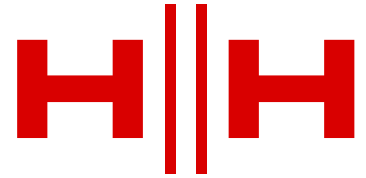


TNP-1501

15" Two-Way Passive Loudspeaker

T E S S E N



SPEC SHEET



The TNP-1501 is a compact and versatile passive loudspeaker in the Tessen range. It has been designed to deliver maximum performance for its size and is suitable for front of house PA, stage monitor or install use.

Key Features:

- High sensitivity, long throw HH15" woofer with Kevlar reinforced cone
- High performance, Italian Designed 1" throat compression driver.
- Bi-amp or full range modes
- High 800W Peak, 400W Continuous Power handling without compression for dynamic performance
- 3 x M10 fly points for horizontal or vertical suspension
- 35mm pole mount
- 35° monitor angle
- High quality, high power passive Xovers, with bi-amp bypass switch
- Multi layer plywood construction with internal bracing, hardwearing black finish
- Asymmetric profile to prevent standing wave distortion
- Full range frequency response; deliver great sound with or without additional subwoofers
- Highly detailed mid range for vocal clarity
- 1.5mm steel grille with acoustic foam backing for maximum driver protection without compromising sound
- Frequency range: (-10) 47-20KHz
- Frequency range: (-3) 57-20KHz
- Max SPL 126dB

Applications:

- Live sound venues
- Dance clubs
- Worship facilities
- Sports facilities
- General sound reinforcement

Control Panel:



System

Model :	TNP-1501
System type :	15" Biamp capable 2 way passive speaker, Bass reflex
Frequency response (-10) :	41 - 20kHz
Frequency response (-3) :	53 - 20kHz
Max SPL (1M) (Peak) :	127dB

Power Rating :	800W Peak, 400W Continuous
Nominal System Impedance :	8 ohm
Woofer impedance (biamp mode) :	8 ohm
Tweeter impedance (biamp mode) :	8 ohm

Input Connector :	4 pole neutrik compatible locking connector
Link Connector :	4 pole neutrik compatible locking connector

Speaker

HF Driver :	1" LaVoce DF10 compression driver
LF Driver :	15" HH LG-436EH
Coverage :	70H x 70V
Crossover Frequency :	3KHz

Enclosure

Cabinet :	Lightweight multilayer plywood
Finish :	Hard wearing black finish
Flying points :	3 x M10 Penn-Elcom fly points
Pole mount :	35mm
Grille :	Heavy gauge 1.5mm powdercoated steel with acoustic foam backing

Monitor Angle :	35°
Unit dimensions (mm) (HWD) :	630x433x375
Monitor depth (mm) (MD) :	466
Unit weight (Kg) :	18.3
Carton dimensions (mm) (HWD) :	675x505x445
Packed weight (Kg) :	21.5

In the interest of continued development, HH reserves the right to amend product specification without prior notification.

