

UNSURPASSED PERFORMANCE AND VERSATILITY

Developed with performance, durability, and versatility in mind RH Series loudspeakers feature many of the performance advancements developed by Renkus-Heinz in its over 30 year quest to produce the finest possible sound. They perform flawlessly in all types of fixed and portable applications from simple single performer - single loudspeaker setups to sophisticated multi-loudspeaker systems in performing arts centers.

Every component has been thoroughly evaluated for optimal performance. Audiophile quality transducers with highly efficient Neodymium magnets and our skillful design combine to deliver unprecedented performance in any environment.

Versatile cabinet designs, multiple handles and an assortment of mounting hardware choices make RH Series loudspeakers as much of a joy to setup and use, as they are to listen to.

Applications

- Any application where size is a critical issue and sonic performance requirements are high.
- Live sound reinforcement in large and small venues: night clubs, houses of worship, performing arts centers and auditoriums, etc.
- Floor monitors for performing musicians.
- Foreground music systems in bars, restaurants, nightclubs, lounges, etc.

The RHX81 is designed to be used with an external amplifier while the RH81 includes a built-in Class D digital amplifier.

Both feature either a standard 120 by 60 degree or optional 90 by 60 degree Complex Conic Waveguide, a Renkus-Heinz development that eliminates "pattern flip" and provides better pattern control than conventional rectangular horns without any of the harshness associated with them. The Complex Conic Waveguides used in the RH81 and RHX81 can also be rotated 90 degrees, adding further to their versatility. In brief, Complex Conic Waveguides work better and sound more natural with less distortion than ordinary horns.

The multi-angle design of the RH/RHX81's enclosure allows it to be used as on-stage floor monitors with either a 45 degree or 60 degree aiming angle, while also providing protection for the loudspeaker connectors and providing easy access to them. Optional yokes, U-brackets and wall mounting hardware add further to the versatility.

Wherever audiences and operators demand superior performance, Renkus-Heinz RH Series loudspeakers are a clear choice for ease of use and transparent reference quality performance.

RH Series Professional Loudspeaker Systems

RH81 Self-Powered

8 inch 2-way Loudspeakers



- **Compact Multi-Function, Multi-Angle Design**
Provides a wide range of mounting choices and great flexibility
- **Premium 1" HF Driver and High Power 8" Woofer**
Neodymium magnets deliver smooth, low distortion 131 dB peak SPL performance from 70 Hz to 20 kHz
- **Smooth 70 Hz to 20 kHz Full Range Performance**
- **Exclusive Complex Conic Waveguide Design**
Provides constant beamwidth / directivity without the problems associated with conventional rectangular horns; can be rotated 90° within the cabinet
- **Reliable, Easy-To-Use Hardware**
Multiple threaded pole sockets and an assortment of mounting hardware allow for easy horizontal and vertical mounting in virtually any situation

RH81 Technical Specifications

Sensitivity: 1.0v for RPO

Freq. Range: 70 Hz to 20 kHz

Max SPL¹: 122 dB peak @ 1 meter

Dispersion: 120° by 60° standard, 90° by 60° also available

Dimensions: 21 3/4" H x 10 1/2" W x 10 1/2" D
55.3 cm H x 26.7 cm W x 26.7 cm D

Weight: 35 Lbs., 15.9 kg (net)

Transducers: 1" HF driver, RH model SSD1750TN
8" woofer; RH model SSL8-6-18

Enclosure: Multi-ply hardwood with perforated steel grille

Finish: Black or white paint; custom colors available

Accessories

YM/RH81: Yoke mount for RHX81
UBRKT/RH81: U-bracket for RHX81
WBRKTRH62/81: Wall mounting bracket for RHX81
RH-PMA: Pole mounting adapter for RH series

PD2 Amplifier

Power Rating: 2 x 350 W RMS

Power Required: Universal; 110 V to 230 V 50/60 Hz AC; 8 A max
Power Connector: Powercon

Frequency Resp: +0.0, -5 dB, 20 Hz to 20 kHz
THD: < .1% typical
Hum & Noise: <100 dB (A weighted)

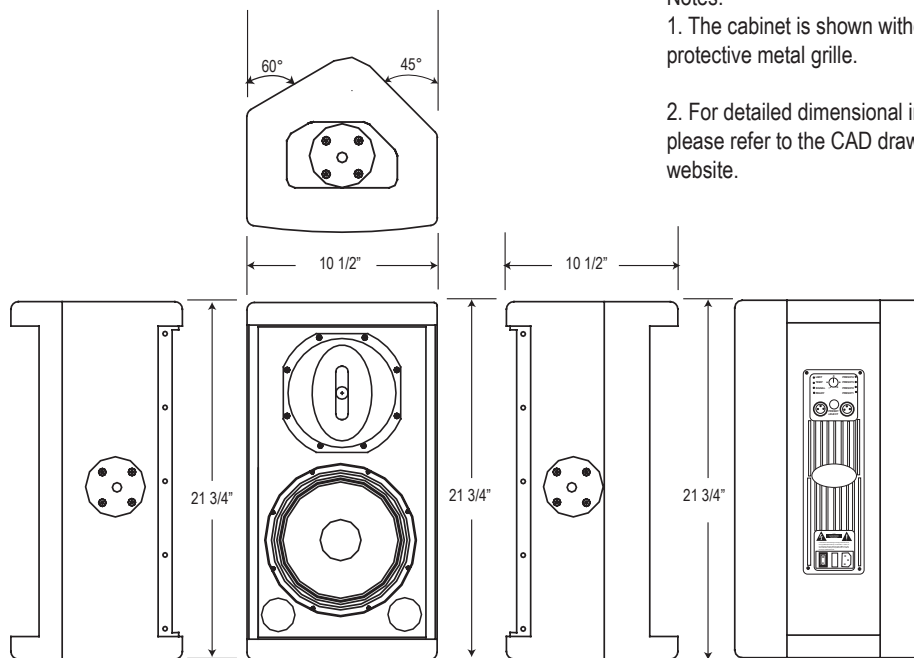
Input: 10K Ohm balanced differential
Sensitivity: 1.0 V for RPO
CMR: 74 dB

Input Connectors: Looping XLR; female in, male out
 (pin 1 chassis, pin 2 +, pin 3 -)

Controls: Gain
 Preset Select (4), Preset Control (1)
 Power On / Off

¹ Max SPL is calculated using the peak power of the amplifier module

RH81 Dimensional Information



Notes:

1. The cabinet is shown without its protective metal grille.
2. For detailed dimensional information, please refer to the CAD drawings on our website.