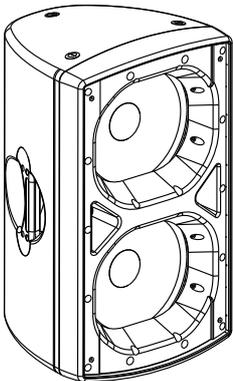




CITRONIC®
PROFESSIONAL AUDIO

CONTENTS

PRODUCT FEATURES	1
SPECIFICATION	1
ACOUSTIC CHARTS	2
INSTALLATION	6
DIMENSIONS	6
LIMITED WARRANTY	7



CS-6004

PRODUCT FEATURES

CS-6004 is a compact, high sensitivity, high output full range passive plastic speaker. The adoption of coaxial drivers allows very compact cabinet design with the HF and LF section sharing one horn. When configured with speaker controller and subwoofer, CS-6004 can set up a more powerful sound system. An intermediate design between small-sized direct radiation form and large-sized horn loading form is applied to make CS-6004. That means that CS-6004 is virtually a fully horn loaded full range speaker system due to the adoption of passive crossover mode, so it can also be used independently without adding any subwoofers.

Acoustically, CS-6004 is designed to be a 2+1 crossover system, that is to say, systematically it is a 2-way speaker consisting of one 12" neodymium mid-low section and one 12" coaxial neodymium full range section.

The directivity of the system is improved as a result of the separate mid-high sound output through the upper 12" transducer and pure LF output through the lower 12" transducer due to the second step crossover program via a low pass filter, which eliminates the interference from the mid-high range. The larruping technical design equips CS-6004 with both outstanding performance and application flexibility.

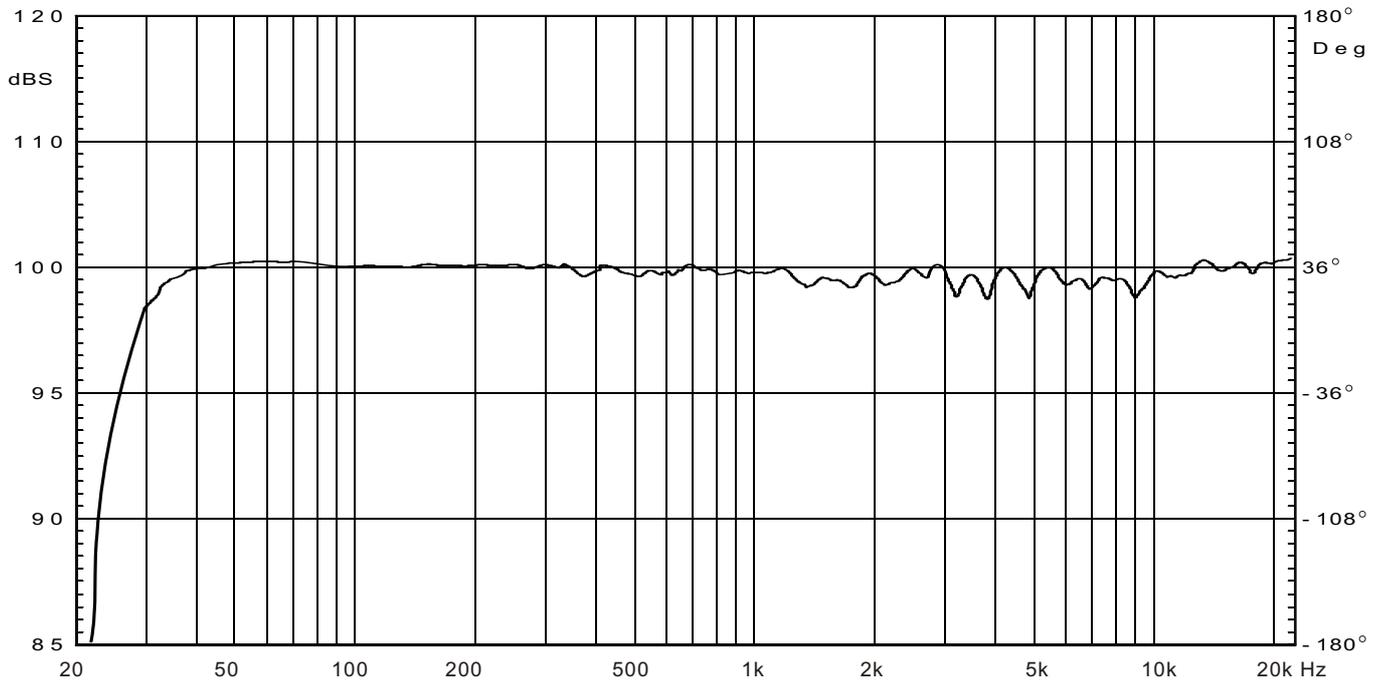
CS-6004 is capable to carry out various tasks because of its maximum SPL reaching 130dB and a wide frequency range from 60Hz to 20KHz. It can set up clusters with many cabinets for real application. The standard type CS-6004 cabinet has integrated flying points for easy suspension. Optional flyware for cluster building installation is also available for user's convenience.

