

S-7901

Item Code

47056-A



SCREEN CHANNEL

S-7901

SUMINISTROS KELONIK SA
C/ Badajoz, 159 bis - 08018 Barcelona - Spain
Tel. +34 93 300 43 61
Updated (DD/MM/YYYY): 14/02/2025



Key Features

- Bi-Amplification Ready: Designed with a passive crossover for mid-high frequencies and an external active crossover for low-mid frequencies, with a cutoff at 400 Hz.
- Optimized Sound Reproduction: Ensures high dynamic performance with minimal distortion, ideal for high SPL requirements in large auditoriums.
- Bass Performance: Features dual 15" woofers for deep, powerful bass output.
- Improved Voice Intelligibility: Includes four 6.5" cone speakers and 90° x 30° constant dispersion horns to enhance clarity and intelligibility of dialogues.

Description

The K.C.S. S-7901 Bi-Amplified Three-Way Speaker System is specifically designed for screen channels in large auditoriums, with a compact 47 cm depth, making it ideal for installations where space behind the projection screen is limited.

This system features a passive crossover to separate mid and high frequencies, while an external active crossover is used to manage the low-to-mid frequency range, with a cutoff at 400 Hz. This bi-amplified configuration ensures optimal sound reproduction, delivering high dynamics and minimal distortion, even at high sound pressure levels (SPL).

The system includes dual 15" woofers for bass, along with four 6.5" cone speakers and 90° x 30° constant dispersion horns to enhance dialogue intelligibility. The high-frequency section uses a compression driver with a titanium diaphragm and a constant directivity horn, ensuring clear, distortion-free reproduction of high frequencies.

S-7901

Specifications

BI-AMPLIFIED SPEAKER

Performances

Frequency Range (-10 dB)	30Hz-20kHz
LF Nominal Impedance	4 Ohms
LF AES Power (1)	800 W
LF Continuous Program	1600 W
MF Nominal Impedance	-
MF AES Power (1)	-
MF Continuous Program	-
HF Nominal Impedance	2 Ohms
HF AES Power (1)	400 W
HF Continuous Program	800 W
System Sensitivity 1 W/1 m (2)	-
LF Sensitivity 1 W/1 m (2)	101 dB
MF Sensitivity 1 W/1 m (2)	-
HF Sensitivity 1 W/1 m (2)	111 dB
MF / HF Bracket	Adjustable Bracket
Beam Horizontal Angle	90 degrees
Beam Vertical Angle	40 degrees

(1) - Based on a 2 hours test using a continuous 6 dB crest factor pink noise signal band limited according to IEC 268-1 (1985).

(2) - Free field sensitivity (Half Space sensitivity +3 dB)

(3) - Rating based on test signal of filtered random noise conforming to the International Standard IEC 268-1 (pink noise with 12 dB per octave roll-off below 40 Hz and above 5000 Hz with a peak-to average ratio of 6 dB).

S-7901

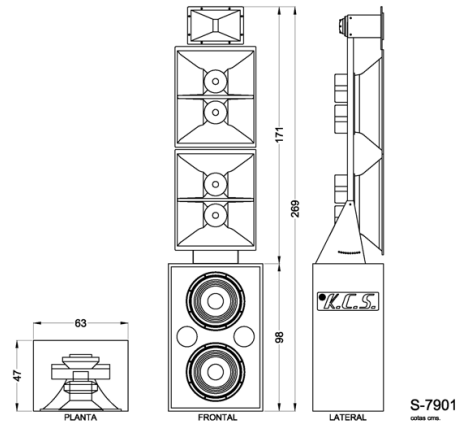
SUMINISTROS KELONIK SA
C/ Badajoz, 159 bis - 08018 Barcelona - Spain
Tel. +34 93 300 43 61
Updated (DD/MM/YYYY): 14/02/2025



Enclosure

Dimensions cm (H x W x D) 269 x 63 x 47

Net Weight 75,81 Kg



Components

	Quantity	Reference	Item Code
Enclosure Reference	1	C-215-P	47159-A
	-	-	-
LF Reference	2	S-15-P	47202-A
MF Reference	4	S-6	47313-A
HF Reference	1	S-701	47204-A
MF / HF Assembly Kit	1	M/H-7901-A	47138-A
MF / HF Bracket	1	SP-7900	47346-A
MF Horn	2	BM-942-B	47326-A
HF Horn	1	BC-94	47239-A

S-7901

Connectors

Audio Input Connectors

Push Type Terminal

Spare Parts

	Reference	Item Code
LF Recone Kit	GM-S-15-P	47334-A
MF Recone Kit	-	-
HF Recone Kit	GM-S-701	47206-A
Passive Filter	-	-
MF / HF Filter	F-7801/7901-V2	47393-A

EQ Settings

Check the dedicated EQ Setting page on our website
https://kcsspeakers.com/en/EQ_Setting.html

S-7901