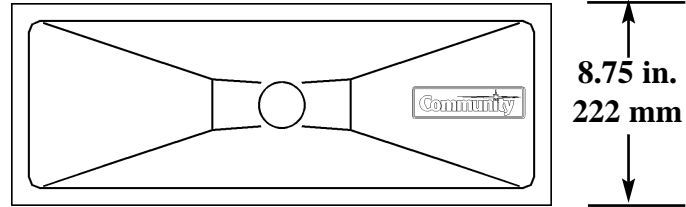


SPECIFICATIONS (See notes 1 - 3)

Horn Type: Exponential, High frequency horn
Operating Range: 500 Hz - 20 kHz
Usable LF Limit: 450 Hz
Flare Rate: 420 Hz
Throat Diameter: 2 in. / 51 mm
Axial Sensitivity 1W/1m (with TAD4001 driver):
 115 dB SPL (400 Hz - 4 kHz 1/3 octave bands)
Maximum Output (with TAD4001 driver):
 130 dB SPL / 133 dB SPL peak
Nominal -6 dB Beamwidth:
 Horizontal: 55° (+6° / -6°, 800 Hz - 10 kHz)
 Vertical: 40° (2.5 kHz)
Axial Q: 19.9 (800 Hz - 10 kHz)
Axial DI: 13 (800 Hz - 10 kHz)
Recommended Signal Processing:
 500 Hz or higher crossover point (driver dependent)
Construction:
 Hand-laminated, reinforced composite, black fiberglass
 Double wall construction using embedded balsa wood
Required Accessories:
 Electronic crossover, Equalization
Optional Accessories:
 DSC42: Digital crossover / processor
 2BKT: Rear yoke-type mounting bracket
Bolt Patterns:
 (8) 5/16 in. / 8 mm holes on 7 in. / 178 mm bolt circle
 (4) 5/16 in. / 8 mm holes on 4 in. / 102 mm bolt circle
Dimensions (without driver):
 Height: 8.75 in. / 222 mm
 Width: 23.5 in. / 597 mm
 Depth: 15 in. / 381 mm
Weight: 10 lb. / 4.5 kg
Shipping Weight: 12 lb. / 5.4 kg



APPLICATIONS:

- Multi-way Component Systems
- Sports Facilities
- Performing Arts Centers
- Concert Systems
- Houses of Worship

FEATURES:

- High Q Design Provides Increased Intelligibility Over Distance
- Lightweight, Weather Resistant Fiberglass Construction

DESCRIPTION

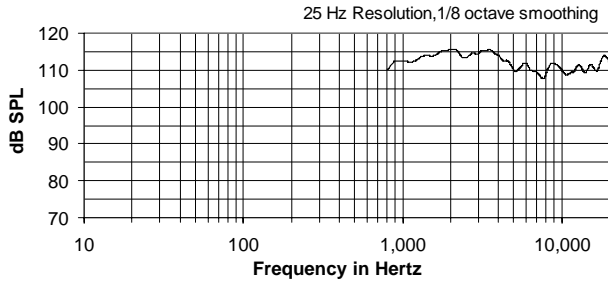
The SH864 horn is designed by Community to function as a high frequency horn in a multi-way component system. Mated with a high quality 2" compression driver it will provide focused, extremely high output sound projection, with predictable performance and exceptional long term durability for professional sound reinforcement systems. The SH864 is particularly well-suited for use as an HF horn in combination with the SH2064/M4 midrange horn/driver in component clusters. The horn lengths provide physical alignment of the MF and HF drivers when the horn mouths are aligned.

Performance data for Community horns is well documented, providing the designer and consultant with highly predictable and consistent coverage patterns for system design.