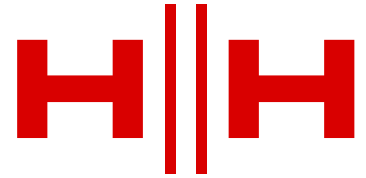


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TNP-1501

15" Two-Way Passive Loudspeaker

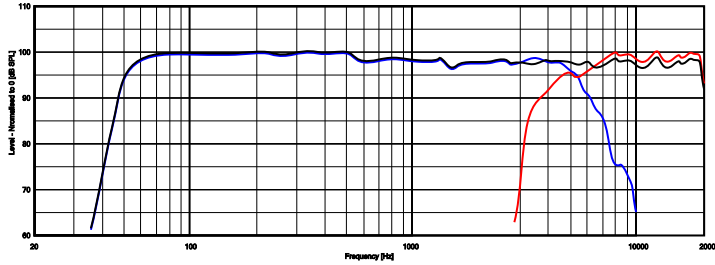
TESSEN



SPEC SHEET

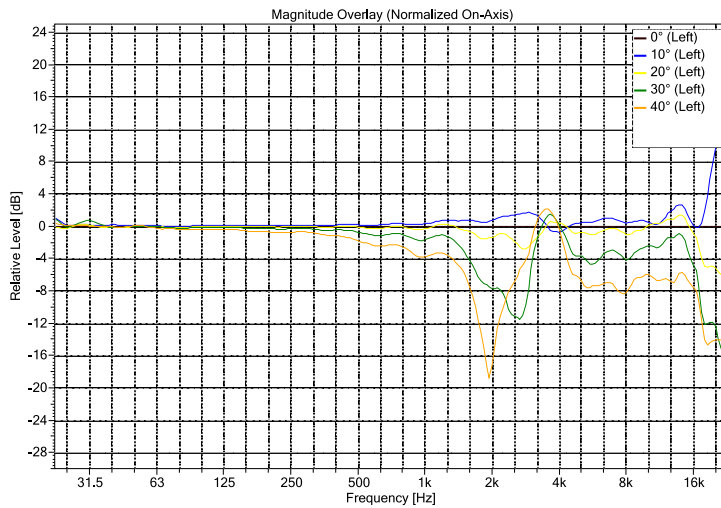
FREQUENCY RESPONSE

Display Parameters: Frequency: (1/3rd Octave) Mer: 0° Par: 0°



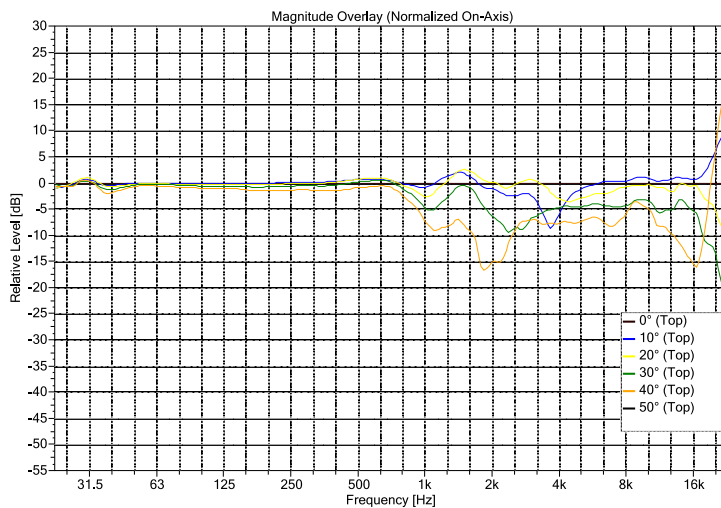
HORIZONTAL OFF-AXIS RESPONSE

Data Shown: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
Display Parameters: Frequency: 1000Hz (1/3rd Octave) Mer: 0° Par: 0°



VERTICAL OFF-AXIS RESPONSE

Data Shown: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
Display Parameters: Frequency: 1000Hz (1/3rd Octave) Mer: 0° Par: 0°

