

SM52T-B(WH)

Strategy Series® Surface Mount Loudspeaker System



Features

- Compact, 2-way loudspeaker systems for exceptional performance in music and sound reinforcement systems
- Weather-resistant construction for year-round indoor or outdoor use
- UV-resistant-talc-impregnated-polypropylene injection molded enclosure, powder coated aluminum grilles and all brass hardware inserts
- Conforms to 100HR salt spray test per ASTM B117
- Color matched heavy-duty zinc chromate plated and powder coated "C" bracket (included)
- Highly efficient 5 ¼" polypropylene woofer
- 1" FerroFluid™ cooled dome tweeter
- AtlasIED TRX WAVEGUIDE™ Provides an Accurate, Constant Directivity High Frequency Coverage
- AtlasIED POLYGUARD™ high frequency circuit diverts damaging transient signals to protect the tweeter
- All ¼"-20 hardware inserts allow easy integration of "off-the-shelf" security hardware
- Screwdriver adjustable 30-Watt 70.7V / 100V Transformer for distributed sound applications. (Includes Transformer bypass setting for direct coupled 6Ω operation)
- OMNIMOUNT™ 10 Series compatible
- Available in black or white

Applications

Use surface-mount AtlasIED SM52T-B and SM52T-WH loudspeaker systems for commercial, professional and residential applications or where high-fidelity sound and weather-resistance are desired. Full-range frequency response makes these systems ideal for indoor or outdoor installation, in monaural and stereo foreground or background music systems, and for applications in boutiques/shops, restaurants/cafes, leisure, recreation/sports centers, and houses of worship. Multi-position, C-shaped mounting bracket and rugged construction provide optimum installation flexibility and assurance of long-term service.

General Description

Environment-resistant SM Series loudspeaker systems offer quality sound reproduction and contemporary styling in a compact enclosure. System components consist of a highly efficient woofer section and Ferrofluid cooled, titanium dome high frequency device. Vocal and musical clarity is optimized by the mathematically conceived, advanced design of the AtlasIED TRX Control WaveGuide™ high frequency director. This design provides smooth, even sound coverage (90°H x 90°V). The high frequency section is symmetrical, for equal coverage in both vertical and horizontal cabinet mounting positions. High frequency component protection is provided by the AtlasIED PolyGuard™ protection circuit. The SM52T includes an internally mounted 30 Watt 70.7V/100V line matching transformer with screwdriver adjustable tap selection for use in distributed sound applications. The tap selection switch also includes a transformer bypass setting for direct coupled 6Ω operation.

Specifications

Power Rating (RMS) 100 Watts
Frequency Response 85Hz – 20kHz (± 3 dB)
Sensitivity (1W/1M) 90dB
Woofer Size 5 1/4"
Woofer Cone Polypropylene
Woofer Surround Rubber
Woofer Magnet 20oz
Tweeter Size 1" (25mm)
Tweeter Diaphragm Material Mylar
Tweeter Magnet 1.39oz
Crossover Frequency 5kHz
Crossover Type 1st Order Low Pass, 2nd Order High Pass
Transformer Taps @ 70.7V .94, 1.9, 3.7, 7.5, 15, 30 Watts, & 6 Ω Bypass
Height 10 3/8" (285mm)
Width 6 7/8" (175mm)
Depth 5 7/8" (148mm)
Safety Listed UL 1480A

Installation Considerations:

Care should be taken to ensure that the chosen mounting surface is strong enough to support the SM52T. Care should also be taken to ensure that the SM52T is not exposed to direct precipitation. Under eaves installation is recommended.



Architect and Engineer Specifications

The indoor/outdoor loudspeaker system shall be AtlasIED Model SM52T-____ (B or WH) or approved equal. Assemblies shall consist of 2-way, woofer and tweeter, within environment-resistant housings. Enclosure shall be constructed of paintable UV-resistant, talc impregnated, polypropylene, injection molded plastic finished in black (SM52T-B) or white (SM52T-WH). Each unit shall include a stamped, powder coated, aluminum grille and removable C-shaped mounting bracket. All hardware inserts shall be brass and threaded ¼"-20. The 100-Watt RMS system shall have a 5 ¼" (133mm) woofer, constructed of reinforced polypropylene, and a 1" (25mm) Ferrofluid cooled tweeter. The dividing network crossover frequency shall be 5kHz. The dividing network shall include protection circuits for the high-frequency component. Each unit shall include an internally mounted 30 Watt 70.7V/100V line matching

transformer for use in distributed sound applications wattage taps shall be screwdriver selectable via a sealed switch located near the input section. Wattage taps shall be 0.94, 1.9, 3.7, 7.5, 15, 30 @ 70.7V plus transformer bypass setting for direct coupled 8Ω operation. The loudspeaker system shall meet the following performance criteria: Power handling: 100 Watts RMS; Frequency response: 85Hz – 20kHz (±3dB); Pressure sensitivity, 90dB SPL at one watt, 100Hz – 10kHz measured at a distance of one meter on axis. Input connectors shall include a two-pole barrier strip capable of accepting up to two #16AWG cables. A tongue-in-groove cover with rubber wire exit grommet shall be provided to protect the input connectors from corrosion. The unit shall be 10 ¾" (258mm) high, 6 ¾" (175mm) wide, 5 ¾" (149mm) deep. Weight Shall be 7lbs (3.17kg).