



RENKUS-HEINZ

FOR A BETTER SOUNDING WORLD

Outstanding Performance, Unequaled Versatility

TRX Series loudspeakers use advanced technology and application-driven engineering to bring live sound closer to the ultimate reference point: reality. Cutting edge driver technology and unique innovations such as our Complex Conic horns deliver natural sounding music and intelligible speech. Versatile enclosure designs, combined with a wide range of mounting options and associated hardware, provide unrestricted flexibility for both portable and installed applications. Wherever audiences and operators demand superior performance and ease of use, TRX Series loudspeakers are the choice for unequalled value.

Applications

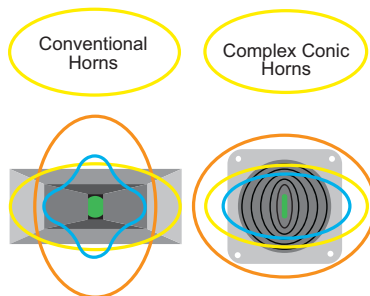
- Virtually any application where size is critical and high output and outstanding sonic performance are required.
- Ideal for many side and front fill applications; mounts inconspicuously on walls or ceilings, stage lips, under and over balconies, etc.
- Foreground music systems in shopping malls, retail stores, offices, etc.
- Multi-channel playback systems in clubs and disco's (with optional subwoofers) and as a low profile floor monitor.



Advanced Complex Conic Horn Design

Designed around the spherical expansion of the acoustic pressure wave, Complex Conic horns provide constant beamwidth/directivity without the problems of conventional rectangular horns. These unique waveguides eliminate low frequency "pattern flip"; have no corners to cause high frequency "feathering" and the resulting pattern distortion. With extended pattern bandwidth, lower distortion and minimal coloration, Complex Conic horns work better and sound far more natural than ordinary horns.

Nominal Coverage Patterns
(90° by 40°, for example)



Actual patterns clearly show superior pattern control of Complex Conic Horns

Frequency Bar - low frequencies (red) to high frequencies (blue)



TRX82

DUAL 8" + 1" HF TWO-WAY COMPLEX CONIC LOUDSPEAKER



• MINIATURIZED DESIGN

Outstanding, full-range 60 Hz to 18 kHz performance in an extremely compact, space-saving design.

• Exclusive Complex Conic Design

Complex Conic horns provide superior pattern control with low distortion.

• Choice of Coverage Patterns

Complex Conic horns provides smooth 90° by 60° or 120° by 60° coverage, may be rotated 90° within cabinet.

• 1" Extended Range HF Driver

Provides smooth, low distortion high frequency performance to 18 kHz and beyond

• Dual Heavy-Duty 8" Woofers

With treated fiber cones easily handle 400 Watts of program power.

• Built-in Crossover

Eliminates need for a separate electronic crossover and bi-amplification.

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TECHNICAL SPECIFICATIONS

SENSITIVITY:	97 dB (1W/1m) @ 500 Hz
MAXIMUM SPL:	123 dB program, 126 dB peak
DISPERSION:	(TRX82/9) 90° H by 60° V* (TRX82/12) 120° H by 60° V*
FREQUENCY RESPONSE:	60 Hz to 18 kHz
HF DRIVER:	1" SSD202-8 driver, 40 W RMS, 80 W program
LF DRIVERS:	8" model SSL8-6 woofer, 2" VC, treated fiber cone; 100 W RMS, 200 Watts program (400 W total)
CROSSOVER POINT:	1.8 kHz
POWER RATING:	400 Watts program at 8 Ohms
ENCLOSURE:	Multi-ply hardwood with perforated metal grille
CONNECTORS:	Screw terminals or Neutrik 4-pin connectors
FINISH OPTIONS:	Black, white or custom paint Natural (unfinished) Weather resistant
HARDWARE OPTIONS:	12-point univ. mtg. hdw. Omnimount Series 60 nut-plate U-bracket Tripod socket & handle
DIMENSIONS:	28 1/2" H x 9 3/4" W x 9" D (72.4 cm x 24.8 cm x 22.9 cm)
NET WEIGHT:	32 Lbs (14.5 Kg) net
	* Horns may be rotated 90° within the cabinet.

