**I SERIES**

**Point Source 800**

**IP8-0002/94**

**HIGH POWER MID-HIGH FREQUENCY**

**90° x 40° INSTALLATION LOUDSPEAKER**

### FEATURES

- Matching ketone polymer MF and HF diaphragms provide unmatched uniform sound quality
- M200HP MF compression driver for signature Community intelligibility and articulation
- HF driver’s non-metallic diaphragm and high-flux neodymium motor with demodulation ring significantly reduce harsh HF break-up modes and distortion
- Innovative low profile modular bracket systems create elegant arrays with simplified installation

### TECHNICAL SPECIFICATIONS

#### OPERATING MODE
- Passive or Biamp with DSP

#### OPERATING ENVIRONMENT
- Indoor or Weather-Resistant Outdoor

#### OPERATING RANGE
- 335 Hz to 16.5 kHz

#### NOMINAL BEAMWIDTH (H x V)
- 90° x 40°, rotatable waveguide

#### TRANSDUCERS
- MF - M200HP, 2” exit, ketone polymer diaphragm, compression driver
- HF - 1 x 1.4” (36mm) exit neodymium compression driver, 2.6” (66mm) voice coil, demodulation ring, ketone polymer diaphragm

#### CONTINUOUS POWER HANDLING @ NOMINAL IMPEDANCE
- Passive
  - MF: 47V @ 35V @ 32V
  - HF: 150W @ 600W peak @ 500W peak
- Passive
  - MF: 125W @ 47V @ 66V
  - HF: 275W @ 150W @ 125W

#### NOMINAL SENSITIVITY @ 1W
- Passive
  - MF: 106 dB @ 35V @ 32V
  - HF: 106 dB @ 106 dB @ 106 dB

#### NOMINAL MAXIMUM SPL (WHOLE SPACE)
- Passive
  - MF: 136 dB @ 66V @ 500W peak
  - HF: 134 dB @ 133 dB @ 127 dB

#### EQUALIZED SENSITIVITY
- System
  - MF: 107 dB @ 107 dB @ 130 dB
  - HF: 137 dB @ 128 dB @ 127 dB

#### RECOMMENDED AMPLIFIERS
- Passive
  - MF: 275W - 550W @ 8 ohms (1100W peak)
  - HF: 150W - 300W @ 8 ohms (600W peak)
  - 125W - 250W @ 8 ohms (500W peak)

### PHYSICAL

#### INPUT CONNECTION
- (2) Screw terminal blocks (6-position)

#### MOUNTING POINTS
- (15) M10 threaded rigging points

#### ENVIRONMENTAL
- Outdoor: IP55W per IEC 60529, MIL-STD-810G

#### WEIGHT
- 63 lbs (28.6 kg) loudspeaker only

#### DIMENSIONS H x W x D
- 19.80” x 22.10” x 26.30” (503 x 561 x 668 mm)

#### FINISH
- Refer to the Technical Drawing

### OPTIONS

#### ACCESSORIES
- (Refer to BalancePoint™ Flyware Accessory Guide for complete listing)
  - Rigging kits include: BFR22: BalancePoint™ Fly Rails; IVY0002: Vertical Yoke; IAF55: Isometric Array Frame; HAB3-BFR38: Sub/Dual 3-Way Horiz Array; HS53/VS53: Multiple Splay Brackets for Horiz/Vert Arrays with/without Sub Behind options; DFS: Downfill Splay Kit; DVS-BFR22: Dual Vert Splay Kit with BalancePoint™ Fly Rails; TPK: Tight Pack Kit; IUB0002WRG: Reinforced 304SS U-Bracket (Grey)

#### CONFIGURE-TO-ORDER (CTO)
- Custom color; Custom cable lengths on outdoor version

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Community strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.
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HORIZONTAL POLAR DATA (30dB Scale, 6dB per major division)

VERTICAL POLAR DATA (30dB Scale, 6dB per major division)
**TECHNICAL DRAWING / DIMENSIONS / FINISH**

**Indoor Models:**
- **Grille:** Powder-coated perforated steel backed with color-matched acoustically transparent woven fabric. Black (RAL9005) or White (RAL9003)
- **Enclosure / Finish:** Black (RAL9005) or White (RAL9003) low gloss, uniformly textured painted 15mm Baltic Birch plywood.

**Outdoor Models:**
- **Grille:** Marine grade aluminum with zinc-rich dual-layer grey powder-coat, featuring hydrophobic treatment of acoustically transparent woven black fabric backing.
- **Enclosure / Finish:** 15mm PolyGlas, Grey (RAL7038), heavily textured industrial-grade exterior-rated coating. Black, White or Custom colors upon request.

