



RENKUS-HEINZ



SR62HK

COMPLEX CONIC Loudspeaker



UNIQUE "HORIZONTAL LINE ARRAY" DESIGN

Outstanding, full-range 100 Hz to 18 kHz performance in an extremely low profile, space-saving design

EXCLUSIVE COMPLEX CONIC DESIGN

Complex Conic horn provides superior pattern control with low distortion

WIDE ANGLE 150° HORIZONTAL COVERAGE

"line array" design with splayed woofers and complex conic horn provide smooth 150° coverage

1" EXTENDED-RANGE HIGH FREQUENCY DRIVER

provides smooth, low distortion high frequency performance out to 18 kHz

DUAL HEAVY-DUTY 6.5" WOOFERS

with 2" voice coils and carbon fiber cones easily handle 400 Watts of program power

BUILT-IN CROSSOVER

eliminates the need for bi-amplification and reduces overall system cost

Unique "Horizontal Line Array" Design

The SR62HK was developed specifically for under-the-balcony use in theaters and churches and other similar low ceiling applications that require both high performance and a low profile. The sub-miniature SR62HK provides outstanding 100 Hz to 18 kHz performance and a surprisingly high 116 dB output SPL level for a loudspeaker that is only 7 1/2" high and 20" long. It features a Complex Conic high frequency horn, a 1" high frequency driver and dual heavy-duty 6.5" woofers with 2" voice coils. A built-in crossover with a program power rating of 400 Watts at 8 Ohms is also included.

Complex Conic Horn Technology

Complex Conic horn technology combines the best features of constant beamwidth (also called constant directivity) and oval horn designs into a complex conical waveguide that provides superior pattern control, especially at the higher frequencies. It completely eliminates "pattern flip", a phenomenon of many horn designs that reverses the dispersion at some frequency. The smooth contours of the complex conic waveguide also reduce high frequency "feathering" and the accompanying distortion. The result is lower distortion, reduced high frequency coloration and a far more natural sound than that provided by any prior horn technology.

Wide Angle 150° Horizontal Coverage

The carefully designed Complex Conic horn and the splayed 6.5 inch woofers combine to provide the smooth wide-angle 150° horizontal by 60° vertical coverage needed for low ceiling applications. The 40° woofer splay angle was chosen only after extensive computer analysis and modeling. It provides optimum phase response and flat power response through the critical crossover region assuring high speech intelligibility.

Custom Flexibility And Versatility

The sub-miniature SR62HK is both flexible and easy to install. It features 45° sides that are a natural for ceiling mounting and a unique universal mounting hardware system with twelve 1/4-20 attachment point locations. U brackets are also available. Finish choices include black or white paint and natural (unfinished) for customizing in the field. Custom colors and weather resistant models are also available as added cost options. Screw type terminals complete the picture.

