

FEATURES

- Factory Preassembled
- Reduces Installation Time
- Dual 25/70 volt Transformer
- Accessory Support Bridge Available
- Optional Back Box

DESCRIPTION

The Telecor STB-11 is a cost-effective 8" speaker/transformer/baffle assembly which has a wide frequency response for general purpose voice and music reproduction.

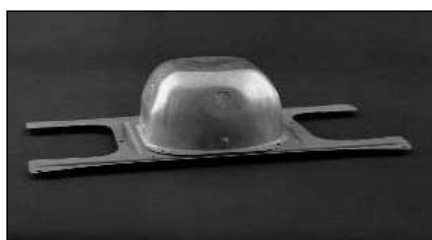
The assembly consists of an 8" cone loudspeaker, equipped with a dual 25/70 volt line-matching transformer, preassembled onto a round baffle. The transformer features colour-coded primary taps at ¼, ½, 1, 2, and 4 watts. Secondary leads are soldered to the speaker terminals. The baffle is finished in a mar-resistant, white, epoxy coating.

The STB-11 is designed to be installed into suspended ceilings, in conjunction with a T8 support bridge. The support bridge prevents ceiling tile sag by distributing the weight of the speaker assembly to the overhead T-bar support members. The speaker assembly is screw-mounted onto the support bridge.



T8 Support Bridge

In applications where a protective enclosure is required, a model H8 enclosure can be fastened to the support bridge prior to installation of the speaker assembly into the ceiling.



T8 Support Bridge complete with H8 Enclosure

ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The loudspeaker/transformer/baffle assembly shall be a Telecor model STB-11 or approved equal.

The loudspeaker size shall be 8 inches in diameter and have a power handling capacity of 15 watts. The voice coil shall be of high-temperature bonded construction, be one inch in diameter and have an impedance of 8 ohms. The speaker shall have a frequency range of at least 50 Hz to 15,000 Hz and an axial sensitivity of 91dB at 4 ft, with a 1 watt input signal @ 1000Hz.

The loudspeaker shall be equipped with a factory wired 25/70 volt line-matching transformer. The transformer shall have the primary taps at ¼, ½, 1, 2, and 4 watts. The insertion loss shall be no greater than 1.0 dB. The transformer shall be mounted to the speaker with the secondary leads soldered to the speaker terminals.

The assembly shall include a baffle constructed of 22 gauge, cold-rolled steel finished with a mar-resistant white, semi-gloss, epoxy coating. The baffle shall have a diameter of 13". The STB-11 shall mount to a T8 support bridge, used to attach the assembly to suspended ceilings.

The support bridge shall accept an optional enclosure, model H8, for applications where a protective enclosure is required. The H8 enclosure shall attach to the support bridge with appropriate mounting screws.

STB-11 SPEAKER ASSEMBLY SPECIFICATIONS

Weight: 2 ½ lbs

BAFFLE

Type: Round, two-step contour
Finish: White, semi-gloss epoxy
Material: 22 gauge CRS

CONE SPEAKER

Speaker Dia.: 8"
Power Rating: 15 watts
Freq. Range: 15 Hz to 15,000 Hz
Magnet: 6 oz
Axial Sens.: 91dB @ 4ft (1 watt input)

TRANSFORMER

Type: Dual voltage (25/70 volt)
Power Rating: 4 watts
Freq. Response: 50 to 18,000 Hz
Primary Taps: 25 volt / 70 volt
Secondary Taps: 4, 2, 1, ½, and ¼ watt
Prim. Impedance:
70 volt: 155, 312, 625, 1250, 2250 Ohms
25 volt: 1225, 2450, 4900, 9800, 19600 Ohms
Sec. Impedance: 8
Terminations: 4" colour-coded leads

PARTIAL LIST OF ASSOCIATED EQUIPMENT

T8	Support Bridge
H8	Enclosure

All product information subject to change without notice.