SPECIFICATION

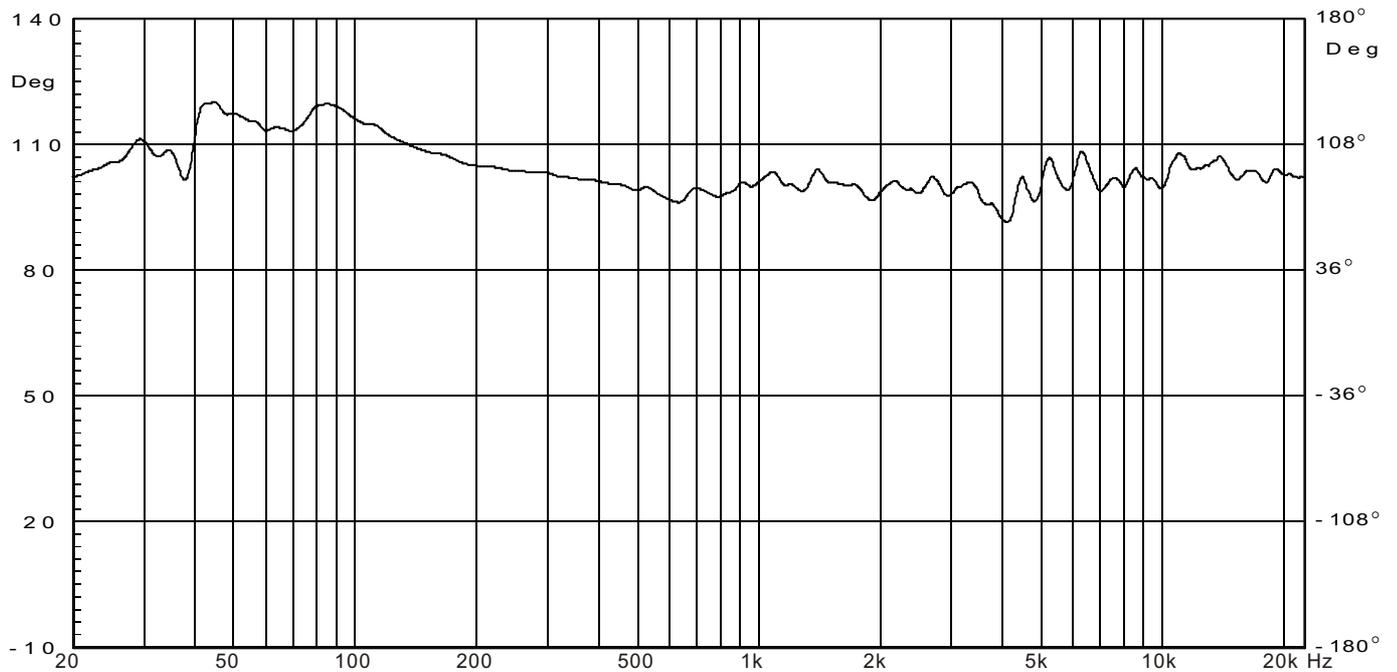
Transducers	LF: 12" × 1 MF: 12" × 1 HF: φ44mm × 1
Frequency Response(-3dB)	45Hz-20kHz
Sensitivity(1m/1W)	99dB
SPL(1m)	128dB
Max.SPL(1m)	134dB
Power(RMS)	800W
Power(Program)	1600W
Power(Peak)	3200W
Rated Impedance	4 Ω
DC impedance	3.6 Ω
Dispersion(H×V)	60° × 60°
Crossover Point	2.2kHz
THD	<3%
Input Connectors	NL4 × 2, 1+ 1-
Net Weight	23kg
Gross Weight	27kg
Dimensions(W×D×H)	416 × 423 × 721mm
Packing Dimensions(W×D×H)	485 × 485 × 792mm

