



Technical information

Frequency range

70Hz to 15kHz (± 3 dB)

FreeSpace® 360P-II versions

70V/100V (10W, 20W, 40W, 80W taps)

Sensitivity¹

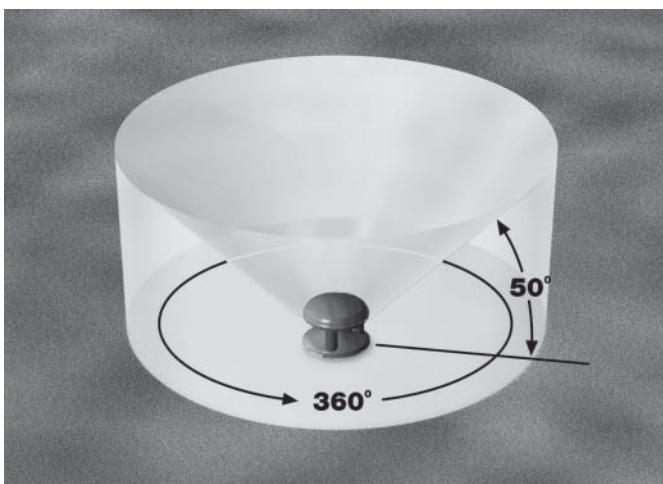
87dB-SPL @ 1W, 1m (pink noise)

Maximum Acoustic Output²

100dB-SPL @ 1m (pink noise)

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

360° horizontal; 50° vertical (see pattern, below)



Long-Term Power Handling³

40W continuous, 80W peak

Mechanical Specifications

Dimensions: 37 cm diameter; 38 cm high

Weight: 6.5 kg

Input Connections: External multi-wire cable with wire nuts included

Enclosure Construction: Glass-reinforced polypropylene

Mounting Points: Three (3) #10 (M4) holes in base

Note: The FreeSpace® 360P-II loudspeaker is equipped with a protection circuit that reduces the low-frequency output overpowered. In the event that the protection circuit is activated, turn off the signal source for 30 seconds for full recovery

General description

The BOSE® FreeSpace® 360P-II loudspeaker is an 80-watt, full-range environmental loudspeaker with a 360° horizontal dispersion. It is designed for use with standard amplifiers in a variety of applications, such as shopping malls, outdoor restaurants, resorts and theme parks. It offers the following features:

- > An environmental 11.4 cm Bose driver with passive equalization, providing high reliability and high quality sound for outdoor applications
- > A multi-tap line transformer that permits selection of tap settings of 10W, 20W, 40W, or 80W at the 70V or 100V inputs
- > Freestanding design that blends with the landscaping and permits installation either in ground or attached to a horizontal concrete or wood surface
- > Tamper-resistant design

Installation

The FreeSpace 360P-II loudspeakers are complete and ready for in-ground installation. Mounting each loudspeaker securely on a horizontal surface requires three #10 (M4) screws, which the installer must provide. Installation options include in-ground (with up to 40% of the enclosure buried in earth), or attached to a horizontal surface (a wooden deck or concrete patio, for example). Product color is green and blends with most surroundings. Painting is not recommended.

1. Full bandwidth pink noise is 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, 30° above the ground plane.
2. Full bandwidth pink noise is 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, 30° above the ground plane.
3. Full bandwidth noise, meeting the International Electrotechnical Commission Standard #268-5 is 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.

Loudspeaker configuration

The FreeSpace® 360P-II loudspeaker is designed for use in a distributed sound system when used with an amplifier. The loudspeaker is packaged as one single unit per carton.

Engineers' and architects' specifications

The loudspeaker shall be an 80-Watt, ported loudspeaker system utilizing one 11.4 cm HVC environmental full-range driver mounted in the underside of the top of the loudspeaker enclosure. The driver shall have a rated impedance of 4 and shall be wired in parallel with a line voltage-matching (stepdown) transformer with taps at 10, 20, 40, or 80 watts.

The loudspeaker shall have a single port vented system, with a maximum acoustic output of 100dB-SPL from 70kHz to 15kHz, with measurements referenced with fullbandwidth pink noise at 1 meter at the loudspeaker's highest rated power.

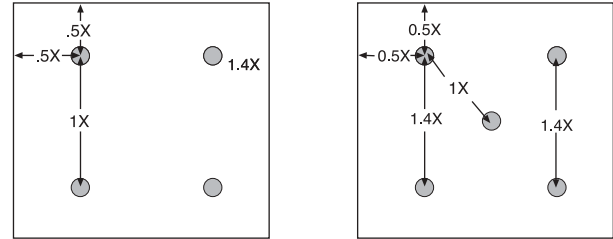
The input connection shall consist of wires with wire nuts on a cable attached to the base of the loudspeaker. Its power handling capability shall be 10, 20, 40, or 80, watts continuous power when referenced to IEC noise for 100 hours.

The nominal dispersion of the loudspeaker shall be 360° horizontal and 50° vertical.

The loudspeaker shall be the BOSE® FreeSpace 360P-II loudspeaker.

Placement

- > To achieve ± 1.5 dB, use 3 m spacing as X, center to center.
- > To achieve ± 3.0 dB, use 6 m spacing as X, center to center.
- > To achieve ± 6.0 dB, use 9 m spacing as X, center to center.



For linear spacing (for bordering side walks, paths or walkways): use the ratios shown above, keeping the speaker at least 3 ft (1 m) from the listeners.

Safety and regulatory compliance

The BOSE FreeSpace 360P-II loudspeaker is suitable for general purpose use. It complies with EMC Directive 89/336/EEC and Article 10 (1) of the Directive in compliance with EN50081-1, EN50082-1, as signified by the CE mark.

Warranty information

The BOSE FreeSpace 360P-II loudspeaker is covered by a 5-year, transferable limited warranty.