Manuals+ — User Manuals Simplified.

TOA PJ Series Public Address Speaker Owner's Manual

Contents

TOA PJ Series Public Address Speaker

Specifications:

- Speaker Component: 8(20cm) double cone-type
- Rated Input:
    - PC-2869: 100V LINE: 6W, 70V LINE: 3W
    - PC-2852: 100V LINE: 15W, 70V LINE: 15W
- Impedance:
    - PC-2869: 100V LINE – 1.7 k (6W), 3.3 k (3W), 6.7 k (1.5W), 13 k (0.8W); 70V LINE – 1.7 k (3W), 3.3k (1.5W), 6.7 k (0.8W), 13 k (0.4W)
    - PC-2852: 100V LINE – 670 (15W), 1k (10W), 2k (5W),3.3k (3W); 70V LINE – 330 (15W),670(7.5W), 1k(5W), 2k (2.5W), 3.3k (1.5W)
- Sound Pressure Level (1m/1W): PC-2869 – 94 dB, PC-2852 – 96 dB
- Frequency Response
- Input Terminal: Push-in terminal
- Finish: Baffle – Steel plate, off-white, paint/Grille – Surface-treated steel plate net, off-white, paint

Product Usage Instructions

Installation

1. Determine the ideal location for mounting the speaker based on the venue's acoustics and layout.
2. Use the supplied brackets for projection speakers or sturdy cables for pendant speakers to securely mount them at the desired height.
3. For ceiling mount speakers, choose between horizontal or vertical installation depending on the venue's requirements.

Connection

1. Identify the appropriate input method based on the speaker's rated input and impedance.
2. Use the provided push-in terminal to connect the speaker to the audio source.

Customization:

1. Repaintable speakers allow you to customize the color to match your venue's decor.

FAQ

Q: Can I use these speakers in high-ceiling applications?
A: Yes, pendant and projection speakers are designed for high-ceiling installations with features like extendable cables and high sound pressure levels.

Q: Are these speakers easy to install?
A: Yes, TOA speakers come with innovative installation methods that reduce installation time significantly compared to conventional models.

An innovative balance of form and function, plus superbly easy installation.

A completely novel design that is a true combination of form and function.

