



NOMINAL AND PHYSICAL SPECS

Frequency Response	±3dB 80Hz - 20kHz
Useable Low Frequency	-10dB @ 68Hz
Sensitivity (1 W/1 M)	105 dB
Max SPL (1 M)	132 dB SPL
Impedance	MF: 4 Ohms HF: 8 Ohms
Power Handling	MF: 500 Wrms 1000 Wprogram HF: 40 Wrms 80 Wprogram
Dimensions:	Height 37.75 inches Width (front) 16.25 inches Width (rear) 8.25 inches Depth 18.75 inches Weight 103 lbs.

PROCESSOR SETTINGS

TCS2100	Low / Mid	High
Gain	0dB	-10dB
Delay (milliseconds)	0.229	0.000
Polarity	Normal	Normal
LPF Shape	L-R 24dB/Oct	L-R 24dB/Oct
LPF Frequency	80 Hz	2.5kHz - 3kHz
HPF Shape	L-R 24dB/Oct	N/A
HPF Frequency	2.5kHz - 3kHz	N/A
EQ1 Type		
EQ1 Frequency		
EQ1 +/-		
EQ1 Width		

Recommended processor settings are based upon the

DESCRIPTION

The TCS2100 is a full range 2-way loudspeaker system ideally suited for near to medium throw applications. Featuring a trapezoidal shape, it can be easily stacked or flown to create a multitude of system configurations. The TCS2100 features dual front loaded 10" Low Mid / Mid range drivers and a 1" exit HF compression driver mounted to a rotateable 60°x 40° aluminum constant directivity horn.

APPLICATIONS

Used for permanent installations or portable touring systems.

For use in:

Live Music Clubs
Concert tours

Worship Centers
Festivals

FEATURE DATA

Model Number	TCS2100
System Configuration	2-Way, Mid High Enclosure Passive or Bi-Amp (Selectable)
Connections	2 x Neutrik NL4
MF system	2 x 10" Front Loaded
HF system	1" exit 60° x 40° Constant Directivity (rotateable)
Cabinet Type	Trapezoidal 12.5 deg. per side
Enclosure Structure	13 ply Baltic Birch
External Coating	Duratex
Grille Material	Foam Backed 14 Ga. Powder Coated perforated steel
Suspension Hardware	3/8-16 flypoints - 12 ea
Replacement Parts	2 ea. B&C Speakers 10PE26-8 1 ea. B&C Speakers DE25-8

ARCHITECTURAL SPECIFICATIONS

The TCS2100 shall be a dedicated full range 2-way loudspeaker system and shall consist of two (2) front loaded 10-in. LF transducer and one HF transducer coupled to a rotateable 1" exit 60° x 40° constant directivity horn.

Frequency response shall be no more than ±3dB 80Hz - 20kHz on axis. The loudspeaker shall be capable of producing a maximum SPL of 132dB at 1 meter. The LF section shall handle a minimum of 800 Watts with a nominal impedance of 4 ohms. The HF section shall handle a minimum of 80 Watts with a nominal impedance of 8 ohms.

The loudspeaker shall incorporate two (2) Neutrik NL4 connectors wired in parallel to enable chaining of multiple loudspeakers and an internal passive crossover. The internal passive crossover shall be capable of full range or bi amp operation via a selector switch.

The cabinet construction shall be of 13-ply Baltic Birch plywood and shall incorporate extensive internal bracing. The cabinet shall be of a trapezoidal shape and consist of twelve (12) fly points to accept 3/8"-16 eyebolts. The cabinet shall be finished with DuraTex finish. The transducers shall be protected with a Foam Backed, Powder Coat - finished 14 ga. perforated steel grill.