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be a Renkus-Heinz (TRX82/9) (TRX82/12) or approved equal full-range, 2-way loudspeaker system utilizing Complex Conic horn technology. Loudspeakers having conventional constant beamwidth or oval horns will not be considered equal.

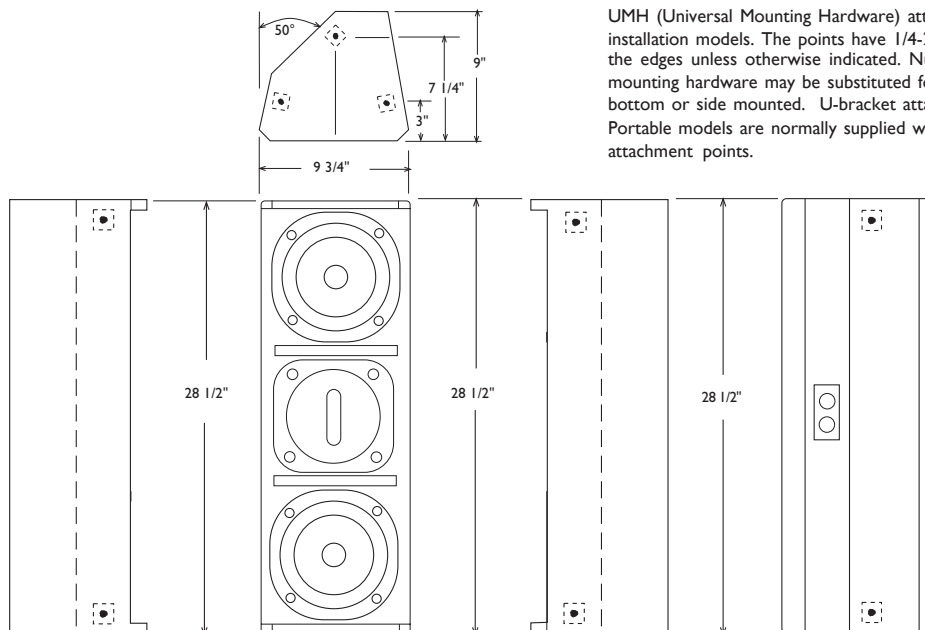
The loudspeaker system shall consist of dual heavy duty 8" woofers and an extended-range 1" HF driver coupled to a Complex Conic high frequency horn. The 8" woofers shall have 2" VC's, treated fiber cones and a program power rating of at least 200 Watts. High frequency power handling capacity shall be no less than 15 Watts RMS @ 8 Ohms. The loudspeaker shall provide [(90°)(120°) horizontal and 60° vertical] [60° horizontal and (90°)(120°) vertical] coverage. It shall include a built-in crossover having a program power rating of 400 Watts at 8 Ohm.

1W,1m sensitivity shall be no less than 97 dB @ 500 Hz with a maximum SPL of at least 123 dB program. The frequency response shall be 60 Hz to 18 kHz. The enclosure shall be constructed from multi-ply hardwood. The finish shall be (black paint) (white paint) (custom color paint) (natural) (weather resistant). (Screw type terminals) (Neutrik 4-pin connectors) shall also be included.

The loudspeaker shall be no larger than 28 1/2" high, 9 3/4" wide and 9" deep. It shall weigh no more than 32 Lbs. A matching perforated metal grille shall be included.

The enclosure shall be equipped with (1/4-20 universal mounting hardware providing a minimum of 12 attachment points.) (a nut-plate for Omnimount Series 60 mounting hardware.) (a U-bracket.) (a tripod socket and a handle.)

Dimensional Information



UMH (Universal Mounting Hardware) attachment points are standard on all fixed installation models. The points have 1/4-20 threads and are positioned 1 3/4" from the edges unless otherwise indicated. Nut-plates for Omnimount Series 60 mounting hardware may be substituted for the UMH points; can be either top, bottom or side mounted. U-bracket attachment points are a third option. Portable models are normally supplied with a handle and a tripod socket and no attachment points.

NOTE:

The enclosure is shown without its metal grille.

For more detailed dimensional information, please refer to the 2D and 3D drawing files on our website.