- TOA engineers have worked long and hard to create round speakers with an optimal balance of design and performance.
- Pendant and projection speakers are inspired by the finest lighting fixtures, for a perfect harmony with architecture and decor.
- Repaintable speakers allow you to customize the color any way you like.
- High sound pressure level of up to 30W input ensures excellent sound reproduction in high-ceiling and wall-mount applications.
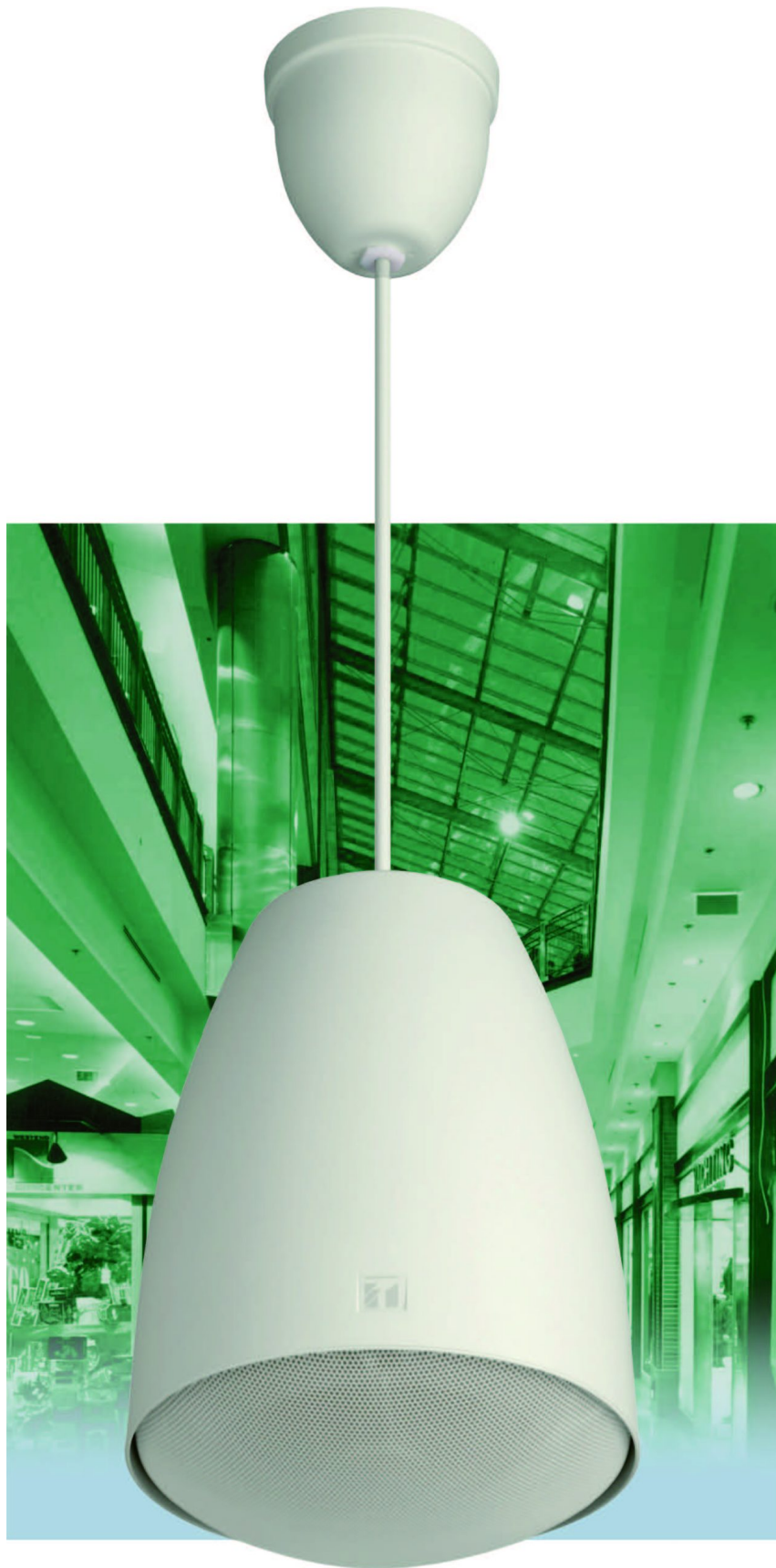
PJ-64/304 Projection Speaker
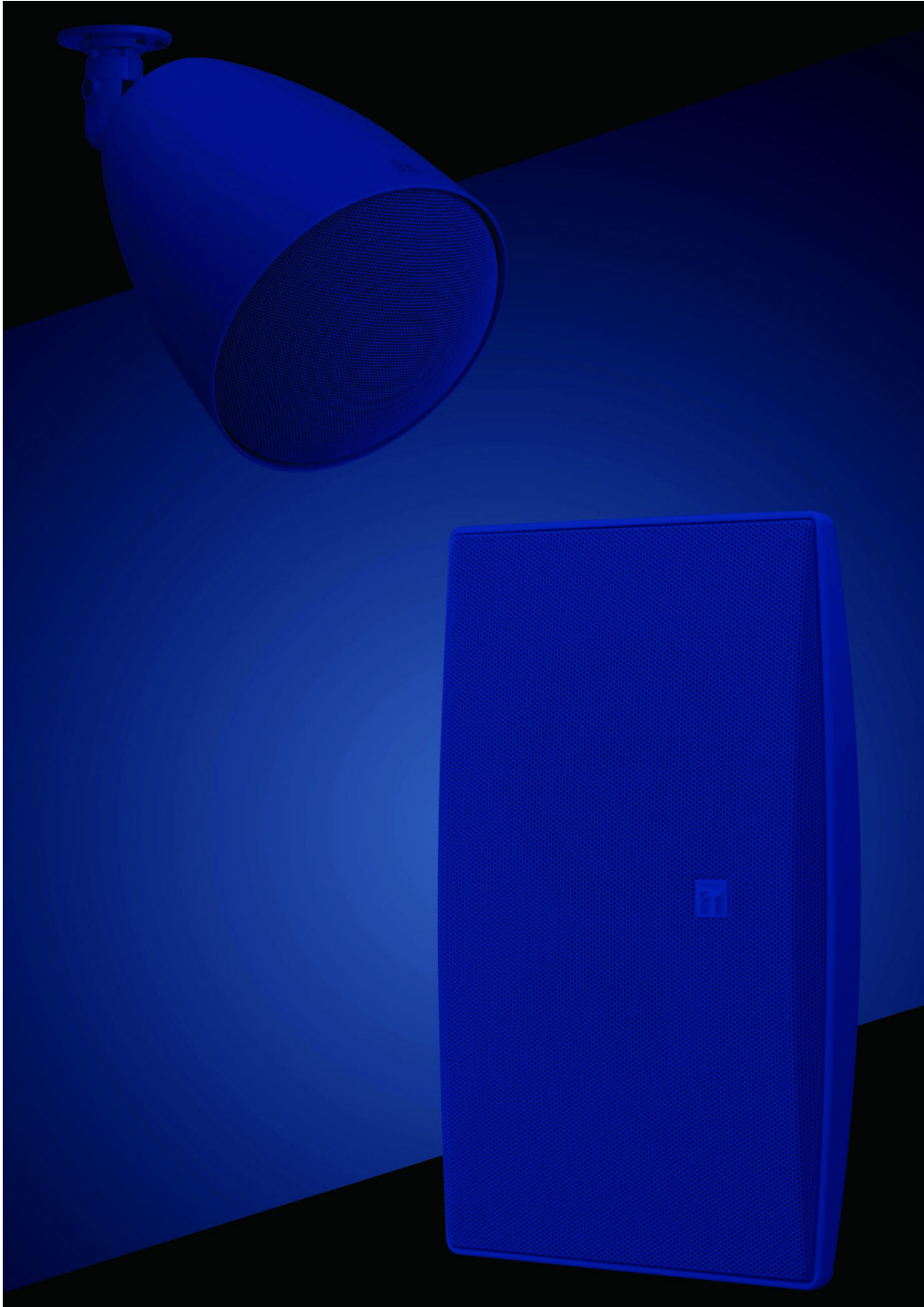Supplied brackets ensure flexible speaker direction changes.

