

CS12 Technical Data Sheet

Product code: KVV 987 426

Introduction

The CS12 is a very high quality 2 way full range passive speaker, presented conservatively in a low profile unique angled painted Baltic birch enclosure.

Designed to present exceptional speech and music clarity, the CS12 can be applied quickly and flexibly on podiums, stands and suspended as well as in fixed installations using the comprehensive range of ancillary attachments and brackets.

Features

- Professional Baltic birch construction with unique angles for flexible use
- Extremely hard-wearing textured plastic paint
- Compact enclosure allows discreet placement and application
- Wide dispersion 80 H x 40 V Horn
- KV2 Audio SLA technology passive crossover inc. thermal breaker protection
- 1.4" / 3" Titanium diaphragm compression driver
- 12" Neodymium low mid woofer
- Fixing points for comprehensive attachments

Application

Purpose designed as a discreet portable passive loudspeaker for speech and full range music performance for Rental and Production companies

- Corporate presentations and functions
- Stand-alone full range performance or with addition of subwoofers
- Infills
- Monitoring
- Fixed installations



System Acoustic Performance

Max SPL Long-term	127dB
Max SPL Peak	133dB
-3dB Response	55Hz to 22kHz
-10dB Response	50Hz to 30kHz
Recommended Power	500W
Sensitivity	98dB
Impedance	4 Ω
Crossover Point	1,2kHz

High Frequency Section

Acoustic Design	Horn loaded
High Horn Coverage Horizontal / Vertical	80° x 40°
Rotatable Horn	Yes
Throat Exit Diameter / Diaphragm Size	1,4" / 3"
Diaphragm Material	Nitride Titanium
Magnet Type	Neodymium
Protection	RMS Limiter

Low Frequency Section

Acoustic Design	Front Loaded, Bass Reflex
Number of Drivers	1
Woofer Size / Voice Coil Diameter / Design	12" / 2.5" / Trans Coil
Magnet Type	Neodymium
Diaphragm Material	Epoxy reinforced cellulose
Protection	Thermal breaker - auto reset

Speaker Input

Speaker Input	2x Neutrik Speakon®, Terminal Block
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Cabinet

Cabinet Material	Baltic birch
Handles	2
Color	Plastic paint

Physical Dimensions

Height	625mm (24.61")
Width	374mm (14.72")
Depth	369mm (14.53")
Weight	24 kg (52.8lbs)

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Architectural Specifications

The Loudspeaker shall be a 2-way passive design using SLA Technology (Super Live Audio) and shall be driven and controlled by a dedicated matched Amplifier (ESP2000, ESP4000 or alternatively with a third-party amplifier of the users choice).

The Loudspeaker enclosure shall consist of one 12" Neodymium magnet structure Transcoil Bass driver and one 1.4" Nitride- Titanium Compression driver mounted to a low compression horn assembly.

The cabinet enclosure shall be made from reinforced Baltic Birch Ply, with toughened impact and wear resistant plastic paint finish.

The Loudspeaker components shall be protected by an acoustically transparent rigid metal grille supported by absorbent rubber seals.

The enclosure shall incorporate a single cut-out handle grip on the rear panel and top and bottom panel for pickup. The enclosure shall incorporate four nonslip rubber feet each on the bottom and two angled rear sides.

The enclosure shall incorporate one M10 fixing point on each side panel and top and bottom panel.

Two 5mm apertures are provided for pin insertion/release on the bottom panel and one 5mm aperture for pin insertion/release on one side panel to allow easy setting of angle when the angle-setting bracket attachment is used.

The enclosure shall incorporate a recessed connection panel and will be fitted with a double input/output Speakon locking connector.

A 4 pole barrier strip will be incorporated in the connection panel to allow bare wire connection and a recessed slide switch for channel switching.

The Loudspeaker shall have a maximum long term pressure level of 127dB, a total peak power handling capacity of 500W, a nominal Horizontal and Vertical dispersion of 80 x 40 deg and have a measured on axis frequency response of 55Hz to 22KHz (-3dB), 50Hz to 30kHz (-10dB).

The Enclosure dimensions shall be: 625mm / 25.00" x 374mm / 14.73" x 369mm / 14.53"

The Enclosure shall not exceed a weight of 124 kg / 52.91lbs.

The Loudspeaker shall be the KV2 Audio CS12

The dedicated Amplifier shall be the KV2 Audio ESP2000/4000 – (Or alternative third party amplifier).

The dedicated fly ware shall be the KVV 987 429 CS12 Horizontal bracket and KVV 987 430 CS12 Vertical bracket.

Dimensional Drawings