CS-6004

FREQUENCY RESPONSE

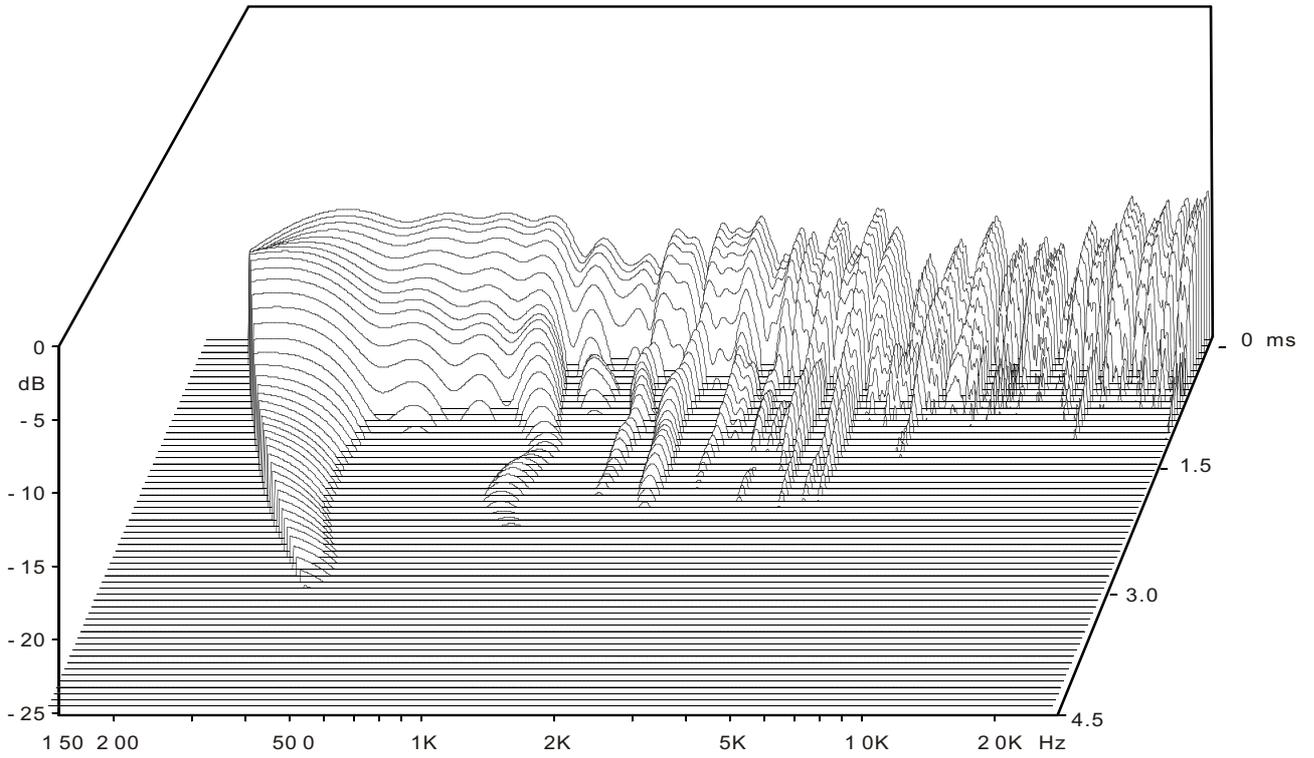


PHASE RESPONSE

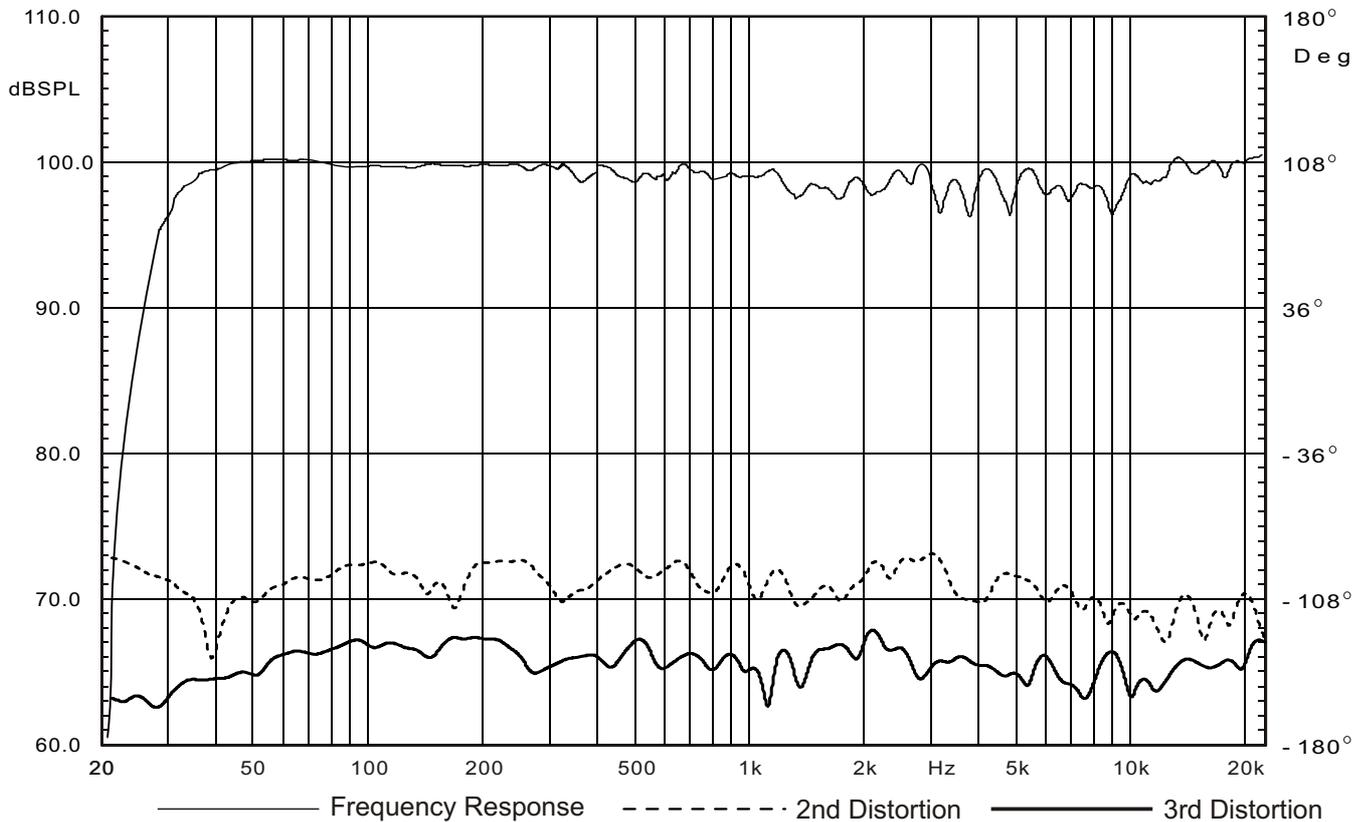


CS-6004

WATERFALL



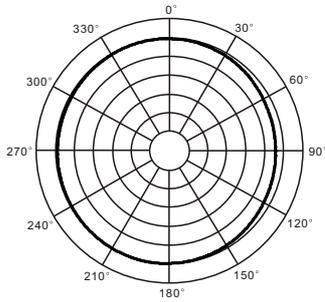
THD



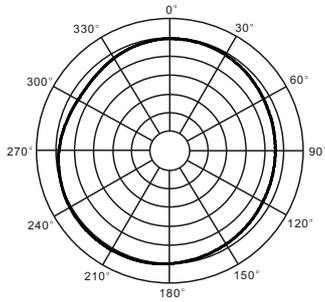
CS-6004

HORIZONTAL DIRECTIVITY

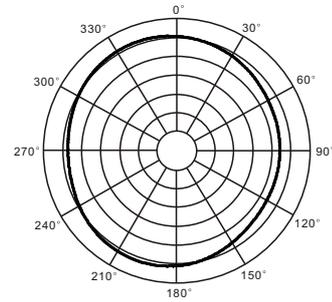
The data of CS-6004 horizontal directivity were collected by testing the speaker system in a big anechoic chamber.