PE-64/304 Pendant Speaker
Sturdy cable, extendable up to 5 meters, enables speaker mounting even from a high ceiling.

Speakers with fast installation, standout performance and a design that fits in beautifully

TOA public address speakers come in a wide line-up that gives you just the speaker you need, whether your choice is based on design, cost or installation requirements. TOA has developed new speaker component parts that are standardized to ensure quality sound reproduction from all speaker models, in every application. Comprehensive TOA efforts in creating speaker designs that harmonize with the venue's architecture and décor have led to speakers that emphasize unobtrusive mounting. In addition, TOA's unceasing pursuit of fitting design and engineering breakthroughs has resulted in the elimination of a considerable amount of wasted time during installation.

Uncomplicated and easy-to-use fittings cut installation time to half that of conventional models.

- Simple and easy installation, thanks to TOA's new proprietary SUS spring-based installation method.
- All speakers employ the same simple and easy installation method, unaffected by their diameter size.
- Greater variety of ceiling flush-mount speaker diameters and functions, for application flexibility that suits every situation.
- Finely crafted design with thin panel that does not detract from venue architecture or interior decor.
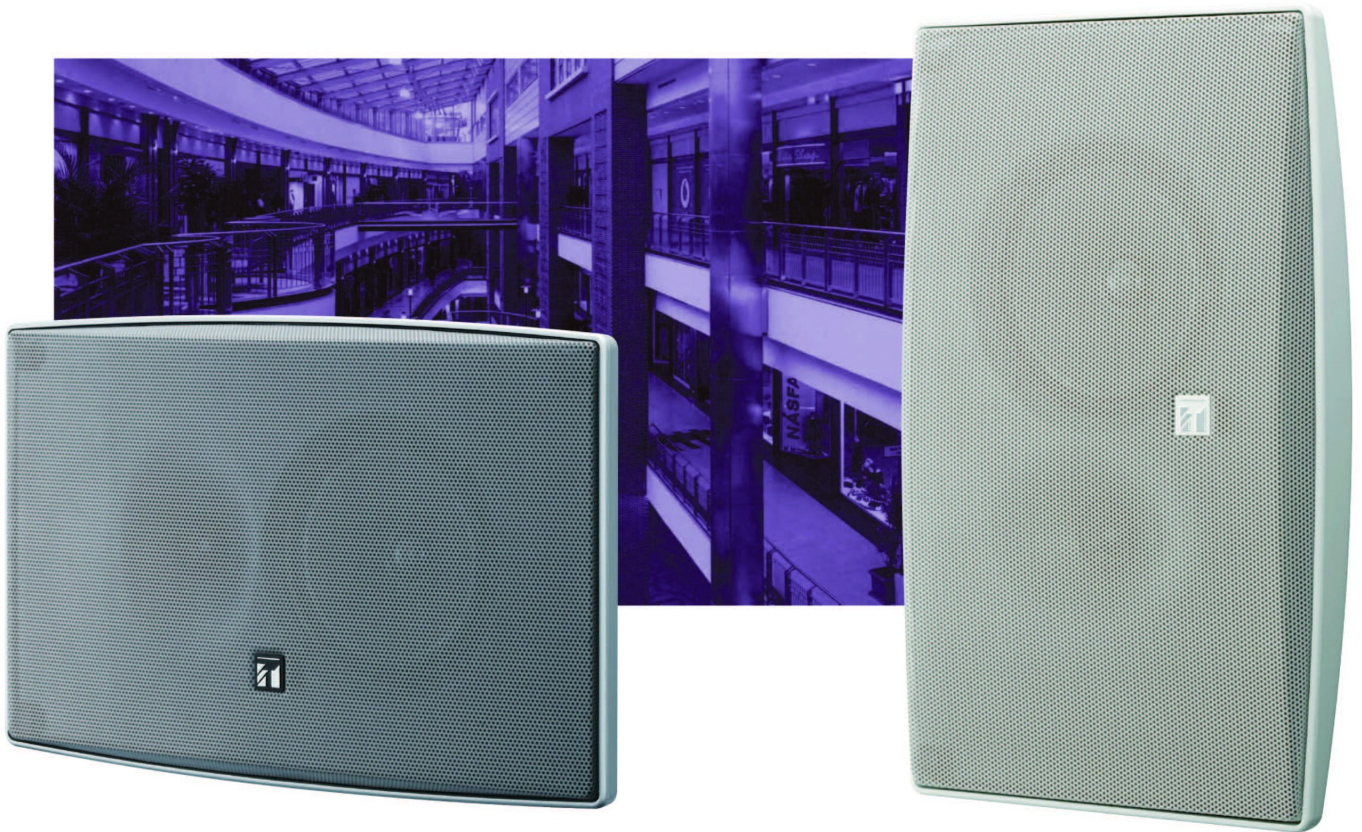
Ceiling Mount Speakers

