



# PM8FA

## PENDENT MOUNT SPEAKER SERIES

### TECHNICAL DATA SHEET



#### PRODUCT SUMMARY

Model PM8FA uses the popular AtlasIED FA series coaxial driver to provide familiar response and high efficiency while retaining economy when high density speaker counts are required in page only applications.

#### FEATURES

- 8" FA138 driver provides 100° (50° off-axis) coverage in the 2 kHz octave band.
- 70.7V taps @ 1.9, 3.8, 7.5, 15, 30, & 60 Watts plus 8 Ω direct input via concealed terminal block.
- Outstanding full range frequency response of 65 Hz – 20 kHz..

#### APPLICATIONS

The AtlasIED PM8FA was specifically designed for upscale performance in retail and hospitality applications, and features the popular FA138 loudspeaker in a specifically tuned and ported enclosure to provide impressive music reproduction and page intelligibility.

Attaching the PM8FA to most overhead surfaces is a breeze. For open beam ceilings a 3 meter cable kit is included with a self gripping ferrule system. If down pipe installation from hard ceiling material is required, any 3/4" ceiling fan installation kit may be utilized. These kits are readily available under the FANTEC™ brand from home improvement stores with various down pipe length options to provide installation ease regardless of ceiling material angle (Up to 45°).

Either installation solution is discreetly implemented via the PM series innovative top cover design concealment cap. This "cap" includes a cable access plug that is easily removed for down pipe mounting. The cover also completely conceals the speaker cable terminations and the suspension anchor points.

Several packages are offered to suit various coverage pattern and installation scenarios. For low ceilings, AtlasIED offers a discrete enclosure system containing a ultra wide coverage 4" FA series driver. For higher ceiling applications, AtlasIED PM series answers the need for a variety of budget and performance requirements with three different 8" driver options, factory assembled into a larger pendant style enclosure.

Available in black or white enclosure finish.



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### TECHNICAL SPECIFICATIONS

Power Rating	100 Watts Peak, 70 Watts RMS
Frequency Response	60 Hz – 20 kHz ( $\pm 5$ dB)
Sensitivity (1W/1M)	90 dB
Dispersion Angle	100°
Woofer Mag. Wt.	21 oz. (580 g)
Woofer	8" Poly Cone & SBR Surround
HF Driver	Coaxially Mounted PEI Dome Tweeter
Enclosure Dimensions	Diameter - 12.25" (311.15 mm), Overall Height - 16.62" (422.148 mm)
Enclosure Volume	1075 ln3 (17,616.09 cm3)
Weight	25 lbs (11.34 kg)

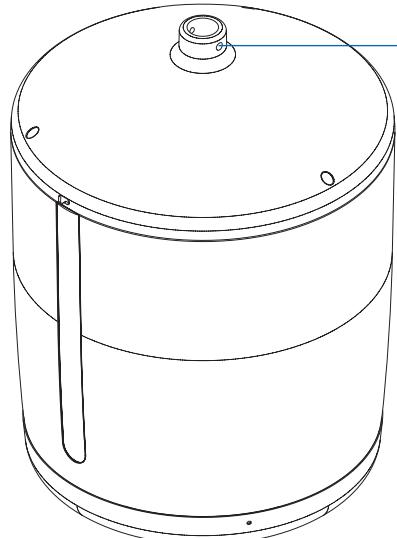
# PM8FA

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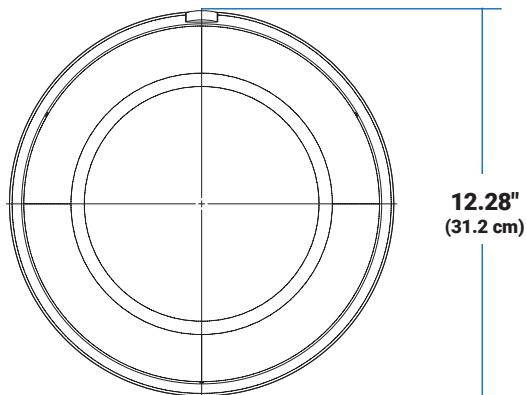


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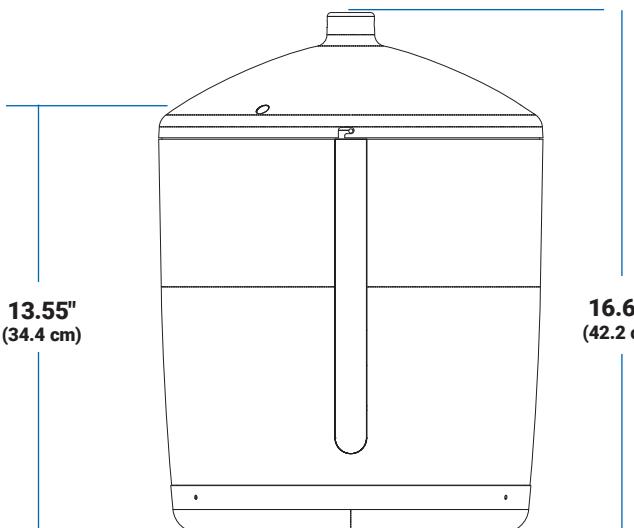
#### DIMENSIONAL DRAWINGS



1/4-20 Thread Hole for Securing  
Conduit Installation



12.28"  
(31.2 cm)



