SPECIFICATIONS

Loudspeaker Type: 2-way, full-range

Operating Range: 50 Hz to 18 kHz
80 Hz to 16 kHz (±4.5 dB)

Max Input Ratings (Passive): 600W RMS, 1500W Program
69 volts RMS, 155 volts momentary peak

Max Input Ratings (Bi-amp): LF: 600W RMS, 1500W Program @ 8 ohms
HF: 90W RMS, 180W Program @ 8 ohms

Recommended Power Amplifier (Passive): 1200W to 1800W @ 8 ohms

Sensitivity (1W/1m): 98 dB SPL (80 Hz to 16 kHz 1/3 octave bands)
98 dB SPL (250 Hz to 4 kHz speech range)

Maximum Output: 126 dB SPL / 133 dB SPL (peak)

Nominal Impedance: 8 ohms

Minimum Impedance: 7.2 ohms @ 220 Hz

Nominal Impedances (Bi-amp): LF: 8 ohms
HF: 8 ohms

Nominal –6dB
40° H (+34° / -5°, 2 kHz to 16 kHz)
40° V (+13° / -3°, 2 kHz to 16 kHz)

Axial Q / DI: 22.7 / 13.6, 2 kHz to 16 kHz

Crossover Frequency: 1.4 kHz

Recommended Signal Processing: 60 Hz 24 dB/Octave high pass filter

Drivers: LF 1 x 12"
HF 1 x 2.8" VC/ 1.4" exit

Input Connection: (2) NL4-compatible locking connectors
(4) Terminal barrier strip

Controls: Operating mode switch (bi-amp/passive)

Enclosure: 13-ply solid birch plywood
30° total pitch angle

Finish: Black, white and unfinished versions available.
Contact factory for finish details.

Mounting/Rigging Provisions: (23) M10 flying/rigging inserts
(4) M8 OmniMount™ 120 inserts

Grille: 16-gauge perforated steel, foam backed

Required Accessories: Electronic high pass filter

Optional Accessories: M10EYBLKIT 10 mm eyebolt kit
Mounting/rigging hardware for iHP1200 series

Dimensions—Height: 30.42 inches (773 mm)
Width (front): 16 inches (407 mm)
Width (rear): 6.81 inches (173 mm)
Depth: 18.26 inches (464 mm)

Weight: 82 lbs (37.2 kg)

Shipping Weight: 96 lbs (43.5 kg)

NOTES:
1. Sensitivity: Free field pink noise measurement at 40 ft (12.2 m) at 60% 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.

APPLICATIONS

• Theatre and auditoria
• Houses of worship
• Dance clubs, discotheques
• Live sound reinforcement
• Multipurpose sports facilities
• Stadiums
• Audio visual

DESCRIPTION

The iHP1244 is a premium quality, large format, full-range loudspeaker system. The driver complement consists of a 12” (300 mm) high power low frequency driver and a 1.4” (36 mm) exit / 2.87” (72.2 mm) voice coil compression driver. The large format rotatable horn flare delivers well controlled 40° x 40° 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 i112S and i212S subwoofer elements share the same cabinet profile and have been designed specifically for the iBOX series.

The iHP1244 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 solid birch plywood enclosure 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.

