

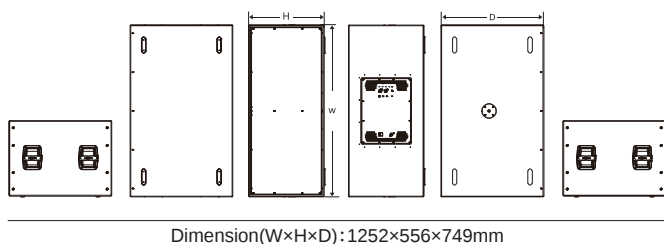
AVANDA 218A

The AVANDA 218A is an active subwoofer specifically designed for mobile applications, rental companies and fixed installations; wherever exceptional sound quality is needed.

It features two custom-designed 18-inch neodymium drivers with 4-inch voice coil.

The AVANDA 218A seamlessly complements Audiocenter's full-range loudspeakers, expanding the frequency response range. They deliver powerful, impactful low-end reinforcement.

With its modular design, the AVANDA 218A offers high flexibility, allowing a cardioid subwoofer pattern and large-scale speaker array configurations. It allows for suspension of up to 12 speakers, providing sound engineers with great convenience and flexibility for installation.



Key Features

- ⊙ Long Excursion
- ⊙ High power handling
- ⊙ Low distortion
- ⊙ 3 presets
- ⊙ High end DSP, with 96KHz signal sampling frequency
- ⊙ Sleep mode automatically if without signal input for 45mins
- ⊙ Class D amplifier
- ⊙ Advanced cooling system in the driver
- ⊙ Multilayer baltic birch plywood
- ⊙ Durable polyurea coating
- ⊙ Support hanging installation

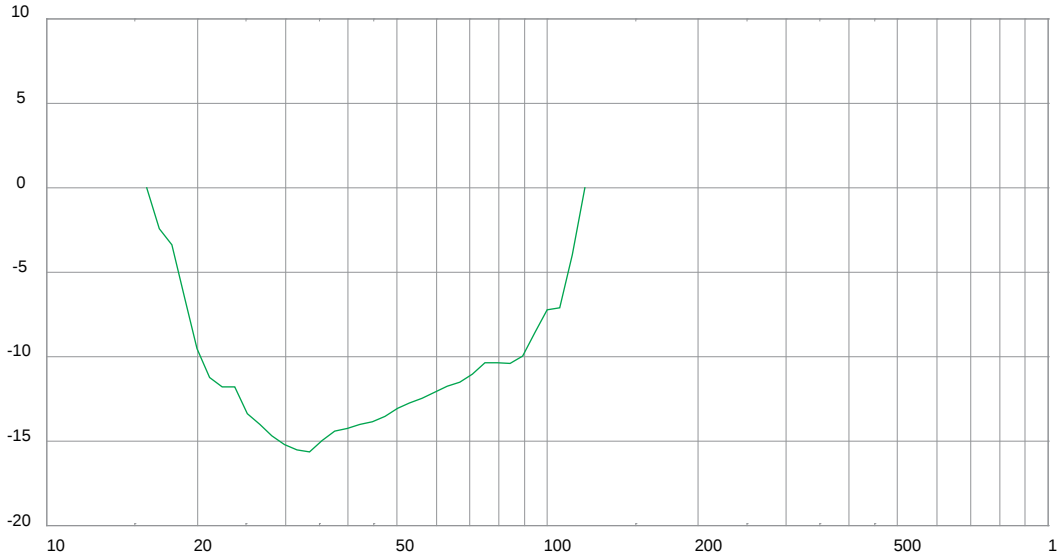
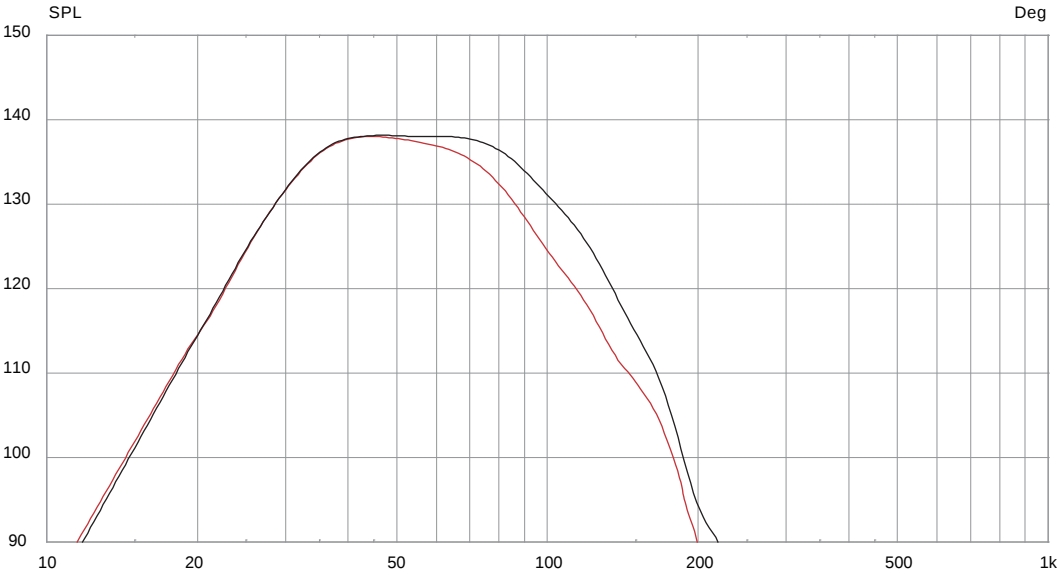