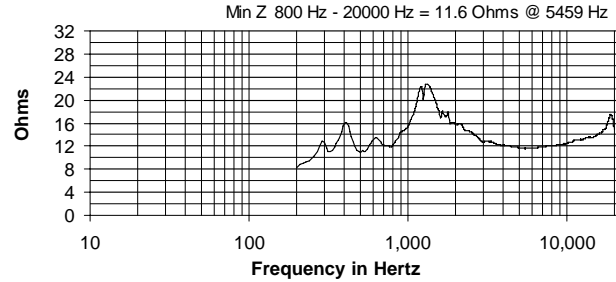
Each horn is a handcrafted, one-piece, precision waveguide, precision molded in hand-laminated, fiber-reinforced fiberglass. Balsa wood is embedded in the sidewalls for non-diaphragmatic, resonant-free operation. With substantial fiberglass layering and integral throat and driver flange construction, Community horns are built to withstand the torque loads of the heaviest compression drivers. Their inherent strength and rigidity enhances sonic efficiency by preventing sound energy losses through the horn walls or from vibration. Community fiberglass horns are inherently weather-proof under all conditions of use. There is a five year warranty.

- 1. Sensitivity:** Free field pink noise measurement at 15 ft / 4.6 m at 10% power; extrapolated to 1 meter and an input of 2.83 volts RMS. 0 dB SPL = 20 uPa.
- 2. Watts:** All wattage figures are calculated using the rated nominal impedance.
- 3. EQ:** Specifications are without equalization, normally required for optimum performance.

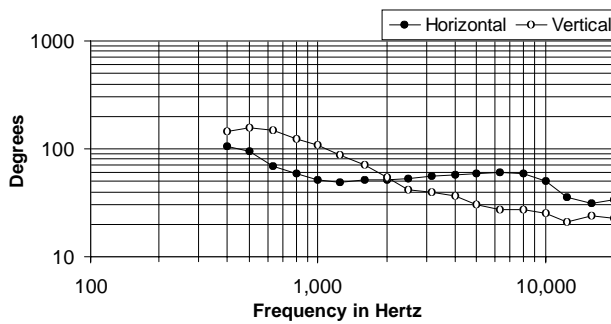
FREQUENCY RESPONSE (with TAD4001)



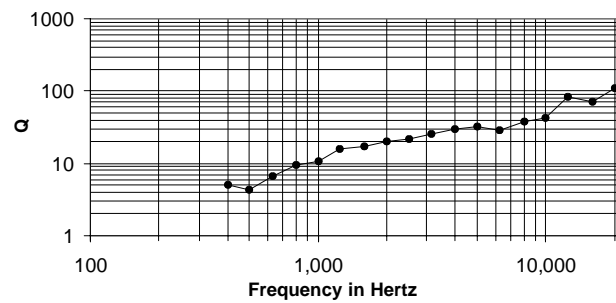
IMPEDANCE (with TAD4001)



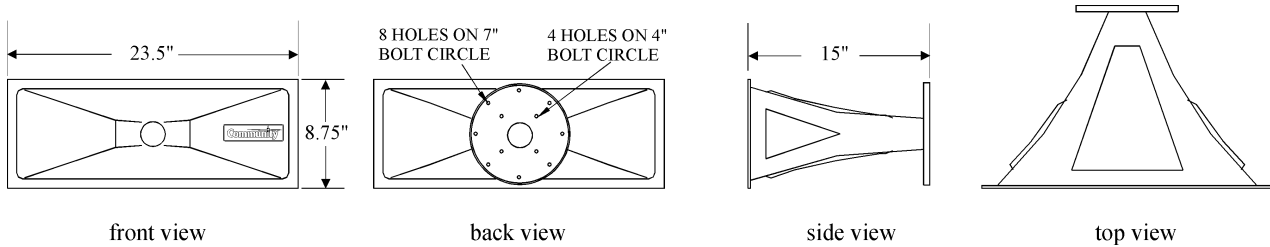
BEAMWIDTH



AXIAL Q



DIMENSIONS



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The horn shall be a 2 inch throat entrance, exponential, high frequency device. It shall be made as one piece using hand-laminated fiberglass, with double wall constructions formed by resin-encapsulated, sandwich core wood. It shall include an integral rear flange for mounting a 2 inch exit compression driver and a flat, front flange to facilitate mounting. The usable operating range shall be from 500 Hz to 20 kHz with nominal -6 dB beamwidths of 55° horizontal, deviating no more than +6° / -6° between 800 Hz and 10 kHz, and 40° vertical at 2.5 kHz. The horn shall be 8.75 in. (222 mm) H x 23.5 in. (597 mm) W x 15 in. (381 mm) D, and weigh 10 lb. (4.5 kg).