

## DSP7154/DSP7166/DSP7181

### 40W 60W 100W Coaxial Ceiling Speaker with Power Tap



#### Description

This product is a ceiling speaker with a coaxial design, featuring a full-range driver and a tweeter, complemented with a rear cover. It supports both 8Ω and 100V line inputs, with selectable power taps for flexible configuration. The terminal connectors are located at the front for easy installation and setup. Featuring a ported design for enhanced bass and separate tweeter and woofer, it delivers improved sound quality. With its sleek, modern aesthetics and superior audio performance, it is an ideal solution for sound reinforcement.

#### Features

- Unit Driver: Equipped with 1 full-range driver and 1 tweeter for rich sound.
- Rated Power: 40W/60W /100W for consistent audio performance, ensuring a stable audio output.
- Power Mode: This product supports both 8Ω low impedance and 100V constant voltage input, with a built-in power tap selector knob for easy adjustment.
- Sensitivity: 87dB/90dB/92dB at 1m/1W for efficient response.
- Max. SPL.: 103dB/108dB /112dB at 1m for loud output.
- Freq. Resp.: 80Hz-20KHz/75Hz-19KHz/70Hz-20KHz, covering the audible spectrum.
- Input Connector: 4-Pin Phoenix Terminal.
- Grille Type: Metal Grille.

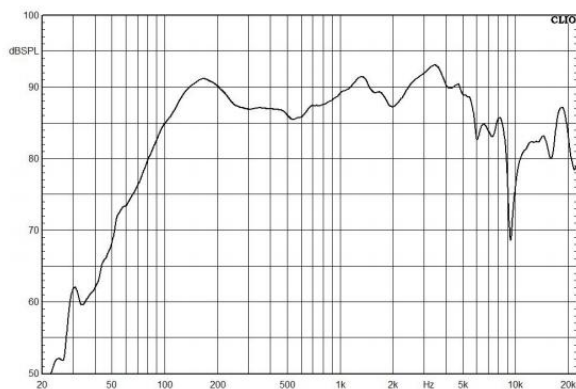
Model		DSP7154	DSP7166	DSP7181
Drive Units	Full-range	5"x1	6"x1	8"x1
	Tweeter	1"x1	1.5"x1	1.5"x1
Rated Power (RMS)		40W	60W	100W
Power Adjustment	100V	40W-20W-10W-5W-2.5W	60W-30W-15W-7.5W-3.75W	100W-50W-25W-12W-6W
	8Ω	40W	60W	100W
Freq. Response		80Hz-20KHz	75Hz-19KHz	70Hz-20KHz
Sensitivity		87dB	90dB	92dB
Maximum SPL		103dB	108dB	112dB
Dimension(Diameter*Height)		235mm×135mm	271mm×150mm	334mm×178mm
Cutout Dimension		205mm	238mm	294mm
Input Connector		4-Pin Phoenix Terminal		
Grille Type		Metal Grille		

## Product Information

### DSP7154 5" 40W Coaxial Ceiling Speaker

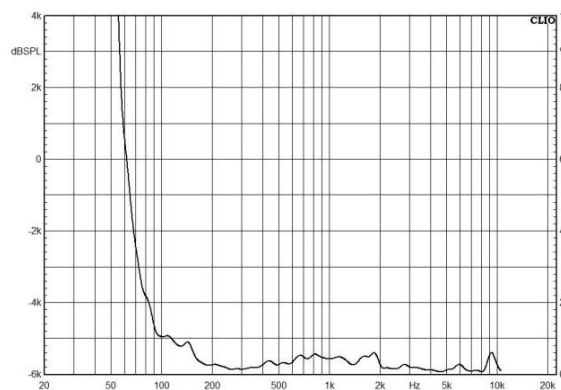
#### Frequency Response

(dB SPL, 1W, 1m)



#### Distortion

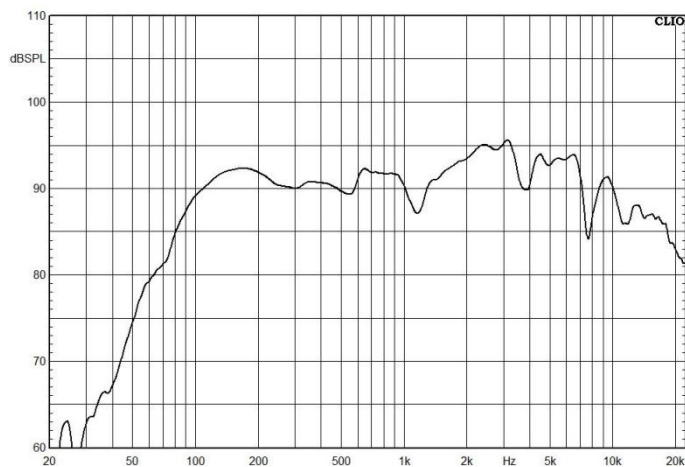
(THD < 1.5% 1W, 1m, 100Hz-10kHz)