Specifications

Specifications	PC-2869	PC-2852
Speaker Component	8″(20cm) double cone-type	8″(20cm) Coaxial 2-way cone-type
Rated Input	100V LINE: 6W, 70V LINE: 3W	100V LINE: 15W, 70V LINE: 15W
Impedance	100V LINE: 1.7 kΩ (6W), 3.3 kΩ (3W), 6.7 kΩ (1.5W), 13 kΩ (0.8W) 70V LINE: 1.7 kΩ (3W), 3.3kΩ (1.5W), 6.7 kΩ (0.8W), 13 kΩ (0.4W)	100V LINE: 670Ω (15W), 1kΩ (10W), 2kΩ (5W),3.3kΩ (3W) 70V LINE: 330Ω (15W),670Ω(7.5W), 1kΩ(5W), 2kΩ (2.5W), 3.3kΩ (1.5W)
Sound Pressure Level (1m/1W)	94 dB	96 dB
Frequency Response	40 – 20,000 Hz	45 – 20,000 Hz
Input Terminal	Push-in terminal	
Finish	Baffle: Steel plate, off-white, paint/Grille: Surface-treated steel plate net, off-white, paint	
Dimensions	ø280 × 92(D)mm (ø11.02″ × 3.62″)	

Choice of horizontal or vertical installation for a more exact match with the venue.
Innovative BS-634/634T/1034/1034S and BS-680F/FC design is based on the Golden Ratio (1: 1.618), a proportion widely used in Western architecture that is especially pleasing to the eye.
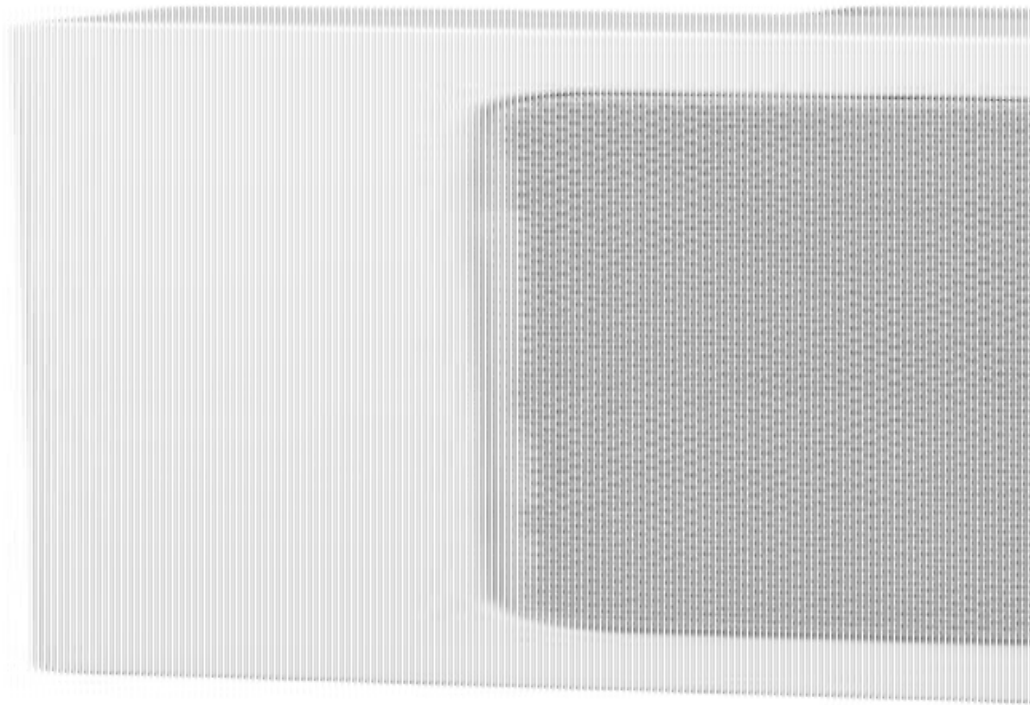Surface stains easily removable from metal punching net.

