

PF-85TVH Speaker Assembly

The new AudioTrak PF-85TVH all-in-one hangable speaker, transformer and back-can makes commercial installations a breeze. Constructed with fire-retardant components, this sound solution includes an 8-inch polypropylene, high-output coaxial speaker housed in an architectural enclosure, with a low-profile attractive white baffle and one-piece back-can. The PF-85TVH hides the 20-watt premium transformer in the back-can and provides a Euro Block style connector for quick installation. A 6-foot hanging chain system and four sturdy "L" clamps are included and allow for multiple installation options. The PF-85TVH is hangable from open truss ceilings in a down-firing configuration. It can also be configured in an up-firing position for sound masking in ambient sound installations. The hanging chain system cuts installation time by 90 percent. Cutting-edge aesthetics and easy installation make the PF-85TVH the right product for any environment.



Features

- High-output 8-inch polypropylene coaxial speaker
- Constructed with fire-retardant components
- Hangable down-firing or up-firing
- Four sturdy "L" clips for tile or drywall installations
- Architectural low-profile white baffle
- Full frequency premium 20-watt transformer, 25 / 70-volt plus 8-ohm
- Euro Block style removable connector
- Easy one-piece installation
- Optional RI-PF85TV tile bridge rough-in bracket available

Specifications

PF-85TVH

Speaker Type	Coaxial
Cone Material	Polypropylene
Tweeter Material	Silk
Tweeter Size	1.18 inches; 30 mm
Frequency Response	80 Hz to 20 kHz \pm 10 dB
Sensitivity	98 dB at 1 watt, 1 meter
Crossover Point	3 kHz
Dispersion Angle	95 degrees
Power Handling	40-watt RMS
Impedance	8 ohms
Magnet Weight LF	10 oz; 284 g
Magnet Weight HF	1.5 oz; 42.5 g
Voice Coil Diameter LF	1 inch; 25 mm
Voice Coil Diameter HF	0.625 inches; 15 mm
Overall Diameter	10.69 inches; 271.5 mm
Overall Depth	8.25 inches; 209.5 mm
Transformer	20 watts, 25 / 70 volts, 2.5, 5, 10, 20 watts / 8 ohms
Cutout Diameter	9.33 inches; 237 mm
Overall Weight	5.85 lbs; 2.65 kg

Architectural and Engineering Specifications

The loudspeaker shall be an AudioTrak model PF-85TVH. The loudspeaker shall be an 8-inch, 2-way coaxial polypropylene cone with a 10 oz; 284 g magnet for the low frequency transducer and a silk dome with a 1.5 oz; 42.5 g magnet for the high frequency transducer. The loudspeaker shall provide for a continuous power rating of 40 watts RMS with a consistent frequency response of 80 Hz to 20 kHz (\pm 10 dB). The speaker shall have a crossover point of 3 kHz and shall have a voice coil diameter of 1 inch; 25 mm for the low frequency driver and 0.625 inch; 15 mm for the high frequency driver. The speaker shall have a nominal impedance of 8 ohms and sensitivity of 98 dB, 1 watt, 1 meter with a dispersion angle of 95 degrees. The transducer shall be fitted with a 25 / 70-volt transformer with primary taps at 2.5, 5, 10, 20 watts and a secondary tap at 8 ohms. An 8-ohm connection is also provided which bypasses the transformer. Overall frequency response shall be 80 Hz to 20 kHz (\pm 10 dB). The transformer shall have dimensions of (H x W x D), 1.7 x 3.14 x 1.85 inches; 43 x 80 x 47 mm and a total weight of 0.66 lbs; 300 g.

The speaker and transformer shall be mounted in a circular sealed back-box with dimensions of 7.24 inches; 184 mm diameter, 6.7 inches; 170 mm in overall height and a total overall depth of 8.25 inches; 209.5 mm including wire terminals. The PF-85TVH shall be fitted with a painted white steel mesh architectural grill and a white plastic trim ring 10.69 inches; 271.5 mm in diameter. The PF-85TVH cutout dimension shall be 9.33 inches; 237 mm and shall mount to walls/ceilings via four screw type "L" clips. A ten contact removable Euro Block style connection strip shall be provided for all primary taps and is mounted on the back-can. The complete speaker transformer, back-can and terminal strip shall be constructed of fire-retardant components and shall be the AudioTrak PF-85TVH.

