

DESCRIPTION

The CSM8 advances the state-of-the-art for small loudspeaker technology in providing high quality sound and controlled directivity. The design incorporates several innovative technologies developed by EAW for much larger professional loudspeakers. These provide the CSM8 with the directional performance, wavefront coherency, output levels, and sound quality normally associated with much larger and more expensive loudspeakers.

The 8-in LF driver is configured in a precise way to provide excellent coherency below the LF/HF crossover. In addition, the LF driver provides the LF without sacrificing sound quality through the crossover region. The custom, high power HF driver complements the LF subsystem throughout the critical speech range. The result of these driver configurations is an extended range of pattern control and coherency that is not generally associated with loudspeakers of this size.



Features

- 1 x 8 inch low frequency transducer
- 1 x 1.25 inch high frequency dome tweeter
- 120° x 120° coverage pattern
- UV/weather resistant HIPS (High Impact Polystyrene) enclosure
- Crossover optimized for speech intelligibility
- Wall-mount kit included

Applications

- Meeting Rooms
- Houses of Worship
- Courtrooms
- Multizone Paging/Music Systems
- Hotels
- Boardrooms
- Multi-Purpose Facilities

SPECIFICATIONS

CONFIGURATION

Subsystem:	<i>Transducer</i> LF 1x 8 in cone HF 1x 1 in compression driver	<i>Loading</i> Vented Waveguide
Operating Mode:	<i>Amplifier Channels</i> Single-amp LF/HF	<i>External Signal Processing</i> HPF