## DSP7166 6" 60W Coaxial Ceiling Speaker

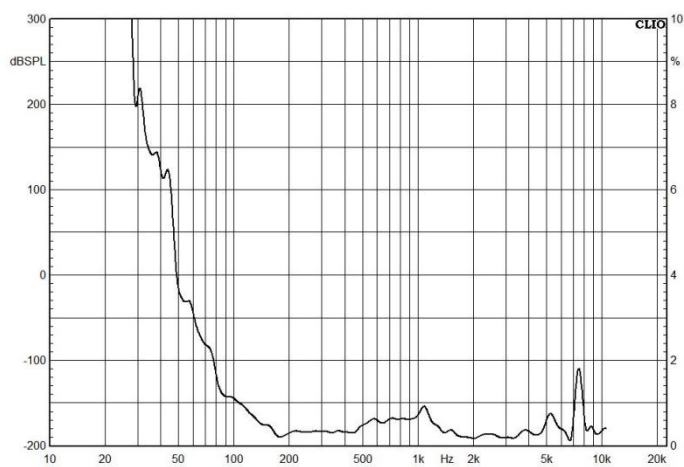
### Frequency Response

(dB SPL, 1W, 1m)



### Distortion

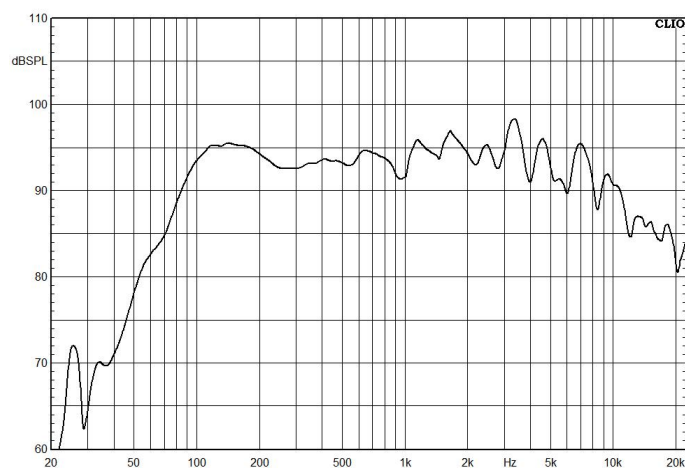
(THD < 1.5% 1W, 1m, 100Hz-10kHz)



## DSP7181 8" 100W Coaxial Ceiling Speaker

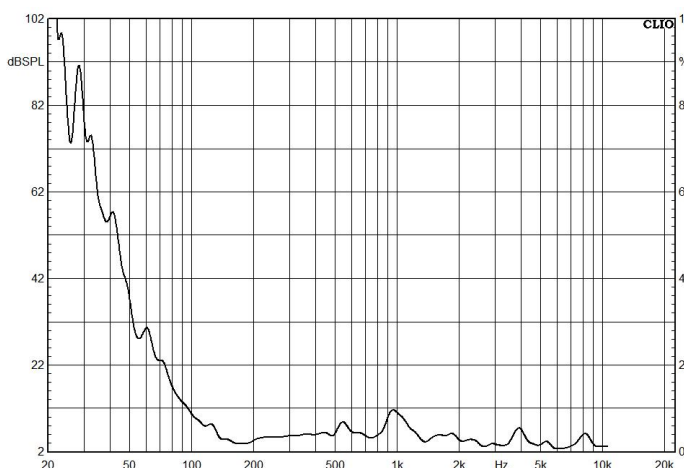
### Frequency Response

(dB SPL, 1W, 1m)



### Distortion

(THD < 1.5% 1W, 1m, 100Hz-10kHz)



## Installation

1. Before installation, ensure the ceiling thickness is not less than 10mm, not more than 30mm, and the internal height (depth) is not less than 200mm.(Figure ①)
2. Insert the speaker through the cut-out hole and onto the bridge plate. Ensure the anchor bolt engages with the bridge plate before loosening the speaker's handles. (Figure ②)
3. Disconnect the terminal connectors, wire the speaker, then re-insert the connectors into the speaker terminals. (Figure ③)
4. Tighten the anchor arm screws to secure the speaker. If using a power drill, set it to a low torque setting.

(Note: Over-tightening the screws may damage the anchor post mounting points or the ceiling, creating a risk of the speaker falling.) (Figure ④)