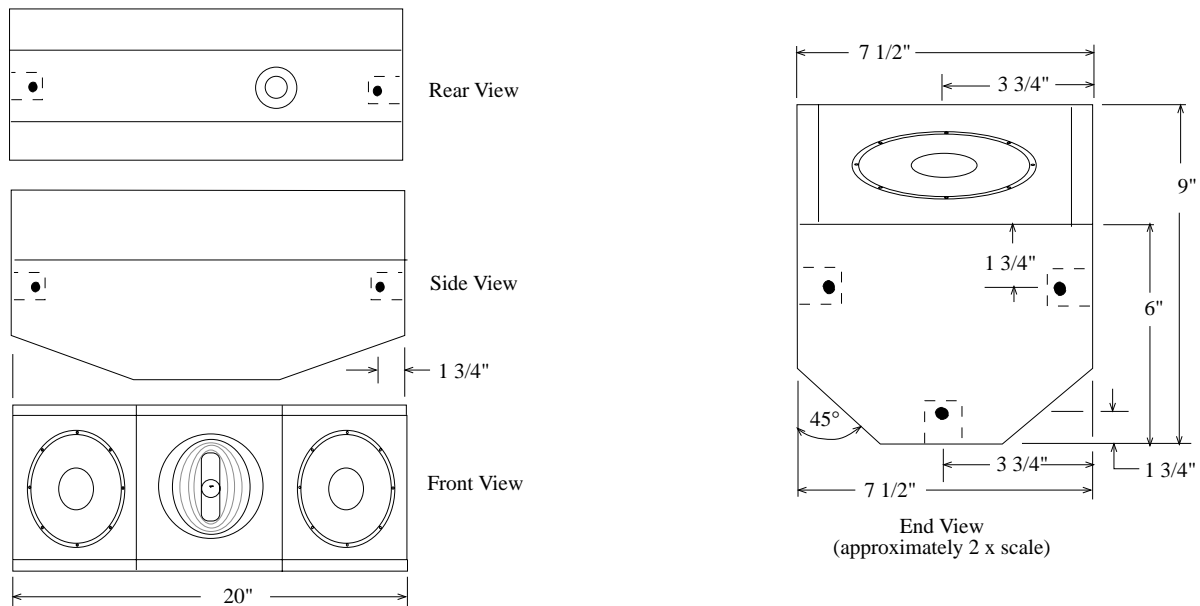
Built-In Crossover

The versatile SR62HK contains a built-in 400 Watt, 8 Ohm crossover to eliminate the need for bi-amplification and the higher system costs associated with bi-amping.

TECHNICAL SPECIFICATIONS

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| <p>SENSITIVITY: 90 dB (1w/1m)</p> <p>MAXIMUM SPL: 116 dB program, 119 dB peak</p> <p>DISPERSION: 150° H by 60° V</p> <p>FREQUENCY RESPONSE: 100 Hz to 18 kHz</p> <p>HIGH FREQUENCY DRIVER: 1" SSD 1802-16 HF driver, 80 W pgm power, 40 W RMS</p> <p>LOW FREQUENCY DRIVERS: Dual SSL6.5-5 6.5" woofers, 200 W pgm power, 100 W RMS; 2" VC, carbon fiber cone</p> <p>CROSSOVER POINT: 1600 Hz</p> <p>POWER RATING: 400 W pgm @ 8 Ohms, 200 W RMS</p> | <p>ENCLOSURE MATERIALS: Multi-ply hardwood with perforated metal grille</p> <p>CONNECTOR: Screw terminals or 4-pin Neutrik NL4MPR</p> <p>FINISH OPTIONS: Black or white paint Natural (unfinished) Weather resistant (add suffix WR)</p> <p>HARDWARE: 1/4-20 12-point universal mtg. hdw. U bracket</p> <p>DIMENSIONS: 7 1/2" H x 20" L x 9" D (19.1 cm x 50.8 cm x 22.9 cm)</p> <p>NET WEIGHT: 23 Lbs (10.4 Kg) net</p> |
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DIMENSIONAL INFORMATION



ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be a Renkus-Heinz SR62HK or approved equal full-range, horizontal-mounting 2-way loudspeaker system utilizing Complex Conic horn technology. Loudspeakers having conventional constant beamwidth or oval horns will not be considered equal.

The loudspeaker system shall consist of dual heavy duty 6.5" woofers and an extended range 1" HF driver coupled to a single complex conic, high frequency horn. The 6.5" woofers shall have 2" VCs, carbon fiber cones and a program power rating of at least 200 Watts (400 Watts total). High frequency power handling capacity shall be no less than 80 Watts @ 8 Ohms. The loudspeaker shall provide wide-angle 150° horizontal dispersion and 60° vertical coverage.

Sensitivity shall be no less than 90 dB @ 1w,1m with a maximum program SPL of at least 116 dB. The frequency response shall be 100 Hz to 18 kHz. The enclosure shall be constructed from multi-ply hardwood. The finish shall be (black paint) (white paint) (natural) (weather resistant). Screw type terminals shall be provided for connections.

The loudspeaker shall be no larger than 7 1/2" high, 20" long and 9" deep. It shall weigh no more than 23 Lbs. A matching perforated metal grille shall be included. The enclosure shall be equipped with universal mounting hardware providing a minimum of twelve 1/4-20 attachment points. (A matching U bracket shall also be provided.) It shall also include a built-in crossover having a 400 Watts at 8 Ohm program power rating.

