



AD-S282H

AcousticDesign™ Loudspeaker

Features

- **Contemporary style, weather resistant enclosure and components**—ideal for a wide range of applications
- **Dual 8", 2-way system**—in a lightweight, multipurpose enclosure featuring a heavy duty, powder coated aluminum grill
- **Versatile mounting options**—the included yoke mount bracket can be used for mounting and aiming the system in vertical or horizontal orientations. Provision for optional Omnimount™ bracket is built in
- **Advanced Directivity™ rotatable waveguide**—(90° x 60°) enables the loudspeaker to deliver accurately focused sound, regardless of the enclosure's mounted orientation
- **Low-impedance and transformer versions**—Standard 8 ohm system is selectable for passive bi-amp operation while the AD-S282HT transformer version provides taps for both 70 and 100 volt distributed system use



The QSC AcousticDesign AD-S282H is a full range, surface mount loudspeaker with a sleek, contemporary styling that fits perfectly into multiple surroundings and applications including hotels, restaurants, convention facilities, and multimedia environments. The speaker incorporates the Advanced Directivity rotatable waveguide. Available in black or white, these weather resistant enclosures can be painted to match any specific décor.

The AD-S282H is a 2-way system housed in a ported enclosure made from injection molded, high-impact polystyrene. This enclosure incorporates two 8" weather resistant, LF transducers with heavy-duty double roll cloth surrounds. These high output versions employ a 1" exit compression HF driver. The HF driver is coupled with QSC's unique Advanced Directivity rotatable waveguide—enabling the loudspeaker to deliver accurately focused sound, regardless of its mounted orientation.

1) All frequency ranges specified refer to measured free field response (full space, 4m)

2) Calculated SPL at 1 m, full space (4m), speaker operating at rated RMS power with pink noise within specified frequency range

3) Maximum input power tested in accordance with IEC 268-5 recommendations, 50 Hz - 20 kHz band limiting, 6 dB signal crest factor, 8 hours

4) Based on nominal impedance, measured in full-space

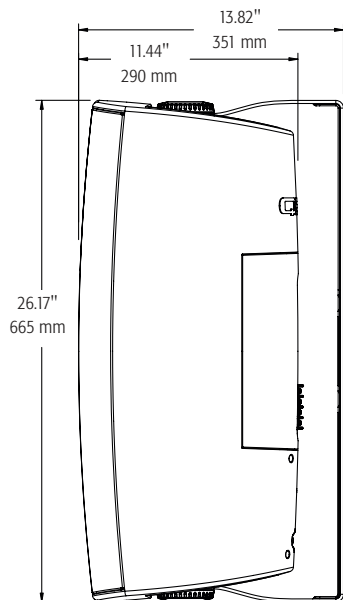
Specifications

AD-S282H and AD-S282HT

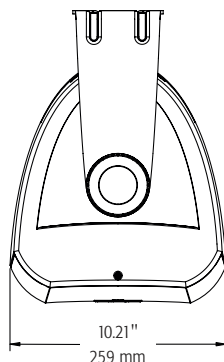
Configuration	Compact 2-way, ported enclosure		
Transducers	Dual 8" high power, treated paper cone, 2" voice coil, neodymium magnet 1" high output compression driver		
Frequency Range ¹	80 Hz – 27.7 kHz		
Frequency Response (-6 dB)	60 Hz – 29.5 kHz		
Usable Frequency Range (-10 dB)			
Maximum Output (SPL at 1 m) ²	Fullrange (passive mode)	LF (biamp mode)	HF (biamp mode)
Continuous	120	124	121
Peak	126	130	127
Nominal Impedance	Passive 8Ω	LF 8Ω	HF 8Ω
Power Rating ³	Passive 450 W (IEC, 8 hours)	LF 500 W (IEC 8 hours, 50 Hz – 2 kHz)	HF 45 W (IEC 8 hours, 2 kHz – 20 kHz)
Recommended Max Amp Power	Passive 900 W RMS		
Sensitivity (SPL, 1 W at 1 m) ⁴	Passive 93 dB (100 Hz – 10 kHz)	LF 97 dB (200 Hz – 2 kHz)	HF 104 dB (2 kHz – 10 kHz)
Nominal Coverage	90°H x 60°V (-6 dB) rotatable to 60°H x 90°V		
Bass Loading	Ported, tuned to 60 Hz		
Transformers			
Type	Custom low distortion laminated core, wide bandwidth design		
Taps	70V 200, 100, 50, 25 watts 100V 200, 100, 50 watts		
Bypass	8Ω bypass on AD-S282HT		
Enclosure			
Material	Injection molded, weather resistant, high impact polystyrene		
Finish	White or black (paintable)		
Weather Resistance	Yes		
Grille	Heavy duty powder coated aluminum		
Connectors	Barrier strip (switchable: passive/active on AD-S282H)		
Mounting Hardware	Yoke mount included		
Weight - Net / Shipping	27.7 lb (12.6 kg) / 35.6 lb (16.1 kg)		