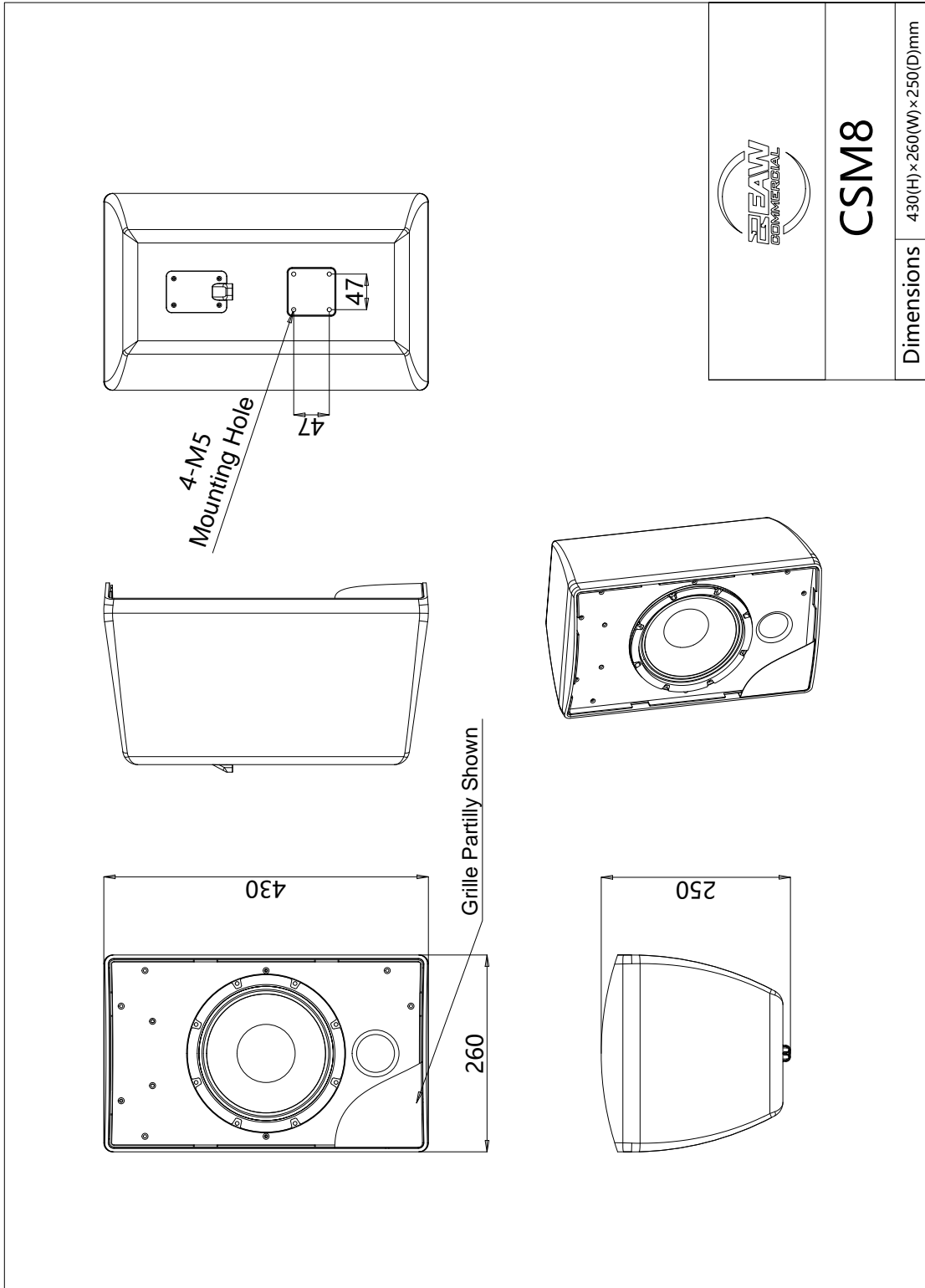
PERFORMANCE

Operating Range:	60 Hz to 21 kHz	
Nominal Beamwidth:	Horz 120°	Vert 120°
Axial Sensitivity (whole space SPL):	98 dB (1W@1m)	
Calculated Output (whole space SPL):	126 dB (Peak)	
Input Impedance:	8 ohms	
Power Ratings:	<i>Continuous</i> 150 W	<i>Program</i> 375 W
Input Taps:	70 V: 120W / 60 W / 30 W / 15 W 100 V: 120W / 60 W / 30 W	
Dimensions:	430mm(H) x 260mm(W) x 250mm(D)	
Weight:	7.32 kg	
IP Rating:	IP55, with IP56 Connection Cover	
Color:	Black	



CSM8

2-Way Surface Mounted Loudspeaker



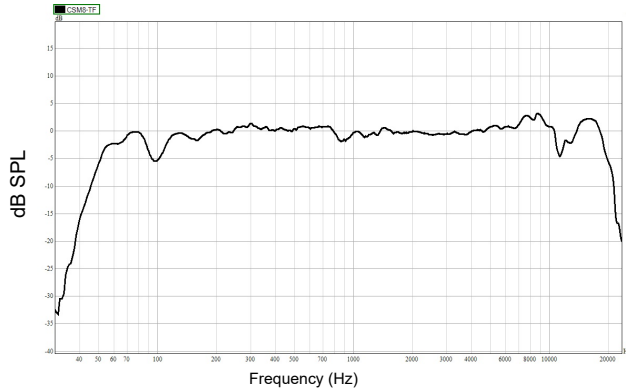


CSM8

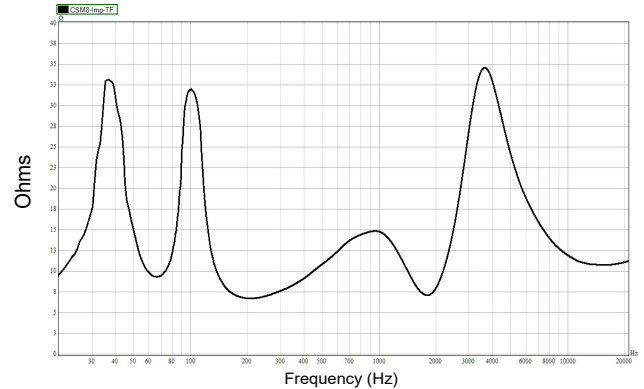
2-Way Surface Mounted Loudspeaker

PERFORMANCE DATA

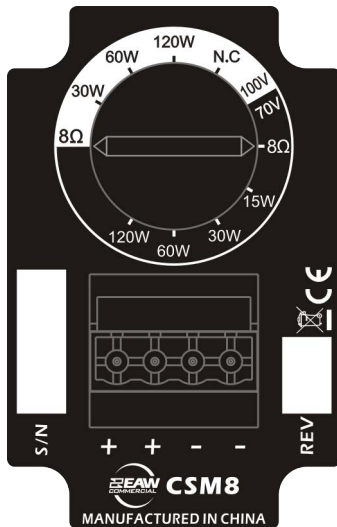
CSM8 UNPROCESSED FREQUENCY RESPONSE



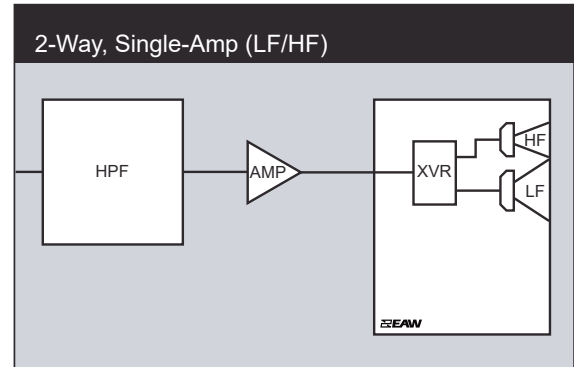
CSM8 IMPEDANCE VS. FREQUENCY



INPUT PANEL



SIGNAL DIAGRAM



LEGEND

- HPF:** High Pass Filter for crossover –or– Recommended High Pass Filter.
- LPF:** Low Pass Filter for crossover.
- LF/MF/HF:** Low Frequency / Mid Frequency / High Frequency.
- AMP:** User Supplied Power Amplifier –or– Integral Amplifier for NT products.
- XVR:** Passive LPFs, HPFs, and EQ integral to the loudspeaker.