

## PF-65TVH Speaker Assembly

The new AudioTrak PF-65TVH all-in-one hangable speaker, transformer and back-can makes commercial installations a breeze. Constructed with fire-retardant components, this sound solution includes a 6-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-65TVH hides the 10-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-65TVH 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. With cutting-edge aesthetics and ease of installation, the PF-65TVH is the smart choice for quality installations.



### Features

- Complete coaxial speaker, transformer, back-can and hanging chain system
- High-output 6-inch polypropylene coaxial speaker
- Constructed with fire-retardant components
- Hangable down-firing or up-firing
- Four sturdy "L" clips for tile/drywall installations
- Architectural low-profile white baffle
- Full frequency premium 10-watt transformer, 25 / 70-volt plus 8-ohm
- Euro Block style removable connector
- Easy one-piece installation
- Optional RI-PF65TV tile bridge rough-in bracket available

# Specifications

## PF-65TVH

Speaker Type	Coaxial
Cone Material	Polypropylene
Tweeter Material	Mylar
Tweeter Size	1.18 inches; 30 mm
Frequency Response	80 Hz to 20 kHz $\pm$ 10 dB
Sensitivity	97 dB at 1 watt, 1 meter
Crossover Point	2.5 kHz
Dispersion Angle	100 degrees
Power Handling	20-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 inch; 15 mm
Flux Density LF	11,560 gauss
Flux Density HF	10,250 gauss
Overall Diameter	8.97 inches; 228 mm
Overall Depth	7 inches; 177.8 mm
Transformer	10 watts, 25 / 70 volts, 1.25, 2.5, 5, 10 watts / 8 ohms
Cutout Diameter	7.64 inches; 178 mm
Overall Weight	4.2 lbs; 1.90 kg

## Architectural and Engineering Specifications

The loudspeaker shall be an AudioTrak model PF-65TVH. The loudspeaker shall be a 6-inch, 2-way coaxial polypropylene cone with a 284 g (10 oz) magnet for the low frequency transducer and a mylar 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 20 watts RMS with a consistent frequency response of 80 Hz to 20 kHz ( $\pm$ 10 dB). The speaker shall have a crossover point of 2.5 kHz and 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 97 dB, 1 watt, 1 meter with a dispersion angle of 100 degrees. The transducer shall be fitted with a 25 / 70-volt transformer with primary taps at 1.25, 2.5, 5, 10 watts and a secondary tap at 8 ohms. An 8-ohm connection shall be 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 1.57 inches; 43 x 80 x 40 mm and a total weight of 0.66 lb; 300 g.

The speaker and transformer shall be mounted in a circular sealed back-box with dimensions of 5.75 inches; 146 mm diameter, 6.14 inches; 156.5 mm in overall height and a total overall depth of 7 inches; 177.8 mm including wire terminals. The PF-65TVH shall be fitted with a painted white steel mesh architectural grill and a white plastic trim ring 8.97 inches; 228 mm in diameter. The PF-65TVH cutout dimension shall be 7.64 inches; 194 mm and shall mount to walls/ceilings via four screw-type "L" clips. A ten contact removable Euro Block style connection strip is provided for all primary taps and is mounted on the back-can. The PF-65TVH shall include a six-foot long three-point hanging metal chain which shall allow the speaker assembly to be hung down-firing or up-firing. The complete speaker transformer, back-can and terminal strip shall be constructed of fire-retardant components and shall be the AudioTrak PF-65TVH.

