

## SPECIFICATIONS

<b>Loudspeaker Type:</b>	3-way, full-range, bass ported
<b>Operating Range:</b>	45 Hz to 18 kHz 80 Hz to 16 kHz (±4 dB)
<b>Max Input Ratings (Passive):</b>	600W RMS, 1500W Program
<b>Max Input Ratings (Bi-amp):</b>	LF: 600W RMS, 1500W Program @ 8 ohms MF/HF: 100W RMS, 250W Program @ 8 ohms
<b>Recommended Power Amplifier (Passive):</b>	1250W to 1800W @ 8 ohms
<b>Recommended Power Amplifier (Bi-amp):</b>	LF: 1250W to 1800W @ 8 ohms MF/HF: 210W to 300W @ 8 ohms
<b>Sensitivity (1W/1m):</b>	98 dB SPL (80 Hz to 16 kHz 1/3 octave bands) 99 dB SPL (250 Hz to 4 kHz speech range)
<b>Maximum Output:</b>	126 dB SPL / 133 dB SPL (peak)
<b>Nominal Impedance:</b>	8 ohms
<b>Minimum Impedance:</b>	6.3 ohms @ 2.1 kHz
<b>Nominal Impedances (Bi-amp):</b>	LF: 8 ohms HF: 8 ohms
<b>Nominal -6dB Beamwidth:</b>	60° H x 40° V
<b>Crossover Frequency:</b>	500 Hz / 2 kHz
<b>Recommended Signal Processing:</b>	50 Hz high pass filter
<b>Drivers:</b>	LF 1 x 15" MF 1 x 8" HF 1 x 2.8" VC/ 1.4" exit
<b>Input Connection:</b>	(2) NL4-compatible locking connectors (4) Terminal barrier strip
<b>Controls:</b>	Operating mode switch (bi-amp/passive)
<b>Enclosure:</b>	13-ply solid birch plywood
<b>Finish:</b>	Black, white and unfinished versions available. Contact factory for finish details.
<b>Mounting/Rigging Provisions:</b>	(23) M10 flying/rigging inserts (4) M8 OmniMount™ 240 inserts
<b>Grille:</b>	16-gauge perforated steel
<b>Required Accessories:</b>	Electronic high pass filter
<b>Optional Accessories:</b>	M10EYBLKIT 10 mm eyebolt kit Mounting/rigging hardware for iHP3500 series
<b>Dimensions—Height:</b>	36.42 inches (925 mm)
<b>Width (front):</b>	21 inches (533 mm)
<b>Width (rear):</b>	9.9 inches (251 mm)
<b>Depth:</b>	21.99 inches (559 mm)
<b>Weight:</b>	123 lbs (55.8 kg)
<b>Shipping Weight:</b>	136 lbs (61.7 kg)

### NOTES:

- 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.
- Watts: All wattage figures are calculated using the rated nominal impedance.



Shown:  
Standard Model iHP3564

## APPLICATIONS

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

## FEATURES

- 60° x 40° horn pattern
- Large format waveguide delivers excellent pattern control
- 1.4" (36 mm) exit / 2.87" (72.2mm) VC HF device
- 8" (205mm) MR device and 15" (380mm) LF device
- Passive and bi-amp operating modes
- (23) Load-rated M10 rigging points
- (4) M8 OmniMount™ 240 inserts
- Dual NL4-compatible locking connectors and barrier strip inputs
- Available in black, white and unfinished
- Optional portable version ("P" suffix) with built-in handles, rubber feet and stacking cups on four recessed corner mounting points
- Optional horizontal version in a different cabinet configuration
- Five-year warranty