SPECIFICATION

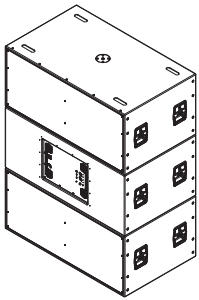
Type	Active DSP-controlled subwoofer
Frequency Response(-10dB)	27Hz-110Hz
Maximum Calculated	138dB/144dB
SPL/1M(Continuous/Peak)	
LF Driver	Customized 2x18" Neodymium driver, 4.0"voice coil
DSP	
Processor	96kHz signal sampling frequency
Presets	80Hz,100Hz,Cardioid
AMPLIFIER	
Amplifier Circuitry	Class D
Power(RMS standards)	4000W
Peak Power	8000W
Frequency Response	20Hz-20kHz(±1dB)
(1W 8Ω 2ch)	
Intermodulation Distortion	< 0.1%
Total Harmonic Distortion	< 0.1%
Cooling	Cooling with fans,air convection
Protection	DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection
Signal Input	Female XLR
Signal Output	Male XLR
Power Input	Power connector
AC Power Operating Range	100V-130V~ or 220V-240V~(±10%,50/60Hz)
Power consumption	500W
(1/8 output power)	
CABINET	
Cabinet Material	Multilayer baltic birch plywood
Coating	Durable Polyurea Coating
Cabinet Color	Black is the default color. Contact Audiocenter for customization
Grille	Iron mesh
Handles	4 side
Pole Mount	M20 base Φ35mm
Speaker Dimension(W×H×D)	1252×556×749mm
Carton Dimensions (W×H×D)	1348×655×845mm
Net Weight	99.0kg
Shipping Weight	107.0kg



Frequency Response Graphs

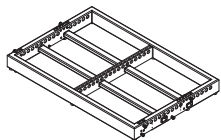


Backwards attenuation in cardioid mode

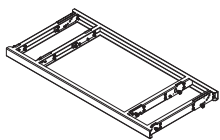


Cardioid configuration

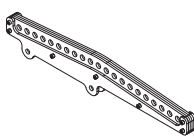
Accessories



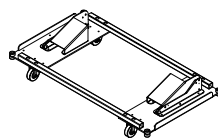
AVANDA212A/210A flying and ground-stacking frame



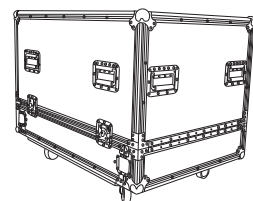
AVANDA212A to 210A Coupling Frame



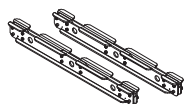
AVANDA212A extension bar



AVANDA212A/210A dolly + protective cover (for 4 cabinets)



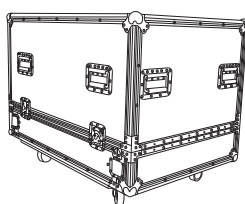
AVANDA 212A/210A Flightcase For 2 cabinets, with 100mm wheels



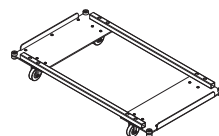
AVANDA218A Flying frame set



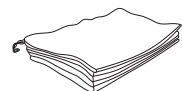
AVANDA218A Hanging side-brackets kit



AVANDA 218A Flightcase For 1 cabinet, with 100mm wheels



AVANDA 218A dolly + protective cover (for 3 cabinets)



Rain bag (customized)

Installations