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**HH x W x D**
- 19.80" x 22.10" x 26.30" (503 x 561 x 668 mm)

**Unit Weight**
- 63 lbs (28.6 kg) loudspeaker only

**Shipping Weight**
- 76 lbs (34.5 kg)

**NOTES:**
1. SYMBOL INDICATES COG.
2. SYMBOL INDICATES MOUNTING POINT, M10 THREADED HOLE.
3. DRAWING REPRESENTATIVE OF IP8-0002/64, IP8-0002/66, IP8-0002/94.

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**OUTDOOR MODELS**
- **Grille:** Marine grade aluminum with zinc-rich dual-layer grey powder-coat, featuring hydrophobic treatment of acoustically transparent woven black fabric backing.
- **Enclosure / Finish:** 15mm PolyGlas, Grey (RAL7038), heavily textured industrial-grade exterior-rated coating. Black, White or Custom colors upon request.

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*Note: The outdoor model drawing is available at communitypro.com - Input panel and mounting point locations and the unit weight may vary from indoor model (shown).*
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### CONNNECTION DIAGRAMS

- **Single amp**
- **Biamp**

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### NOTES

1. **PERFORMANCE SPECIFICATIONS**
   All measurements are taken indoors using a time-windowed and processed signal to eliminate room effects, approximating an anechoic environment, a distance of 6.0 m. All acoustic specifications are rounded to the nearest whole number. An external DSP with settings provided by Community Professional Loudspeakers is required to achieve the specified performance; further performance gains can be realized using Community’s dSPEC226 loudspeaker processor with FIR power response optimization.

2. **OPERATING RANGE**
   The frequency range in which the on-axis processed response remains within 10dB of the average SPL.

3. **CONTINUOUS POWER HANDLING**
   Maximum continuous input voltage (and the equivalent power rating, in watts, at the stated nominal impedance) that the system can withstand, without damage, for a period of 2 hours using an EIA-426-B defined spectrum; with recommended signal processing and protection filters.

4. **NOMINAL SENSITIVITY**
   Averaged SPL over the operating range with an input voltage that would produce 1 Watt at the nominal impedance and the averaged SPL over the operating range with a fixed input voltage of 2.83V, respectively; swept sine wave axial measurements with no external processing applied in whole space, except where indicated.

5. **NOMINAL MAXIMUM SPL**
   Calculated based on nominal / peak power handling, respectively, and nominal sensitivity; exclusive of power compression.

6. **EQUALIZED SENSITIVITY**
   The respective SPL levels produced when an EIA-426-B signal is applied to the equalized loudspeaker system at a level which produces a total power of 1 Watt, in sum, to the loudspeaker subsections and also at a level which produces a total voltage, in sum, of 2.83V to the loudspeaker subsections, respectively; each referenced to a distance of 1 meter.

7. **EQUALIZED MAXIMUM SPL**
   The SPL produced when an EIA-426-B signal is applied to the equalized loudspeaker system, at a level which drives at least one subsection to its rated continuous input voltage limits, referenced to a distance of 1 meter. The peak SPL represents the 2.1 (6dB) crest factor of the EIA-426-B test signal.

8. **AXIAL PROCESSED RESPONSE**
   The on-axis variation in acoustic output level with frequency of the complete loudspeaker system with recommended signal processing applied. 1/6 octave Gaussian smoothing applied.

9. **AXIAL SENSITIVITY**
   The on-axis variation in acoustic output level with frequency for a 1 Watt swept sine wave, referenced to 1 meter with no signal processing applied. 1/6 octave Gaussian smoothing applied.

10. **HORIZONTAL / VERTICAL OFF-AXIS RESPONSES**
    The loudspeaker's magnitude response at various angles off-axis, with recommended signal processing applied in the operating mode which utilizes the largest number of individually amplified pass bands. 1/6 octave Gaussian smoothing applied.

11. **DIRECTIVITY INDEX**
    The ratio of the on-axis SPL squared to the mean squared SPL at the same distance for all points within the measurement sphere for each given frequency, expressed in dB. 1/6 octave Gaussian smoothing applied.

12. **BEAMWIDTH**
    The angle between the -6dB points in the polar response of the loudspeaker when driven in the operating mode which utilizes the largest number of individually amplified pass bands. 1/6 octave Gaussian smoothing applied.

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CAUTION: Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design.