**SPECIFICATIONS** (See notes 1 - 3)

- **Horn Type:** Pattern Control, High frequency horn
- **Operating Range:** 800 Hz - 20 kHz
- **Usable LF Limit:** 600 Hz
- **Flare Rate:** 550 Hz
- **Throat Diameter:** 2 in. / 51 mm
- **Axial Sensitivity 1W/1m (with TAD 4001 driver):**
  - 113 dB SPL (1 kHz - 16 kHz 1/3 octave bands)
- **Maximum Output (with TAD4001 driver):**
  - 128 dB SPL / 131 dB SPL peak
- **Nominal -6 dB Beamwidth:**
  - Horizontal: 90° (+4° / -22°, 1 kHz - 16 kHz)
  - Vertical: 40° (+10° / -12°, 2 kHz - 16 kHz)
- **Axial Q:** 16.7 (1 kHz - 16 kHz)
- **Axial DI:** 12.2 (1 kHz - 16 kHz)
- **Recommended Signal Processing (for 2 in / 51 mm driver):**
  - 1 kHz or higher crossover point
- **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
  - 2BK: Rear yoke-type bracket
  - M200RC: Weather-resistant driver cover
  - M4COAXBKT: For mounting PC442 to a PC1500 series horn
- **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: 11.5 in. / 292 mm
  - Width: 14.25 in. / 362 mm
  - Depth: 9.75 in. / 248 mm
- **Weight:**
  - 4 lb. / 1.8 kg
- **Shipping Weight:**
  - 6 lb. / 2.7 kg

1. **Sensitivity:** Free field pink noise measurement at 20 ft / 6.1 m at 5% 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.

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

**FEATURES:**
- Precise Horizontal and Vertical 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 PC494 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. 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.
The horn shall be a 2 inch throat entrance, Pattern Control, 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 800 Hz to 20 kHz with nominal -6 dB beamwidths of 90° horizontal, deviating no more than +4° / -22° between 1 kHz and 16 kHz, and 40° vertical, deviating no more than +10° / -12° between 2 kHz and 16 kHz. The horn shall be 11.5 in. (292 mm) H x 14.25 in. (362 mm) W x 9.75 in. (248 mm) D, and weigh 4 lb. (1.8 kg).