SPECIFICATIONS (See notes 1 - 3)

Horn Type: Pattern Control, Mid/high frequency horn
Operating Range: 400 Hz - 20 kHz
Usable LF Limit: 400 Hz
Flare Rate: 370 Hz
Throat Entrance Diameter: 2 in. / 51 mm
Axial Sensitivity 1W/1m (with TAD-4001 driver):
   113 dB SPL (630 Hz - 16 kHz 1/3 octave bands)
Maximum Output (with TAD-4001 driver):
   131 dB SPL
Nominal -6 dB Beamwidth:
   Horizontal: 90° (+1° / -23°, 630 Hz - 16 kHz)
   Vertical: 40° (+5° / -11°, 1 kHz - 16 kHz)
Axial Q: 18.1 (630 Hz - 16 kHz)
Axial DI: 12.6 (630 Hz - 16 kHz)
Recommended Signal Processing (for TAD-4001 driver):
   None (Contact TAD-Pioneer)
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:
   Height: 23 in. / 584 mm
   Width: 28.5 in. / 724 mm
   Depth: 25.6 in. / 650 mm
Weight:
   22 lb. / 10.0 kg
Shipping Weight:
   28 lb. / 12.7 kg

1. Sensitivity: Free field pink noise measurement at 15 ft / 4.6 m at 2% power, extrapolated to 1 meter and an input of 4 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.

APPLICATIONS:
- Voice Announcement
- Sports Facilities
- Performing Arts
- Concert Systems
- Houses of Worship

FEATURES:
- Precise Horizontal and Vertical Pattern Control Maintains Consistent On and Off Axis Frequency Response
- High Q Design Provides Increased Intelligibility Over Distance
- Strong, Light Weight, Non-Resonant, Weather Resistant Fiberglass Construction

DESCRIPTION

The PC294 horn is designed by Community to function as a midrange horn in a multi-way component system, or as a stand-alone, high power paging horn. Mated with a Community M200 or other 2 inch exit driver it will provide focused, extremely high output sound projection, with predictable performance and exceptional long term durability for professional sound reinforcement systems. 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.

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The horn shall be a 2 inch throat entrance, Pattern Control, mid / 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 400 Hz to 20 kHz with nominal -6 dB beamwidths of 90° horizontal, deviating no more than +1° / -23° between 630 Hz and 16 kHz, and 40° vertical, deviating no more than +5° / -11° between 1 kHz and 16 kHz. The horn shall be 23 in. (584 mm) H x 28.5 in. (724 mm) W x 25.6 in. (650 mm) D, and weigh 22 lb. (10.0 kg).