## DESCRIPTION

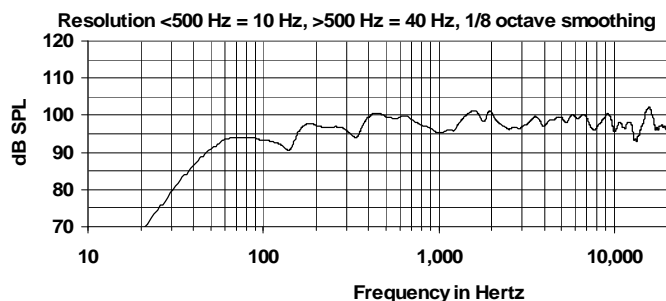
The iHP3564 is a premium quality, large format, full-range loudspeaker system. The driver complement consists of a 15-inch (380mm) high power low frequency driver, an 8-inch (205mm) midrange driver, and a 1.4-inch (36mm) exit / 2.87-inch (72.2 mm) edgewound voice coil compression driver. The large format horn flare delivers well controlled 60° 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 and arrays. The i215LVS and i118S subwoofer elements share the same cabinet profile and have been designed for integration with the iHP3564 for aesthetically pleasing clusters and arrays.

The iHP3564 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 birch plywood enclosure is finished with Community's robust, smooth Tuf-Coat™ finish. The enclosure also incorporates 23 load-rated M10 rigging points and 4 M8 OmniMount™ 240 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.

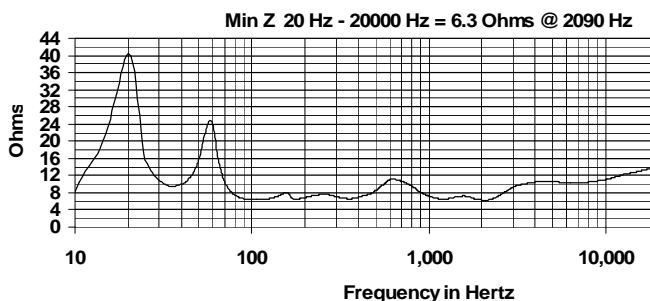
### iHP3564 OPTIONS

"W" suffix	White paint finish with white grille and hardware
"U" suffix	Unfinished with black grille and hardware
"P" suffix	Portable version with built-in handles, rubber feet and stacking cups on four recessed corner mounting points
"H" suffix	Horizontal version with HF horn rotated 90°