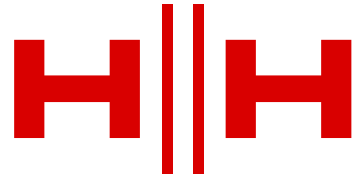


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TNP-1501

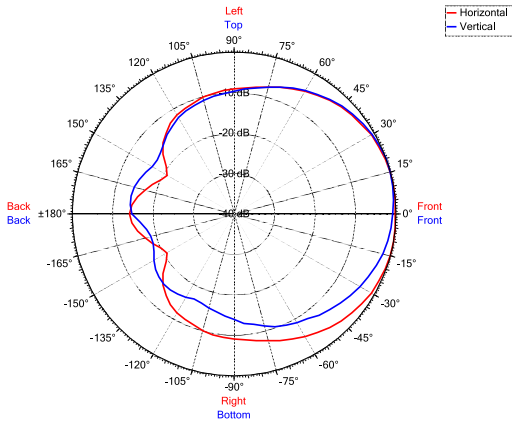
15" Two-Way Passive Loudspeaker

T E S S E N

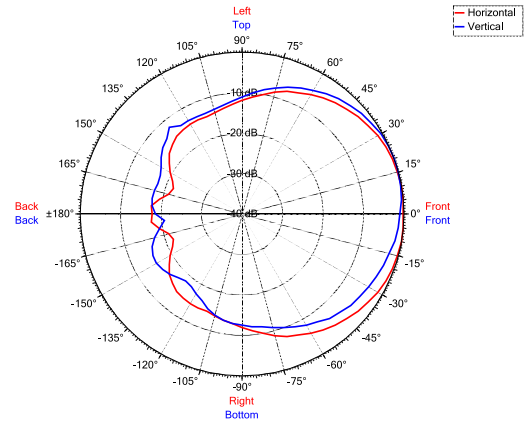


SPEC SHEET

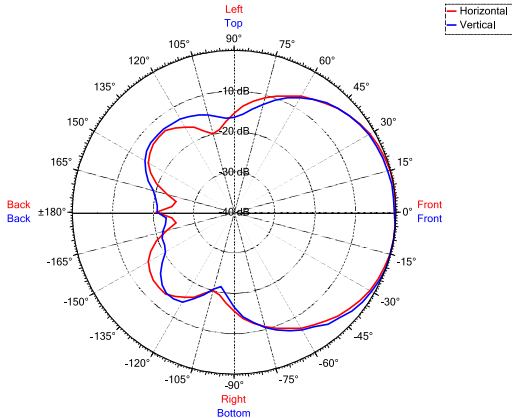
Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 500Hz (1/3rd Octave)



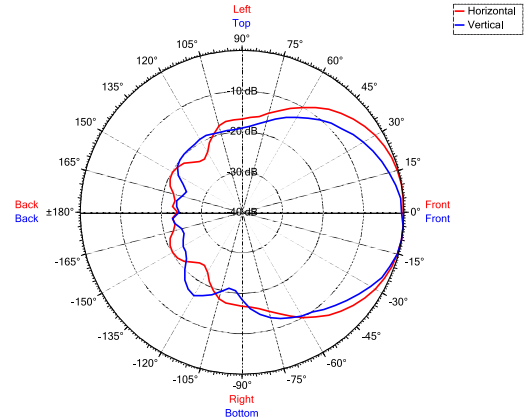
Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 630Hz (1/3rd Octave)



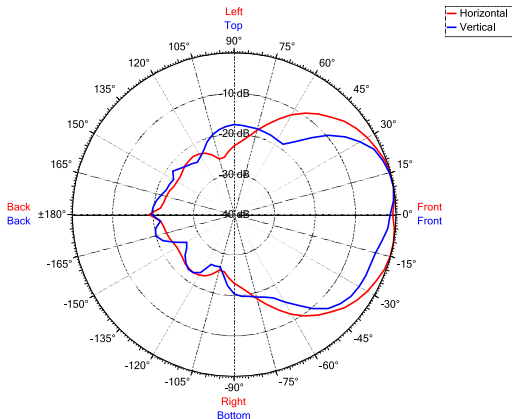
Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 800Hz (1/3rd Octave)



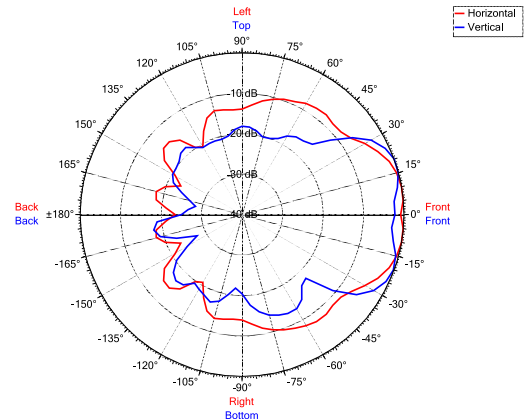
Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 1000Hz (1/3rd Octave)



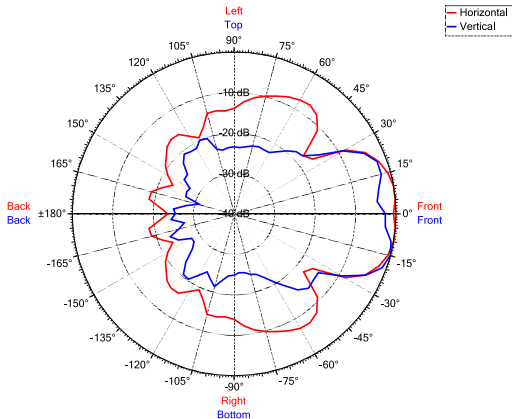
Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 1250Hz (1/3rd Octave)



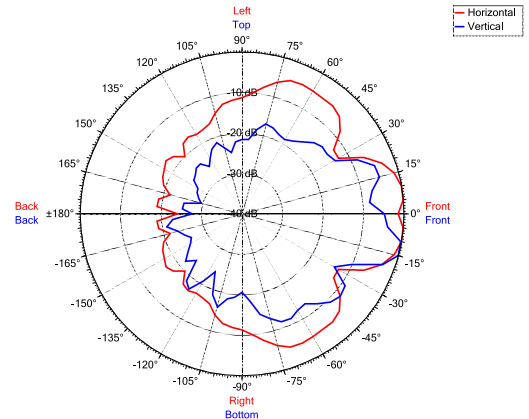
Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 1600Hz (1/3rd Octave)



Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 2000Hz (1/3rd Octave)



Data Show: TNP-1501 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 2500Hz (1/3rd Octave)

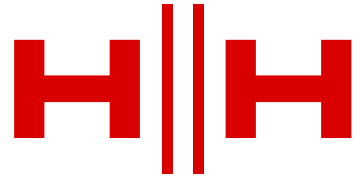


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TNP-1501

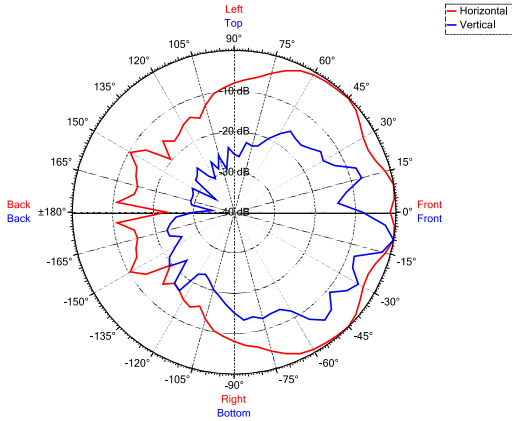
15" Two-Way Passive Loudspeaker

T E S S E N

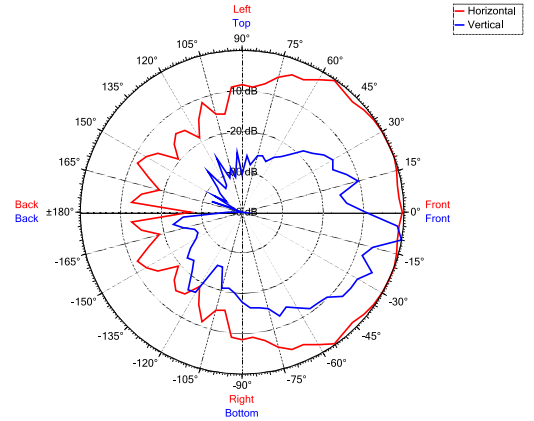


SPEC SHEET

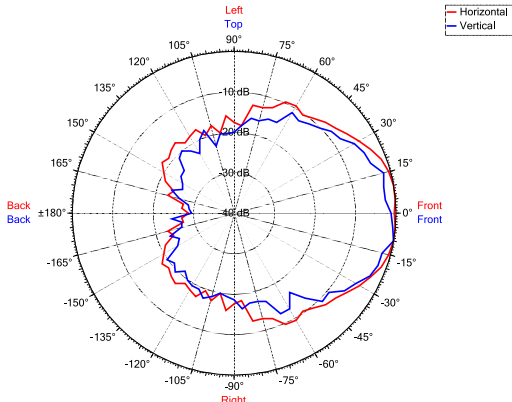
Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 3150Hz (1/3rd Octave)



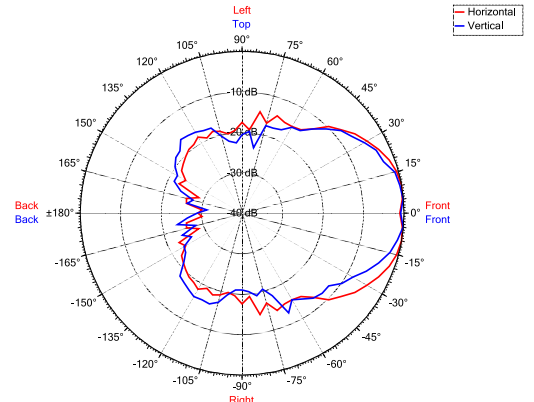
Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 4000Hz (1/3rd Octave)



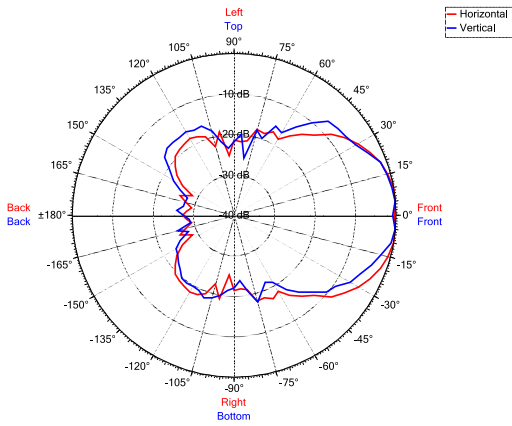
Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 5000Hz (1/3rd Octave)



