



Product Technical Data Sheet

Model 8290v2

Description

The 8290v2 is a full-range passive high quality dual 8" design. It serves as a multipurpose portable PA box that offers a small format with maximum SPL. The multi-angle cabinet allows for use as a stage monitor as well.

The 8290v2 high frequency section features a high performance PRD500 planar ribbon transducer designed and manufactured by SLS Loudspeakers. The unique design and properties of the planar ribbon driver allows for a very clear delivery and transient accuracy even at the limits of its performance. The PRD500 is contained within a 90 degree die cast aluminum waveguide.

The 8290v2 contains an improved woofer with greater power handling resulting in a 3dB louder design over the original 8290.

The crossover contains an unique 2 1/2 way audiophile grade network delivering smooth response and consistent polar patterns throughout the crossover regions. The 8290v2 therefore closely matches the midrange and high frequency character of the 8190v2 so the two models can be interchanged as needed in a design.

Key Features:

- PRD500 ribbon high frequency driver delivers unsurpassed sound quality
- Multi-angle cabinet for house or stage monitor use
- Included rubber feet for stage monitor use
- Rotatable Ribbon
- Handle and pole socket
- 90 degree wide horizontal coverage
- 2 1/2 way passive crossover
- 3/4" 13 ply Baltic Birch cabinet



Product Specifications	
Operating Range ¹	55Hz - 20,000Hz
Sensitivity (1W/1M) ²	95dB
Horizontal Coverage Angle -6dB ³	90 Degrees
Vertical Coverage Angle -6dB ³	30 Degrees
Power Handling ⁴	450W RMS (42 Volts) AES/2
Max SPL (calculated) 1 Meter	122dB Cont. / 128dB Peak
Recommended Amp Power for Max Output	900 Watts @ 4 ohms
Nominal Impedance	4 Ohms
Crossover	Internal Passive 2 1/2 way
Transducers - Low Freq.	8" Bass Only
Low/Mid Freq.	8" Bass/Midrange
High Freq.	PRD500 Ribbon
Input	NL4 x2
Dimensions	29.75" (75.6cm) H 11.63" (29.5cm) W 12.1" (30.7cm) D
Enclosure	13ply Baltic Birch
Weight	46lbs (20.9kg) Shipping 54lbs (24.5kg)
Rigging	No rigging points provided
Finish Options	Black Latex White Latex Paintable Natural Finish

Applications

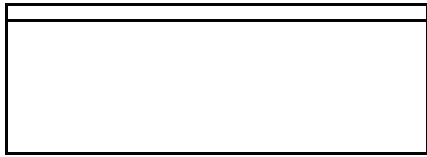
Developed for a wide range of professional applications where the highest quality and intelligibility of sound is required

- Portable PA
- Multi-Media Installations
- Stage Monitor

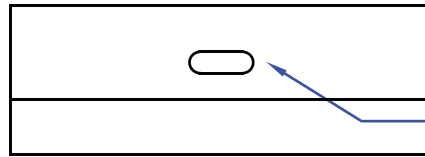
1. LF at -10dB, HF -6dB at 40kHz on-axis however response above 20kHz is limited by air absorption and DSP sampling rates in typical PA applications.
 2. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in an anechoic environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.
 3. Averaged from 1000Hz to 10kHz
 4. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard. IEC stated in RMS voltage according to IEC 268-5



8290v2 Drawings

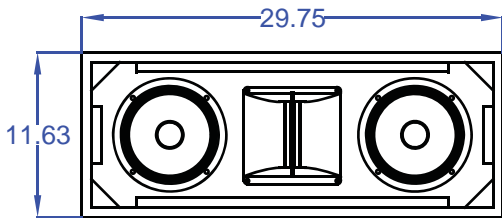


TOP

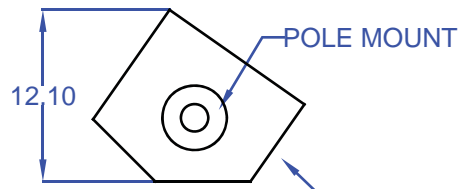


POCKET HANDLE

BOTTOM



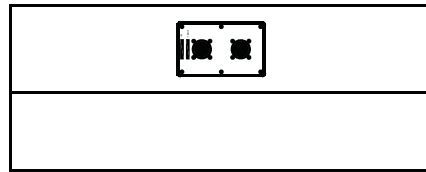
FRONT



POLE MOUNT

Pocket Handle Side

SIDE



BACK

Polars

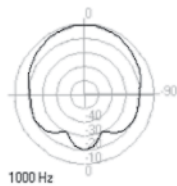
Horizontal Axis



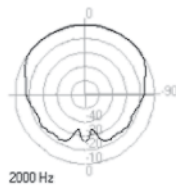
250 Hz



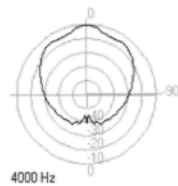
500 Hz



1000 Hz



2000 Hz



4000 Hz

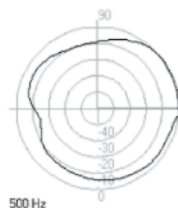


8000 Hz

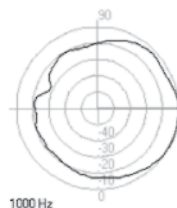
Vertical Axis



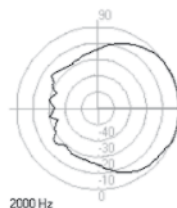
250 Hz



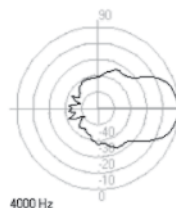
500 Hz



1000 Hz



2000 Hz



4000 Hz



8000 Hz