16.61"  
(42.2 cm)

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### TAP TERMINAL SELECTION



# PM8FA

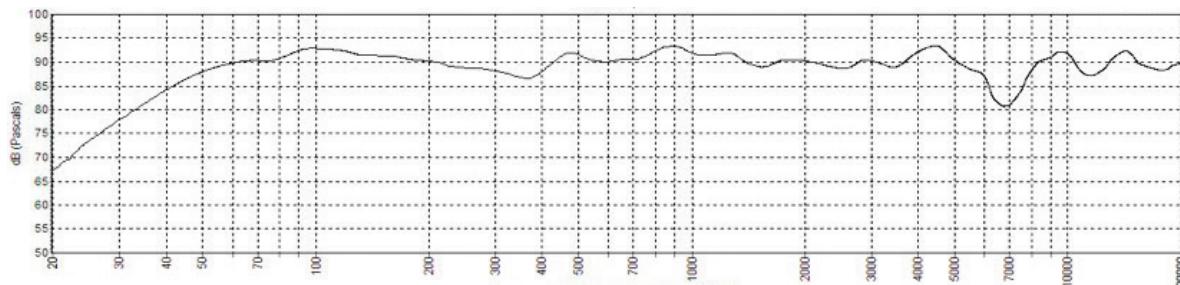
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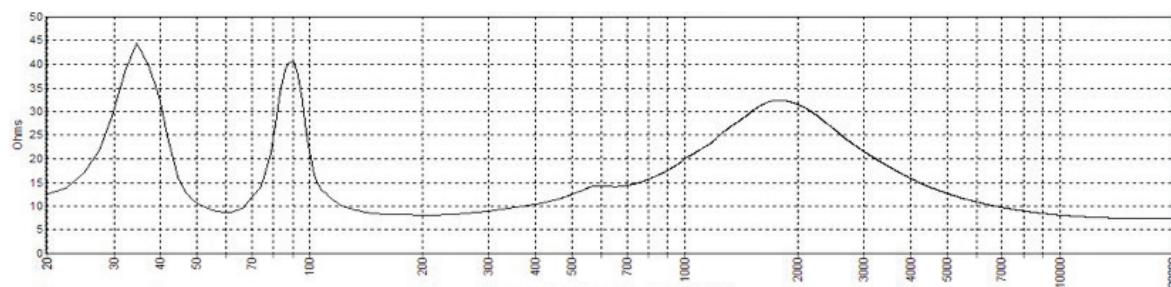
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### PERFORMANCE MEASUREMENTS

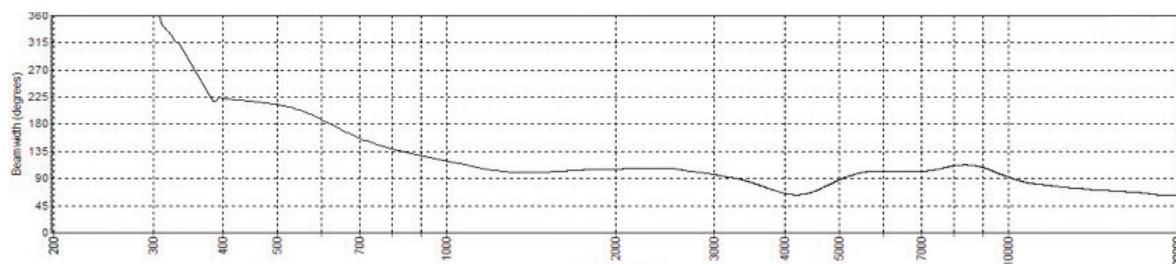
**PM8FA Frequency Response**



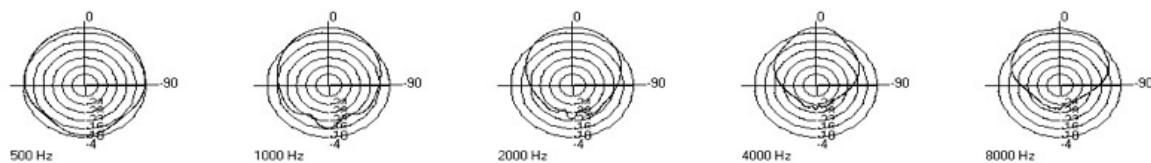
**PM8FA Impedance**



**PM8FA Beamwidth**



**PM8FA Polar Charts**



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#### ARCHITECT & ENGINEER SPECIFICATIONS

The loudspeaker system shall be shall include a high performance 8" coaxial loudspeaker, ported and tuned bass reflex enclosure and form fit grille for conventional ceiling installation via cable or down tube mounting system.

Frequency response for the system shall be 60 Hz – 20 kHz. Sensitivity shall be 90 dB peak (1 W/1 M). Loudspeaker shall be comprised of an 8" coaxial cone type driver. Cone shall be constructed of polypropylene with a butyl rubber surround. The 19 mm tweeter shall be constructed of PEI. Woofer magnet shall be a minimum of 21 oz. (595 g) and the voice coil diameter shall be 11/2" (38 mm).

Transformer shall be (70.7V / 100V) volt type with watt primary taps at 1.9, 3.8, 7.5, 15, 30, & 60 Watts (@70.7V) and a transformer bypass position for 8 Ω operation on an 8 position terminal block.

The loudspeaker system shall be the AtlasIED PM8FA.