BS-634 /634T/1034
Unparalleled ease and simplicity of installation, with simultaneous wiring and mounting capability, then just putting in the speaker unit.
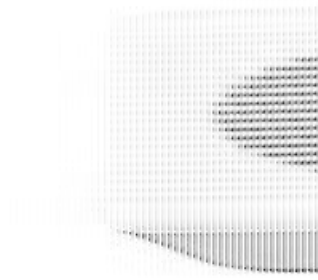
BS-680F/680FC
Strong, all-metal body construction makes this an ideal speaker for emergency broadcasting applications.

BS-633A/633AT

Six watts of output power is double that of 3W conventional speakers. Excellent cost-performance ratio.

BS-678/678T/678B/678BT
Suitable for a wide range of applications, and with an excellent cost-performance ratio. Quick and easy installation.

Wall Mount Speakers

Specifications BS-633A	BS-633AT	BS-634	BS-634T	BS-1034	BS-1034S
Speaker Component	5″ (12cm) cone-type	5″(12cm) cone-type		5″(12cm) cone-type + balanced dome tweeter	
Rated Input	100V LINE: 6W, 70V LINE: 3W	100V LINE: 6W, 70V LINE: 3 W		100V LINE: 10W, 70V LINE: 10W	
Impedance	100V LINE: 1.7 kΩ (6W), 3.3 kΩ (3W), 10 kΩ (1W) 70V LINE: 1.7 kΩ (3W),3.3 kΩ (1.5W), 10 kΩ (0.5W)	100V LINE: 1.7 kΩ (6W), 3.3 kΩ (3W) 70V LINE: 1.7 kΩ (3W),3.3 kΩ (1.5W)	100V LINE: 1.7 kΩ (6W),3.3 kΩ (3W) 70 V LINE: 1.7 kΩ (3W),3.3 kΩ (1.5W)	100V LINE: 1.7 kΩ (6W) 70V LINE: 1.7 kΩ (3W)	100V LINE: 1kΩ (10W), 2kΩ (5W), 3.3kΩ (3W),10kΩ (1W) 70V LINE: 500Ω (10W),1kΩ (5W), 2kΩ (2.5W),3.3kΩ (1.5 W), 10kΩ (0.5W)	
Sound Pressure Level (1m/1W)	91 dB	90 dB				
Frequency Response	120 – 15,000Hz	120 – 18,000Hz		120 – 20,000Hz		
Input Terminal	Push-in terminal	M4 screw terminal				
Attenuation	–	3W: OFF, 1(-12dB), 2(-6dB), 3(0dB) 6W: OFF, 1(-13dB), 2(-7dB), 3(0dB)	–	OFF, 1(-12dB), 2(-6dB), 3(0dB)	–	
Finish	Case: ABS resin, Off-white Rear board; Hard board		Enclosure: HIPS resin, off-white Grille: Surface-treated steel plate net, off-white, paint		Enclosure: HIPS resin, off-white Grille: Steel plate net, off-white, paint	Enclosure: HIPS resin, silver, paint Grille: Steel plate net, silver, paint
Dimensions	173(W) × 195(H) × 101(D)mm (6.81″× 7.68″ × 3.98″)	208(W) × 327(H) × 79(D)mm (8.19″ × 12.87″ × 3.11″)				