AD-S282H

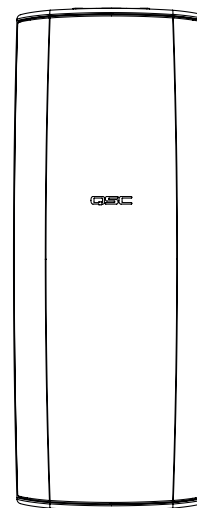
Dimensions | Frequency Response and Impedance



Side

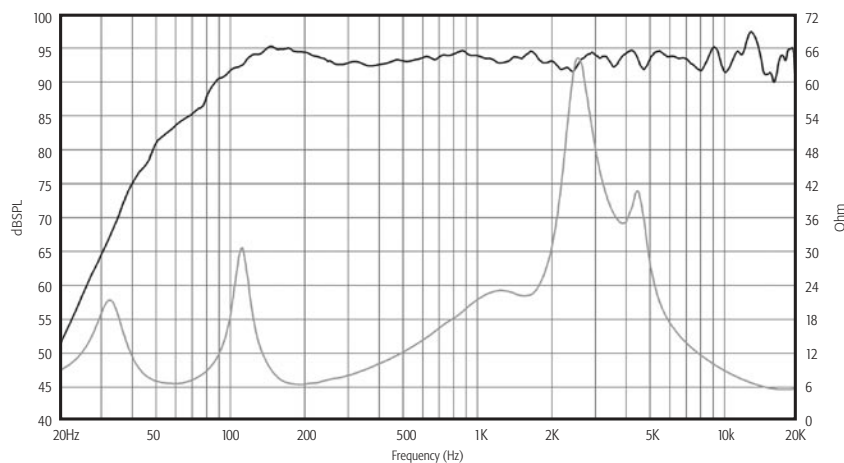


Top



Front

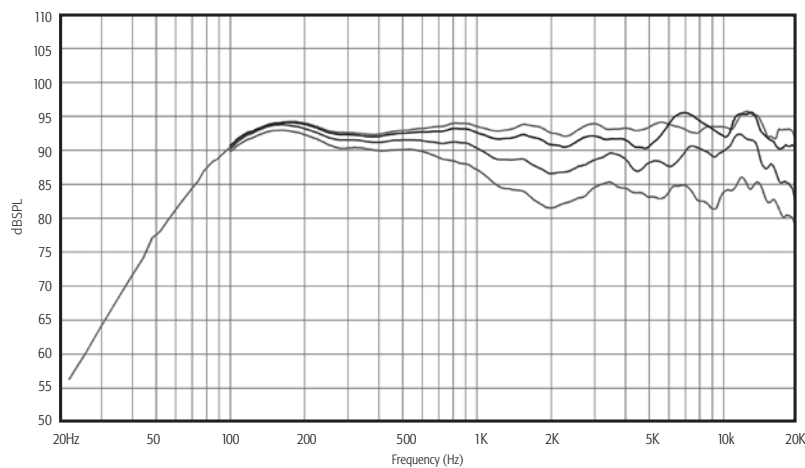
Frequency Response and Impedance*



Horizontal Off-Axis Frequency Response** (0°, 20°, 40°, 60°)

*Graph shows free field SPL at 1 W, 1 m

**1/3rd octave smoothing applied to off-axis curves for clarity



Specifications subject to change without notice.

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AD-S282H Spec Sheet - 06/18/08

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