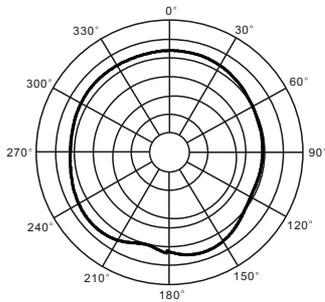
100Hz



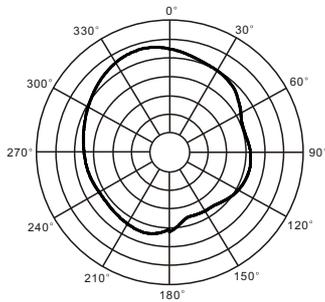
160Hz



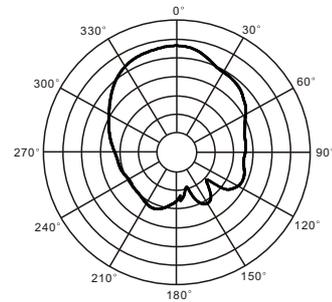
200Hz



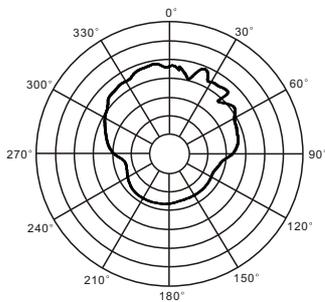
400Hz



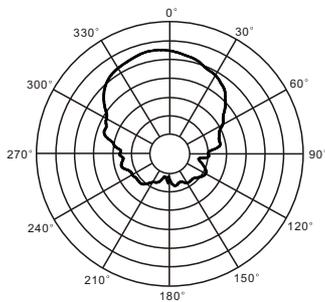
630Hz



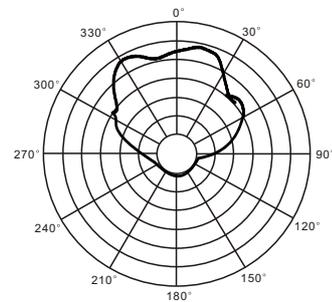
1.0kHz



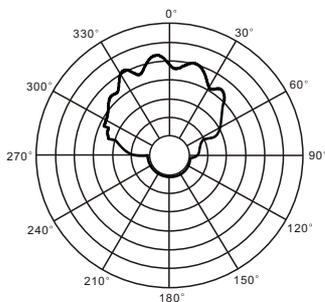
1.6kHz



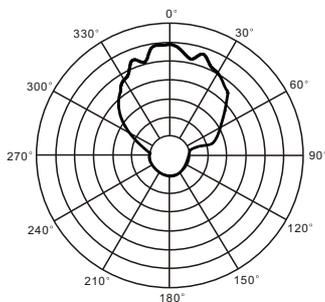
2.5kHz



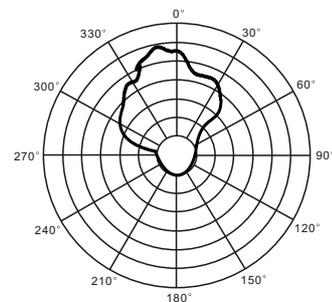
3.15kHz



6.3kHz



10kHz



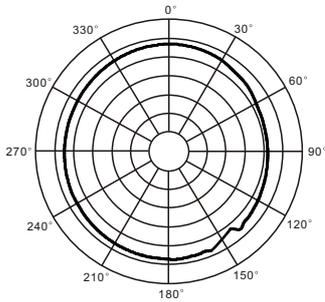
16kHz

The scale is stepped by 6dB increment.

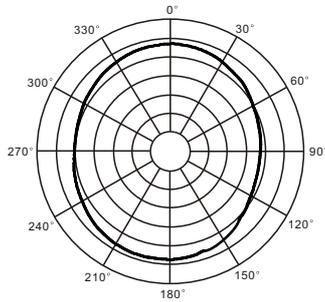
CS-6004

VERTICAL DIRECTIVITY

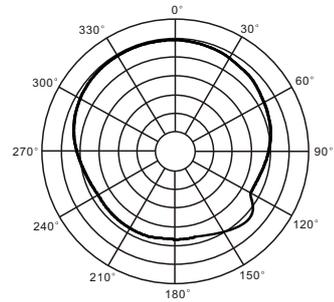
The data of CS-6004 vertical directivity were collected by testing the speaker system in a big anechoic chamber.



