



Product Technical Data Sheet
Model 8190Tv2-I

Description

The 8190Tv2-I is a high quality single 8" two-way passive design. It serves as a multipurpose box that offers solutions for fill coverage and small format PA.

The 8190Tv2-I 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 that is rotatable within the cabinet.

The 8190Tv2-I contains an improved woofer with greater sensitivity and power handling resulting in a 6dB louder design over the original 8190T-I.

The 8190Tv2-I contains an audiophile grade crossover delivering smooth response and consistent polar patterns throughout the crossover region.

Rigging points are provided as well as mounting options for 3rd party wall and ceiling mount brackets.

Key Features:

- PRD500 ribbon high frequency driver delivers unsurpassed sound quality
- Open and clear sound at high SPL due to advanced transducer technology
- Small format
- Rigging points and wall/ceiling bracket attachment points
- 90 degree wide horizontal coverage with rotatable ribbon



Product Specifications	
Operating Range ¹	70Hz - 20,000Hz
Sensitivity (1W/1M) ²	95dB
Horizontal Coverage Angle -6dB ³	90 Degrees
Vertical Coverage Angle -6dB ³	30 Degrees
Power Handling ⁴	225W RMS (42 Volts) AES/2
Max SPL (calculated) 1 Meter	119dB Cont. / 125dB Peak
Recommended Amp Power for Max Output	450 Watts @ 8 Ohms
Nominal Impedance	8 Ohms
Crossover Frequency	Internal Passive 1800Hz
Transducers - Low Freq.	8" Bass/Midrange
High Freq.	PRD500 Ribbon
Input	Barrier Strip
Dimensions	18.5" (46.9cm) H 11.75" (29.8cm) W 8.5" (21.6cm) D
Enclosure	13ply Baltic Birch
Weight	25lbs (11.3kg) Shipping 31lbs (14kg)
Rigging	12 Points 3/8" / 16 Threaded Inserts
Finish Options	Black Latex White Latex Paintable Natural Finish

Applications

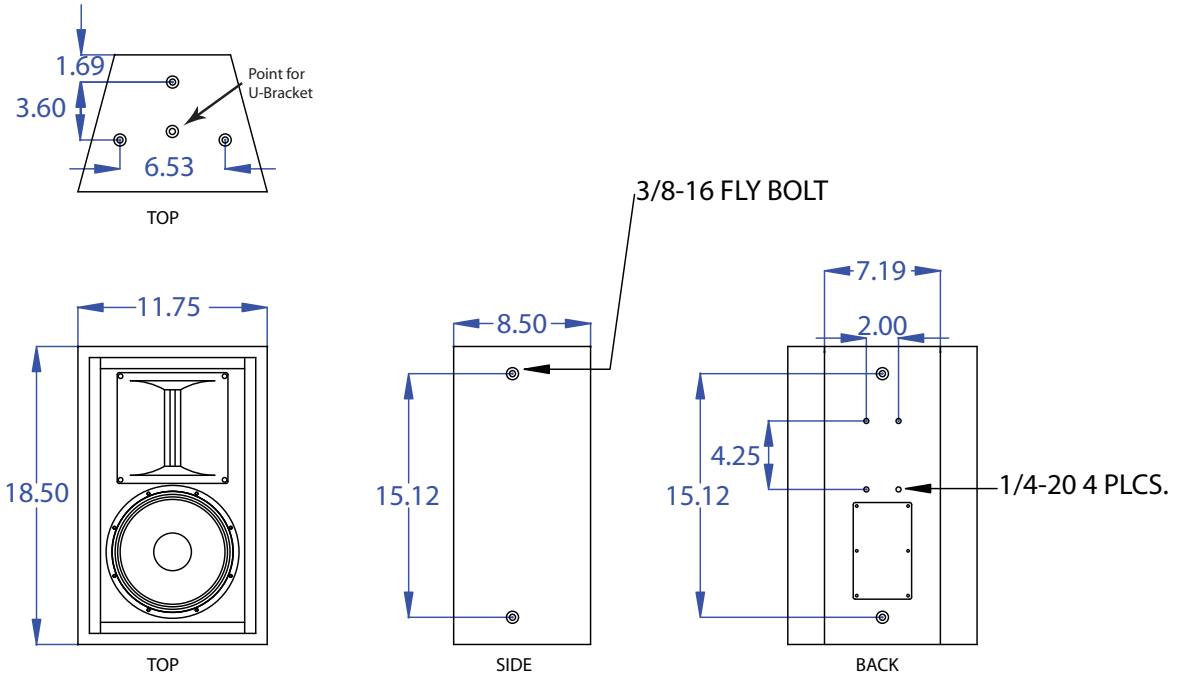
Developed for a wide range of professional applications where the highest quality and intelligibility of sound is required

- Small format installation PA
- Spot fills in larger systems
- Choir Monitoring

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

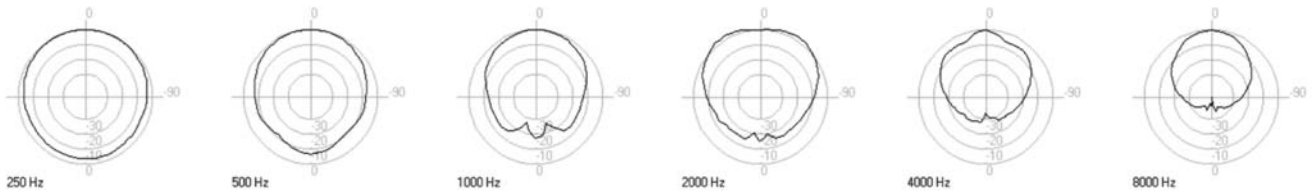


8190Tv2-I Drawings



Polars

Horizontal Axis



Vertical Axis

