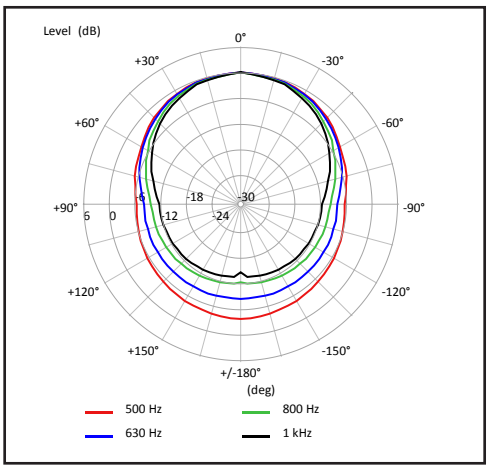
[1] Free-field, -10 dB from on-axis sensitivity
[2] IEC60268-1 noise signal for 2 Hrs
[3] On-Axis, free-field sensitivity, 2.83V, 1 m
[4] Calculated from rated noise voltage and sensitivity

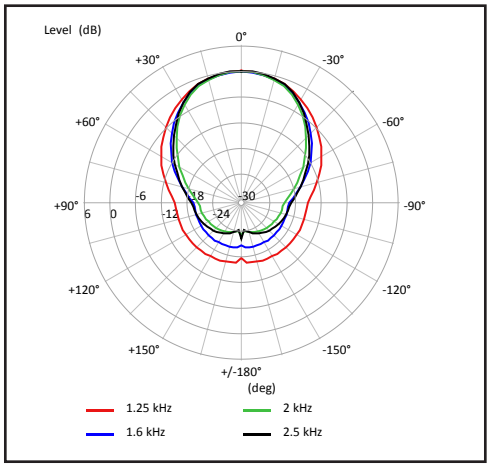
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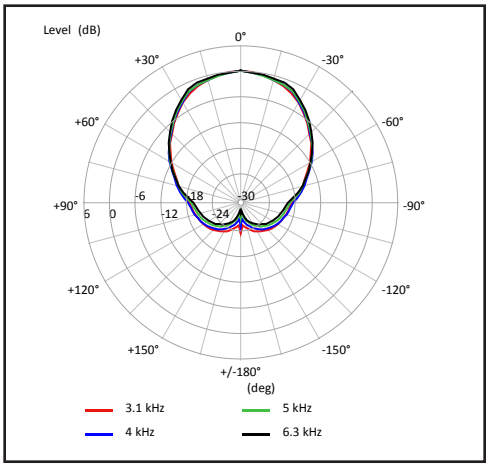
S12 Polars

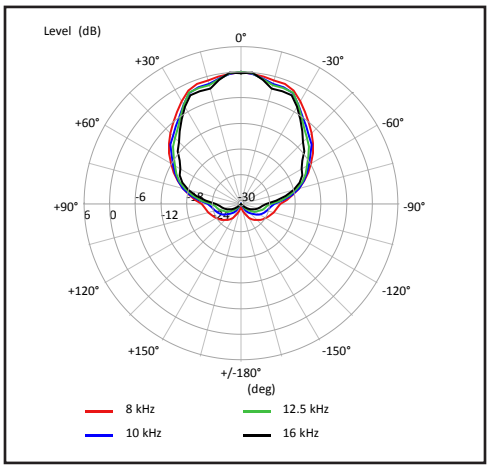
Horizontal





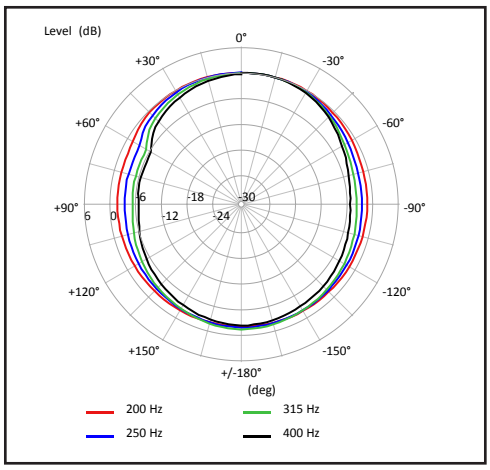


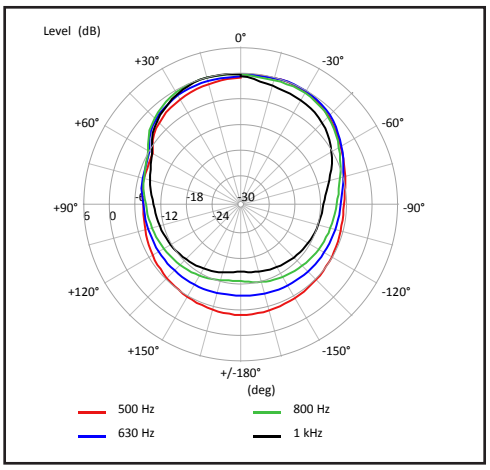


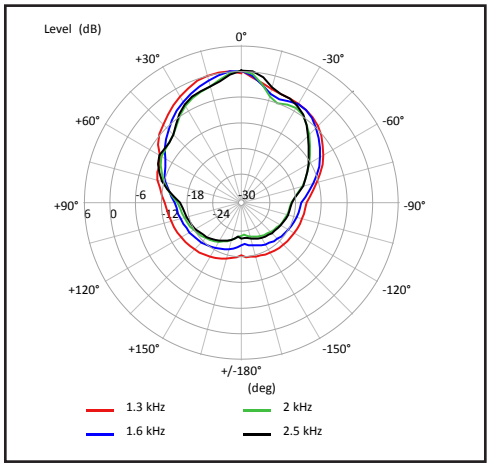


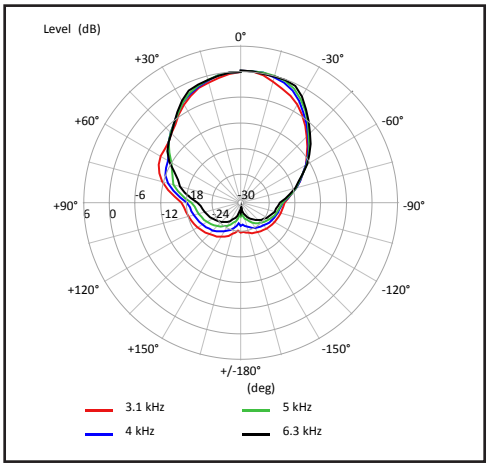
S12 Polars

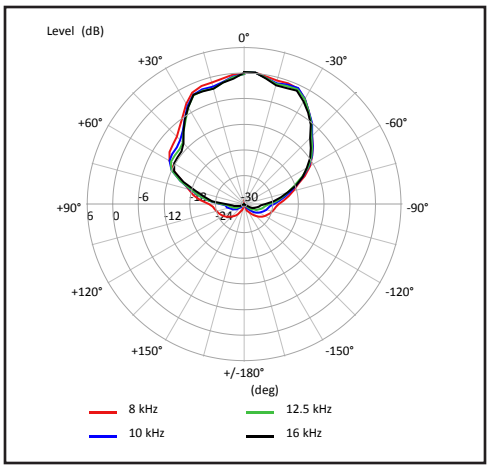
Vertical











Specifications subject to change without notice.

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