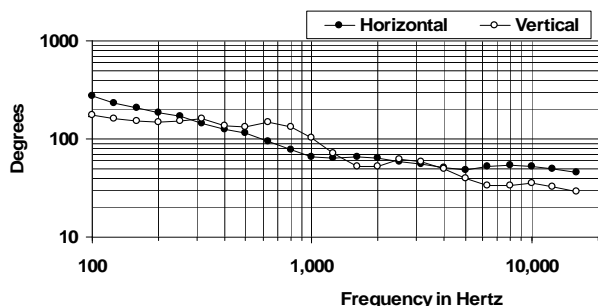
## FREQUENCY RESPONSE



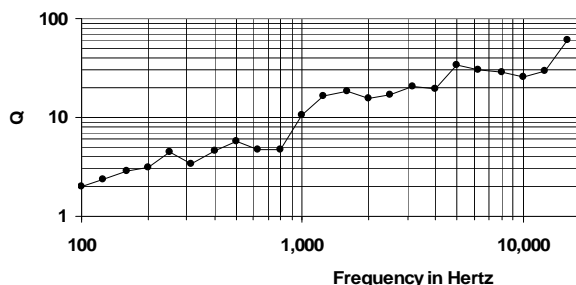
## IMPEDANCE



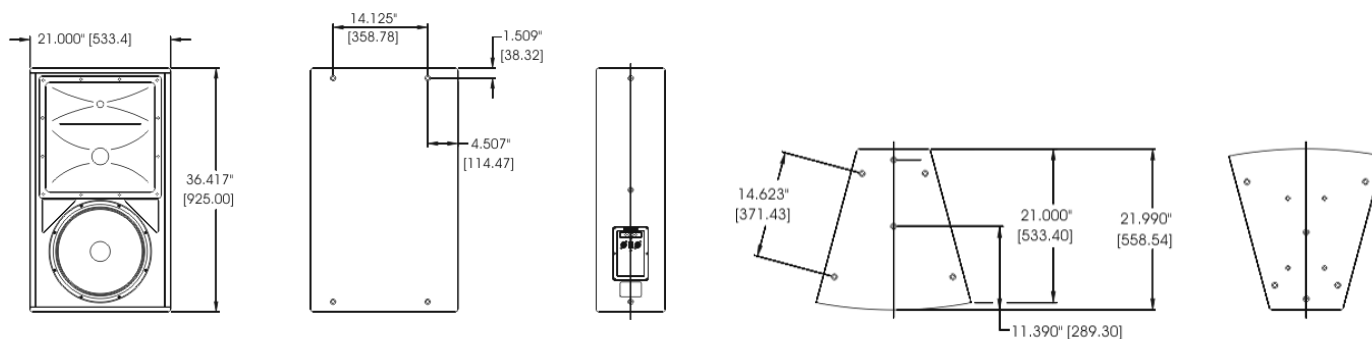
## BEAMWIDTH



## AXIAL Q



## DIMENSIONS



## ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a three-way, full-range bass reflex trapezoidal design with one 15 in. (380 mm) Cool-Coil™ LF driver, one 8 in. (205 mm) MR driver, and one 1.4 in. exit HF driver with a titanium diaphragm mounted to a 60° x 40° HF fiberglass horn. Drivers shall be connected to an integral crossover with an LF-MF crossover frequency of 500 Hz and an MF-HF crossover frequency of 2 kHz. During bi-amp operation the MF-HF crossover is still in circuit. 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. The system shall have an amplitude response of 80 Hz to 16 kHz (+/- 4 dB), input capability of 69V RMS, 98 dB sensitivity at one meter and 2.83V / 8 ohms nominal impedance. The nominal dispersion shall be 60° H x 40° V from 1.6 kHz to 12 kHz. The loudspeaker shall be 36.42 in. (925 mm) H x 21 in. (533 mm) W(front) x 9.9 in. (251 mm) W(rear) x 21.99 in. (559mm) D and weigh 123 lbs (55.8 kg).

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

## iHP3500 Series Portable Option

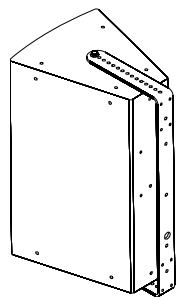


Portable iBOX models include built-in Ergo-Grip handles, rubber feet and stacking cups on four recessed corner mounting points.

Order iHP3564P.

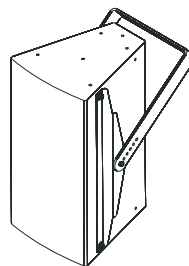
## iHP3500 Series Mounting Accessories

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.



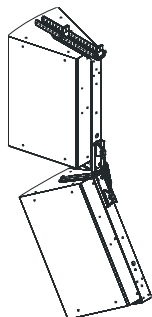
### IB-Y35 Horizontal Mounting Yoke

Standard "U" type mounting yoke bracket for iHP3500 Series loudspeakers, available in black and white finishes. Provides a yoke-type mounting with hardware for locking the aiming angle.



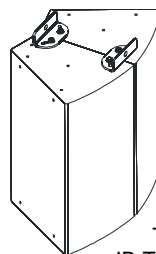
### IB-VY35 Vertical Mounting Yoke

Vertical mounting yoke for the iHP3500 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

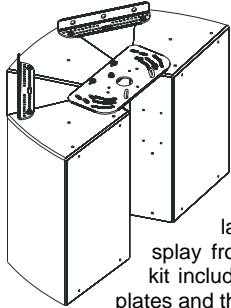
Vari-tilt mounting kit for vertically flying two enclosures two-high at different horizontal and/or vertical aiming angles, with up to a 60° splay between cabinet-edge to cabinet-edge. Each kit includes one hang tab channel, two hang tabs, one turnbuckle and two turnbuckle brackets. **A standard U-type mounting yoke (IB-Y35) must be purchased separately for each enclosure.**



