

ACP-55T

Compact Two-Way Pendant Loudspeaker

ADORN

Features

- High performance two-way pendant speaker
- 5.25" (100mm) LF driver and 0.75" (19mm) HF dome tweeter
- Wide 150° conical coverage pattern reduces speaker count required for even coverage
- 70V/100V multi-tap line transformer or 16-ohm low-impedance operation
- Low and high-frequency overload protection
- Quick release, bezel-less grille
- UL94V-0 rated baffle and enclosure
- 5-year warranty



Applications

- Retail outlets
- Cafes, bars and restaurants
- Museums and Houses of Worship
- Hotels, casinos and concourses
- Exhibition spaces and convention centres
- Transportation facilities



As part of the ADORN commercial loudspeaker series, the ACP-55T is a compact, two-way pendant loudspeaker designed for background and foreground applications that require premium performance and cost competitiveness in spaces with open ceiling architecture. It brings full-frequency response, consistent coverage and intelligibility to a wide range of architectural environments — from hotel atriums and exhibition spaces to retail outlets, bars and restaurants.

Comprising a 5.25" (100mm) LF driver and a 0.75" (19mm) silk-dome tweeter, the ACP-55T produces 109dB peak output at 1 metre and delivers superb sound quality for both music and speech reproduction. Its stylish pendant enclosure is equipped with a single-point mounting system plus provision for attaching a safety cable.

The consistent and wide 150° conical coverage of the ACP-55T reduces the number of speakers required for even coverage — leading to a reduction in installation cost.

It incorporates a high-quality transformer for 70V/100V line operation, with transformer taps selected by a rotary switch at the top of the pendant enclosure. The switch also provides for 16-ohm low impedance operation — enabling four or more speakers to be driven in parallel from a single amplifier channel. For full-bandwidth protection, the low and high-frequency sections are individually protected against overload by auto-resetting thermal fuses.

The grille is bezel-less for a clean look, its bayonet fitting is easy to remove without the use of tools and finished in white or black to match ADORN on-wall loudspeakers and may also be painted to blend with any décor.

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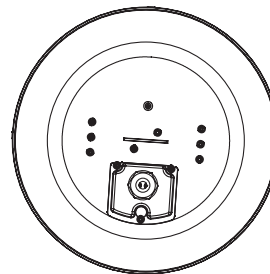


Technical Specifications

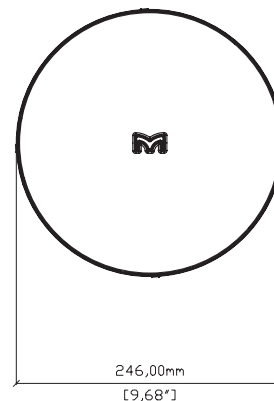
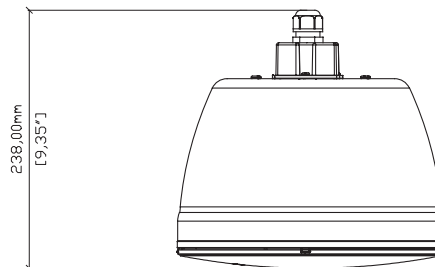
TYPE	Passive two-way pendant speaker, ported bass reflex
FREQUENCY RESPONSE (6)	98Hz-20kHz ± 3dB -10dB @ 56Hz
DRIVERS	LF: 5.25" / 1" high-temp voice coil, coated paper cone, rubber surround, ferrite motor, pressed steel chassis HF: 0.75" silk dome, neodymium motor
RATED POWER (2)	50W AES, 200W peak
RECOMMENDED AMPLIFIER	VIA2004 (for low-impedance operation)
SENSITIVITY (7)	86dB / 1W(4V) / 1m (full space)
MAXIMUM SPL (9)	109dB Peak
NOMINAL IMPEDANCE	16 ohms
DISPERSION (-6dB)	150° conical up to 7kHz
CROSSOVER	3kHz passive (LF and HF auto-resetting fuses)
TRANSFORMER TAPS	70V: 30w / 15w / 7.5w / 3.75w 100V: 30w / 15w / 7.5w
RECOMMENDED HIGH-PASS FILTER	65Hz 24dB/oct
ENCLOSURE	UL 94V-0 rated ABS baffle and enclosure
FINISH	Black or white
GRILLE	Perforated steel, powder-coated, bayonet fitting
CONNECTORS	Ceramic connector (in and link)
DIMENSIONS	(OD) 246mm x (D) 238mm (OD) 9.7in x (D) 9.35in
WEIGHT	3.46kg (7.62lbs)

Notes

- (1) Measured on-axis in half (2pi) space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half (2pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half (2pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (5) Measured on-axis in open (4pi) space at 2 metres, then referred to 1 metre.
- (6) Measured in open (4pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open (4pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (8) Measured in open (4pi) space at 2 metres with 2.83v input, using band limited pink noise, then referred to 1 metre.
- (9) Calculated at 1 metre.
- (10) Measured in half (2pi) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.



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