Applications

- Theatre/Auditoria.
- Houses of Worship.
- Dance Clubs/Discotheques.
- Live Sound Reinforcement.
- Multi-Use Sports Facilities & Stadiums.
- Audio Visual.

Features

- 90° x 90° Rotatable Horn Pattern.
- Large format waveguide delivers excellent pattern control.
- 1.4” (36 mm) Exit / 2.87” (72.2mm) VC HF Device.
- 15” (380mm) LF Device.
- Passive and Biamp Operating Modes.
- (23) Load-rated M10 Rigging Points.
- (4) M8 Omnimount™ 120 inserts.
- Robust Tuf-Coat™ Finish.
- Dual NL4-compatible locking connectors and Barrier Strip Inputs.

Description

The iHP1599 is a premium quality, large format, full range loudspeaker system. The driver complement consists of a 15” (380mm) high power low frequency driver and a 1.4” (36mm) exit / 2.87” (72.2 mm) edgewound voice coil compression driver. The large format rotatable horn flare delivers well controlled 90° x 90° dispersion, and utilizes high order crossovers to minimize band overlap.

The well controlled off-axis response enhances system performance when combined with other iBOX Mid/Hi and subwoofer elements in clusters / arrays. The i115S and i215S subwoofer elements share the same cabinet profile and have been designed for integration with the iHP1599 for aesthetically pleasing clusters / arrays.

The iHP1599 can be used in both passive and bi-amp operating modes. The passive mode is designed to deliver outstanding performance without the use of a processor, while the bi-amp mode allows greater system flexibility. A compatible processor can be used to enhance the LF response, provide a crossover function for use with iBOX subwoofer elements, and much more.

The rugged 13-ply Baltic birch enclosure is finished with Community’s new, robust, smooth Tuf-Coat™ finish. The enclosure also incorporates 23 load-rated M10 rigging points and 4 M8 Omnimount™ 120 inserts in the rear of the enclosure. Simple and flexible installation is achieved using optional hardware from an extensive range designed specifically for the iBOX series.

See the iBOX Hardware Guide for more details.
The loudspeaker system shall be a two-way, full-range bass reflex trapezoidal design with one 15 in. (380 mm) Cool-Coil™ LF driver and one 1.4 in. exit HF driver with a titanium diaphragm mounted to a 90° x 90° HF fiberglass horn. Drivers shall be connected to an integral crossover with a crossover frequency of 1.0 kHz.

There shall be one four-terminal barrier strip and two NL4-compatible locking connectors. The terminal panel shall have a switch to select Biamp or Passive operating modes. The loudspeaker enclosure shall be 13-ply Baltic birch plywood and shall be fitted with 23 X M10 and 4 X M8 flying/rigging inserts and finished with Tuf-Coat™. The front of the enclosure shall be fitted with a 16 gauge perforated steel grille backed with foam. The system shall have an amplitude response of 60 Hz to 18 kHz (+/- 3 dB), input capability of 69V RMS, 101 dB sensitivity at one meter and 2.83V / 8 ohms nominal impedance. The nominal dispersion shall be 90° H x 90° V from 1.0 kHz to 10 kHz. The loudspeaker shall be 33.79 in. (858 mm) H x 18.26 in. (464 mm) W(front) x 8.26 in.(210mm) W(rear) x 19.86 in. (505mm) D and weigh 96 lbs (43.5 kg).

1. Sensitivity: Free field pink noise measurement at 35 ft / 10.6 m at 50% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.