### IB-TPK Tight Pack Kit

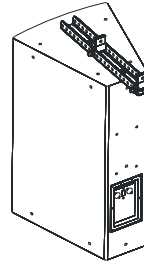
Tight pack mounting kit for tight packing two same-size enclosures into a cluster. Each kit includes two tight pack plates, one spacer bracket and four M10 eyebolts. To tight pack three same-size enclosures, use two IB-TPK's; to tight pack four enclosures, use three IB-TPK's; etc. Use with same-size enclosures in iHP3500 Series. A range extending to a 10° splay between cabinet edges is also possible using the tight pack kits.

## iHP3500 Series Mounting Accessories (continued)



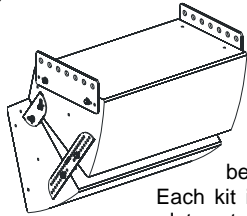
### IB-UPK Universal Planar Kit

Planar mounting kit for creating clusters of three same-size enclosures with up to a 45° splay between cabinet-edge to cabinet-edge; or clusters of three different-size enclosures in "small-large-small" configuration with up to a 15° splay from cabinet-edge to cabinet-edge. Each kit includes one planar bracket, two planar angle plates and three M10 eyebolts.



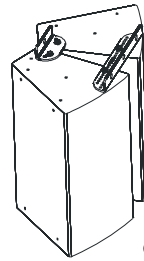
### IB-VAK Vari-Angle Kit

Vari-angle hanging kit for vertically flying single enclosures at different aiming angles. Each kit includes one hang tab channel and two hang tabs. The hang tab channel mounts directly onto the top of the enclosure for an aesthetically pleasing installation. However, a standard horizontal mounting yoke may also be purchased separately for use with each enclosure at the installer's discretion.



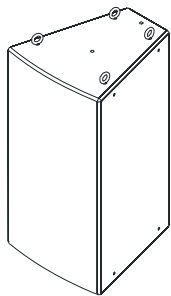
### IB-HFK Horizontal Fly Kit

Horizontal flying kit for horizontally array hanging two same-size enclosures with up to a 45° splay between cabinet-edge to cabinet-edge. Each kit includes two lifting brackets, two planar spacer plates, two fly kit spacer brackets and four M10 eyebolts. To horizontally array three same-size enclosures, use two IB-HFK's; to horizontally array four same-size enclosures, use three IB-HFK's; etc. Use with same-size enclosures in the iHP3500 Series.



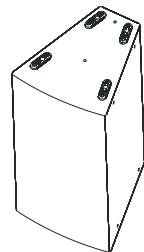
### IB-VFK Vertical Fly Kit

Vertical flying kit for vertically array hanging two same-size enclosures with up to a 45° splay between cabinet-edge to cabinet-edge. Each kit includes one planar angle plate, one tight pack bracket, one fly kit spacer bracket and four M10 eyebolts. To vertically array three same-size enclosures, use two IB-VFK's; to vertically array four same-size enclosures, use three IB-VFK's; etc. Use with same-size enclosures in the iHP3500 Series.



### M10EYBLTKIT 10mm Eyebolt Kit

Kit of four 10mm eyebolts for suspending and rigging iHP3500 Series loudspeakers, black zinc plated. Each iHP3500 loudspeaker features 23 M10 load-rated rigging points plus four (4) M8 OmniMount™ 240 series rear inserts.



### STKIT Seat Track Kit

Seat Track Kit for suspending a single loudspeaker enclosure. Each kit contains four seat track channels and both M10 (10mm) and 3/8-16" threaded fasteners for attachment to loudspeaker enclosures. **Use M10 fasteners with all iHP3500 Series loudspeakers.** Use multiple Seat Track Kits for multiple enclosures.

**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.