IHP1244 OPTIONS

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Description</th>
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<tbody>
<tr>
<td>&quot;W&quot;</td>
<td>White paint finish with white grille and hardware</td>
</tr>
<tr>
<td>&quot;U&quot;</td>
<td>Unfinished with black grille and hardware</td>
</tr>
<tr>
<td>&quot;P&quot;</td>
<td>Portable version with built-in handles, rubber feet and stacking cups on four recessed corner mounting points</td>
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</tbody>
</table>
The loudspeaker system shall be a two-way, full-range bass reflex trapezoidal design with one 12 in. (300 mm) Cool-Coil™ LF driver and one 1.4 in. exit HF driver with a titanium diaphragm mounted to a 40° x 40° HF fiberglass horn. Drivers shall be connected to an integral crossover with a crossover frequency of 1.5 kHz. There shall be one four-terminal barrier strip and two NL4-compatible locking connectors. The terminal panel shall have a switch to select Bi-amp or Passive operating modes. The loudspeaker enclosure shall be 13-ply solid 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 80 Hz to 18 kHz (+/- 4 dB), input capability of 69V RMS, 100 dB sensitivity at one meter and 2.83V / 8 ohms nominal impedance. The nominal dispersion shall be 40° H x 40° V from 1.5 kHz to 10 kHz. The loudspeaker shall be 30.42 in. (773 mm) H x 16.00 in. (407 mm) W (front) x 6.83 in. (173 mm) W (rear) x 18.26 in. (464 mm) D and weigh 85 lbs (38.6 kg).

Community strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.
iHP1200 Series Portable Option

Portable iBOX models include built-in Ergo-Grip handles, rubber feet and stacking cups on four recessed corner mounting points.

Order iHP1244P.

iHP1200 Series Mounting Accessories

All Community iBOX mounting kits are specifically designed and engineered for the iBOX Series to provide a high degree of safety for supporting the loudspeaker cabinets. Available in black or white finishes to match the loudspeaker enclosure, bracket parts are made of black or white powdercoated steel. Hardware for attaching the bracket assembly kits to the enclosure are included. Each point is rated at 150 lbs working load limit (WLL) with a 15:1 safety ratio.

**IB-Y12**
*Horizontal Mounting Yoke*

Standard "U" type mounting yoke bracket for iHP1200 Series loudspeakers, available in black and white finishes. Provides a yoke-type mounting with hardware for locking the aiming angle.

**IB-VY12**
*Vertical Mounting Yoke*

Vertical mounting yoke for the iHP1200 Series loudspeakers. Each kit includes 2 compound angle plates that attach to the sides of the enclosure and a yoke bracket to fasten to these plates for vertically mounting the loudspeaker. Ideal for theatrical applications.

**IB-VTK**
*Vari-Tilt Kit*

Vari-lift mounting kit for vertically flying two enclosures two-high at different horizontal and/or vertical aiming angles, with up to a 60° splay between cabinet-edge to cabinet-edge. Each kit includes one hang tab channel, two hang tabs, one turnbuckle and two turnbuckle brackets. A standard U-type mounting yoke (IB-Y12) must be purchased separately for each enclosure.

**IB-TPK**
*Tight Pack Kit*

Tight pack mounting kit for tight packing two same-size enclosures into a cluster. Each kit includes two tight pack plates, one spacer bracket and four M10 eyebolts. To tight pack three same-size enclosures, use two IB-TPK's; to tight pack four enclosures, use three IB-TPK's; etc. Use with same-size enclosures in iHP1200 Series. A range extending to a 10° splay between cabinet edges is also possible using the tight pack kits.
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.

WAIVER OF LIABILITY
Whenever Community Light and Sound, Inc. (CLS), dba Community Professional Loudspeakers is requested to provide advice or material regarding the design or installation of its equipment such advice or material is intended and provided for information purposes only. The advice or material is only intended to familiarize the user with various options for design, coverage and installation. User expressly agrees that CLS shall not be liable for any damages, whether in tort, contract, strict liability or otherwise consequential, incidental or otherwise to person or property as a result, directly or indirectly, of the use of any advice or material. The user of any advice or material provided by CLS assumes all risk and liability for the use thereof. Without limitation to the above, CLS does not accept liability or responsibility for the performance of any manufacturer, design, method, use, material or technique employed by the acoustic designer and/or installation company. All advice, information or material is subject to field variations and environmental conditions. All advice, information, or material given is offered on the assumption that common or standard practices for installation used in the construction trades is applied to all phases of the user’s project. Actual assembly or configuration must be performed only by persons with knowledge of mechanical trades and rigging, where applicable. Any installation method must be certified by a Professional Engineer licensed in the state in which assembly or configuration is located.