



# BOSE®

## FreeSpace® Model 32SE Surface-Mount Loudspeaker

### General Description

The Bose® FreeSpace Model 32SE loudspeaker is a 32-Watt loudspeaker designed for surface-mount installations in indoor and outdoor commercial spaces.

It offers the following features:

- A 4.5" (11.4 cm) Bose HVC (helical voice coil) environmental driver with active equalization, providing reliable high quality sound in a compact enclosure
- A multi-tap line transformer that provides easy-to-change tap settings for 1W, 2W, 4W, 8W, 16W, and 32W (available on 70V and 100V versions)
- Uses the same equalization as the Model 32 flush-mount and Model 25 loudspeakers
- Simple design available in black or white to blend with any decor or can be painted to match any interior
- Mounting hardware that permits fast and easy installation
- Weather-resistant design and hardware ensure reliable performance indoors or outdoors

### Installation

Hardware and installation instructions are included with the loudspeakers.

The loudspeakers may be mounted horizontally or vertically using the U-brackets, which attach to the side internal threaded inserts. The loudspeaker slips easily into the mounting bracket and can be tilted.



FreeSpace®  
BUSINESS MUSIC SYSTEMS

### Technical Information

#### Frequency Range

90Hz to 16kHz (±3dB)

#### Model 32SE Speaker Versions

*Active Equalization*

- 70V (1W, 2W, 4W, 8W, 16W, 32W taps)
- 100V (1W, 2W, 4W, 8W, 16W, 32W taps)

*Passive Equalization*

- 4Ω, 32W, no transformer

#### Sensitivity<sup>1</sup>

*Active Equalization*

86dB-SPL @ 1W, 1m (pink noise)

*Passive Equalization*

86dB-SPL @ 1W, 1m (pink noise)

#### Maximum Acoustic Output<sup>2</sup>

101dB-SPL @ 1m (pink noise)

101dB-SPL @ 1m (IEC<sup>3</sup> noise)

#### Dispersion (-6dB point, average, 1-4kHz)

132° conical

#### Long-Term Power Handling<sup>4</sup>

32W continuous

#### Mechanical Specifications

Dimensions: 6"H x 9"W x 5.6"D  
(15.2 cmH x 22.9 cmW x 14.1 cmD)

Weight: 5 lb (2.3 kg)

Connectors: 70V/100V, screw terminal; 4Ω, hex nut post terminals

Mounting Hardware Included: Quick install U-bracket and hardware

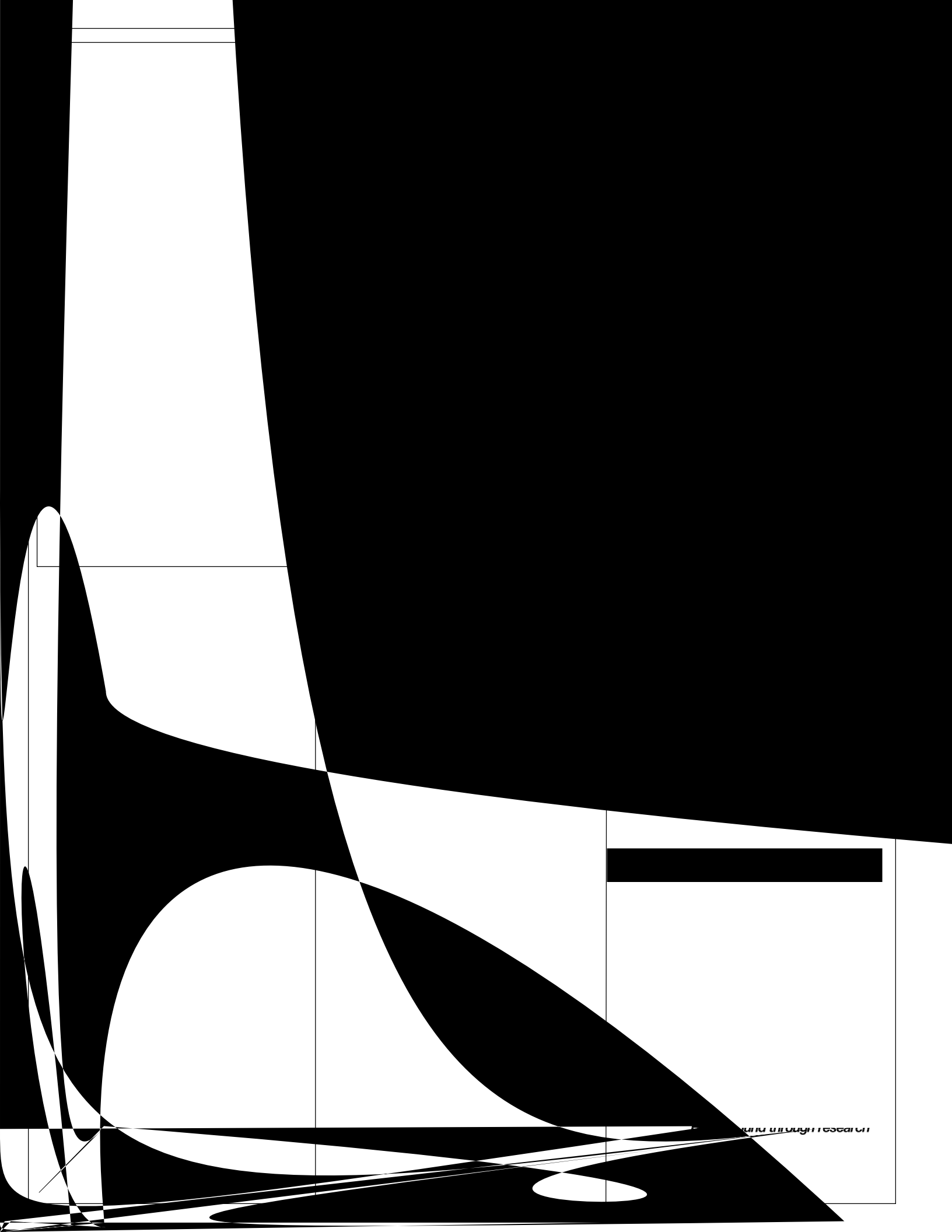
Additional Mounting Points: Two (2) 1/4"-20 inserts, 0.7 inch on bottom

<sup>1</sup>Full bandwidth pink noise is applied to the FreeSpace system controller and amplified to a level at the loudspeaker terminals corresponding to 1 Watt as referenced to the nominal impedance. The average sound pressure level (dB-SPL) is measured at 1 meter from the speaker in an anechoic environment.

<sup>2</sup>Full bandwidth pink noise is applied to the FreeSpace system controller and amplified to a level at the loudspeaker terminals corresponding to the long-term rated power handling of the speaker. The average sound pressure level (dB-SPL) is measured at 1 meter from the speaker in an anechoic environment.

<sup>3</sup>Full bandwidth pink noise, meeting Electrotechnical Commission (IEC) Standard #268-5, with a spectrum corresponding to average program material.

<sup>4</sup>Full bandwidth noise, meeting the IEC Standard #268-5 is applied to the FreeSpace system controller and amplified to a level at the loudspeaker terminals corresponding to the power handling of the loudspeaker. The loudspeaker must show no visible damage or measurable loss of performance after 100 hours of continuous testing.



RESEARCH THROUGH DESIGN