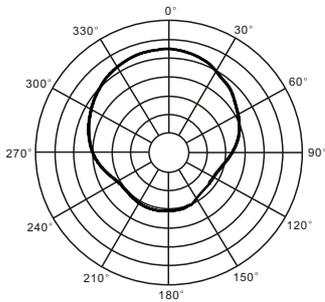
100Hz



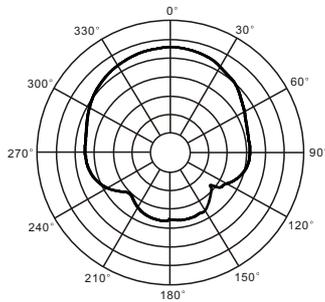
160Hz



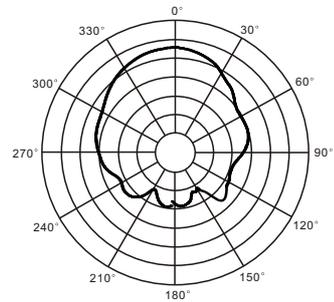
200Hz



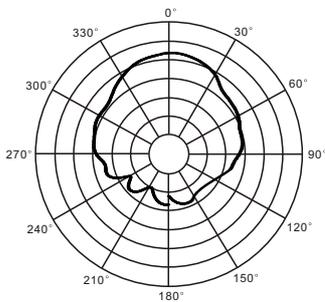
400Hz



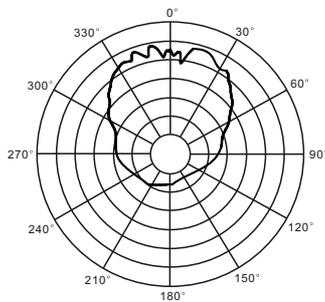
630Hz



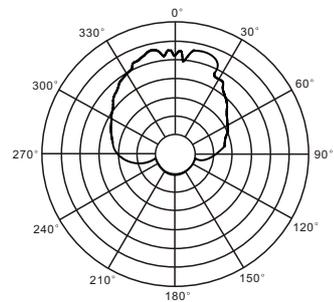
1.0kHz



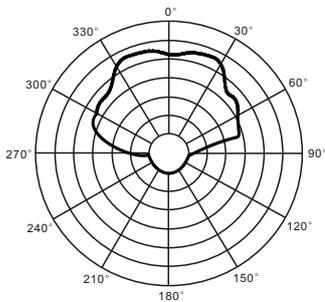
1.6kHz



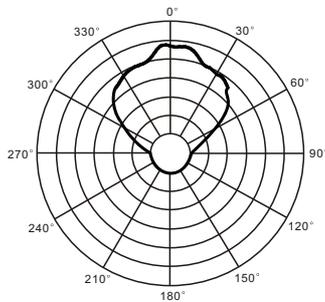
2.5kHz



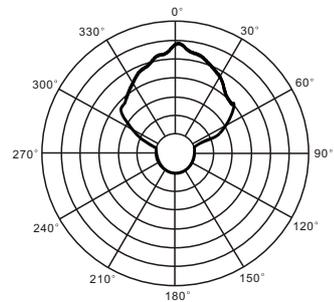
3.15kHz



6.3kHz



10kHz

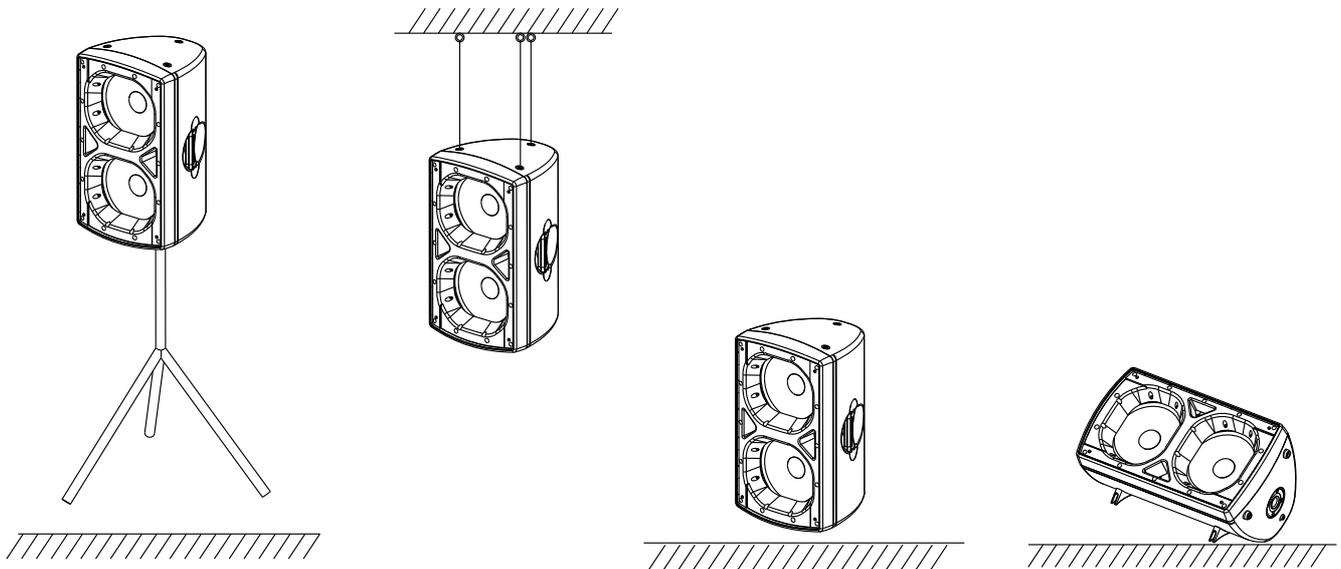


16kHz

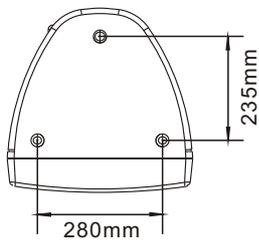
The scale is stepped by 6dB increment.

CS-6004

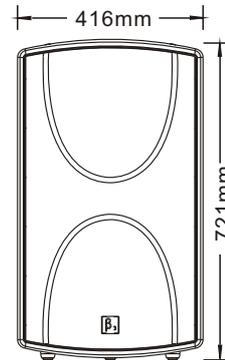
INSTALLATION



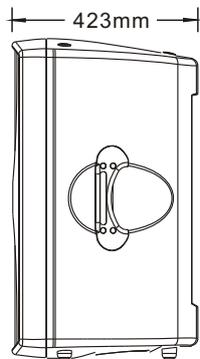
DIMENSIONS



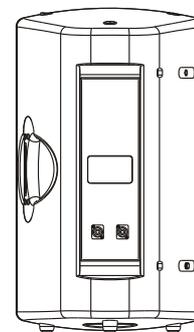
Planform



Front view



Side view



Back view

LIMITED WARRANTY

If malfunction occurs during the specified warranty period from the date of original purchase, the product will be repaired or replaced without charge by Citronic.

The Limited Warranty does not apply to:

- (a) exterior finish or appearance;
- (b) certain specific items described in the individual product data sheet or owner's manual;
- (c) malfunction resulting from use or operation of the product other than as specified in the individual product data sheet or owner's manual;
- (d) malfunction resulting from misuse or abuse of the product;
- (e) malfunction occurring at any time after repairs have been made to the product by anyone other than Citronic TO CHANGE/ADJUST BY SUPPLIER Service or any of its authorized service representatives.

To obtain warranty service, customer must deliver proof of purchase of the product in the form of a bill of sale or receipt invoice.

CS-6004 Speakers and Speaker Systems are guaranteed against malfunction due to defects in materials or workmanship for a period of three (3) years from the date of original purchase. The Limited Warranty does not apply to burned voice coils or malfunctions such as cone and/or coil damage resulting from improperly designed enclosures. Additional details are included in the Limited Warranty statement.

CS-6004 Accessories are guaranteed against malfunction due to defects in materials or workmanship for a period of one (1) year from the date of original purchase. Additional details are included in the Limited Warranty statement.

CS-6004 Flying Hardware (including enclosure-mounted hardware and rigging accessories) is guaranteed against malfunction due to defects in materials or workmanship for a period of one (1) year from the date of original purchase. Additional details are included in the Limited Warranty statement.

Specifications are subject to change without notice.