Specifications BS-678	BS-678T	BS-678B	BS-678BT	BS-680F	BS-680FC
Speaker Component	6″(16cm) double cone-type			6″(16cm) double cone-type	
Rated Input	100V LINE: 6W, 70V LINE: 3W			100V LINE: 6W, 70V LINE: 3W	
Impedance	100V LINE: 1.7 kΩ (6W), 3.3kΩ (3W), 6.7 kΩ (1.5W), 13kΩ (0.8W) 70V LINE: 1.7 kΩ (3W), 3.3 kΩ (1.5W), 6.7 kΩ (0.8W), 13 kΩ (0.4W)			100V LINE: 1.7 kΩ (6W), 3.3 kΩ (3W), 6.7 kΩ (1.5W), 13 kΩ (0.8W) 70V LINE: 1.7 kΩ (3W), 3.3 kΩ (1.5W), 6.7 kΩ (0.8W), 13 kΩ (0.4W)	
Sound Pressure Level (1m/1W)	94 dB				
Frequency Response	150 – 20,000 Hz				
Input Terminal	Push-in terminal				Screw connector (ceramic terminal)
Attenuation	–	OFF, 1 (-12dB), 2 (-6dB), 3 (0dB)	–	OFF, 1(-12dB), 2(-6dB), 3(0dB)	–	
Finish	Baffle: HIPS resin, off-white Cabinet: Wood, off-white Grille: Surface-treated steel plate net, off-white	Baffle: HIPS resin, black Cabinet: Wood, black Grille: Surface-treated steel plate net, black		Baffle: Steel plate, off-white Cabinet: Steel plate, off-white Grille: Surface-treated steel plate net, off-white	
Dimensions	250(W) × 190(H) × 110(D)mm (9.84″ × 7.48″ × 4.33″)			310(W) × 190(H) × 87.2(D)mm (12.20″ × 7.48″ × 3.43″)	

Pendant Speakers   **Projection Speakers**

Specifications	PE-64	PE-304	PJ-64	PJ-304
Speaker Component	5″(12cm) cone-type	5″(12cm) cone-type + balanced dome tweeter	5″(12cm) cone-type	5″(12cm) cone-type + balanced dome tweeter
Rated Input	100V LINE: 6W, 70V LINE: 3W	100V LINE: 30W, 70V LINE: 30W LOW IMP.: 8Ω	100V LINE: 6W, 70V LINE: 3W	100V LINE: 30W, 70V LINE: 30W LOW IMP.: 8Ω
Impedance	100V LINE: 1.7kΩ (6W), 3.3kΩ (3W),10 kΩ (1W) 70V LINE: 1.7kΩ (3W), 3.3kΩ (1.5W),10 kΩ (0.5W)	100V LINE: 330Ω (30W), 500Ω (20W), 670Ω (15W) , 1kΩ (10W), 2kΩ (5W) 70V LINE: 170Ω (30W), 250Ω (20W), 330Ω (15W), 500Ω (10W), 1 kΩ (5W) LOW IMP: 8Ω (30W)	100V LINE: 1.7kΩ (6W), 3.3kΩ (3W),10 kΩ (1W) 70V LINE: 1.7kΩ (3W), 3.3kΩ (1.5W),10 kΩ (0.5W)	100V LINE: 330Ω (30W), 500Ω (20W), 670Ω (15W) , 1kΩ (10W), 2kΩ (5W) 70V LINE: 170Ω (30W), 250Ω (20W), 330Ω (15W), 500Ω (10W), 1 kΩ (5W) LOW IMP: 8Ω (30W)
Sound Pressure Level (1m/1W)	90 dB	91 dB	90 dB	91 dB
Frequency Response	100 – 18,000 Hz	70 – 20,000 Hz	100 – 18,000 Hz	70 – 20,000 Hz
Input Terminal	Push-in terminal		–	
Finish	Enclosure: HIPS resin, off-white Grille: Surface-treated steel plate net, off-white, paint		Enclosure: HIPS resin, off-white Grille: Surface-treated steel plate net, off-white, paint	
Dimensions	ø186 × 251(H) mm (ø7.32″ × 9.88″) (unit only)		ø186 × 369(H) mm (ø7.32″ × 14.33″)	

Specifications are subject to change without notice for improvement. (202501)833-52-379-6C v

Documents / Resources

TOA PJ Series Public Address Speaker [pdf] Owner's Manual
PJ Series Public Address Speaker, PJ Series, Public Address Speaker, Address Speaker, Speaker

References

- **User Manual**