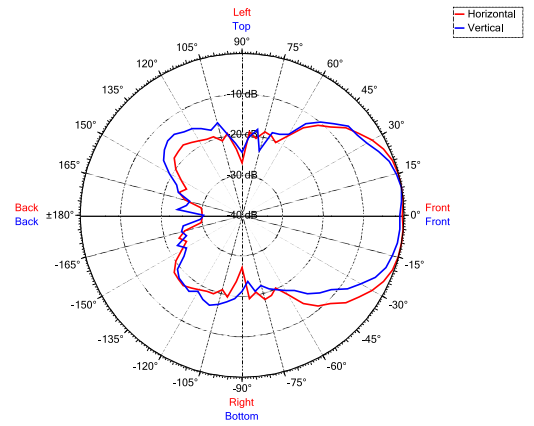
Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 6300Hz (1/3rd Octave)



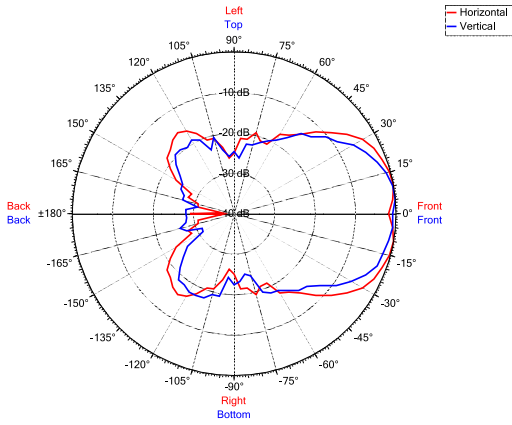
Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 8000Hz (1/3rd Octave)



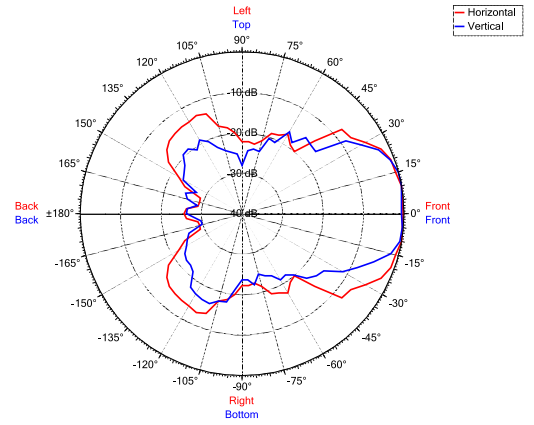
Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 10000Hz (1/3rd Octave)



Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 12500Hz (1/3rd Octave)



Data Show: TNP-1501 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal
 Display Parameters: Frequency: 16000Hz (1/3rd Octave)

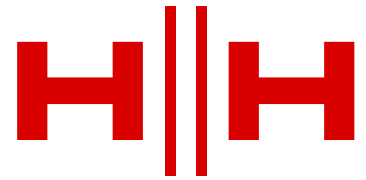


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TNP-1501

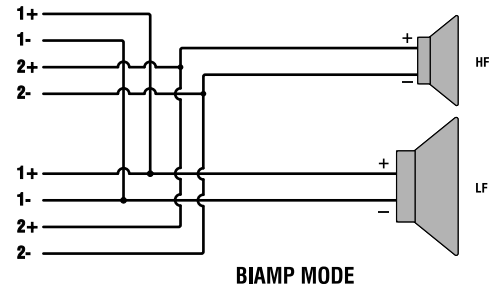
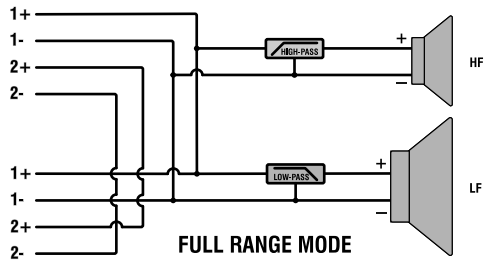
15" Two-Way Passive Loudspeaker

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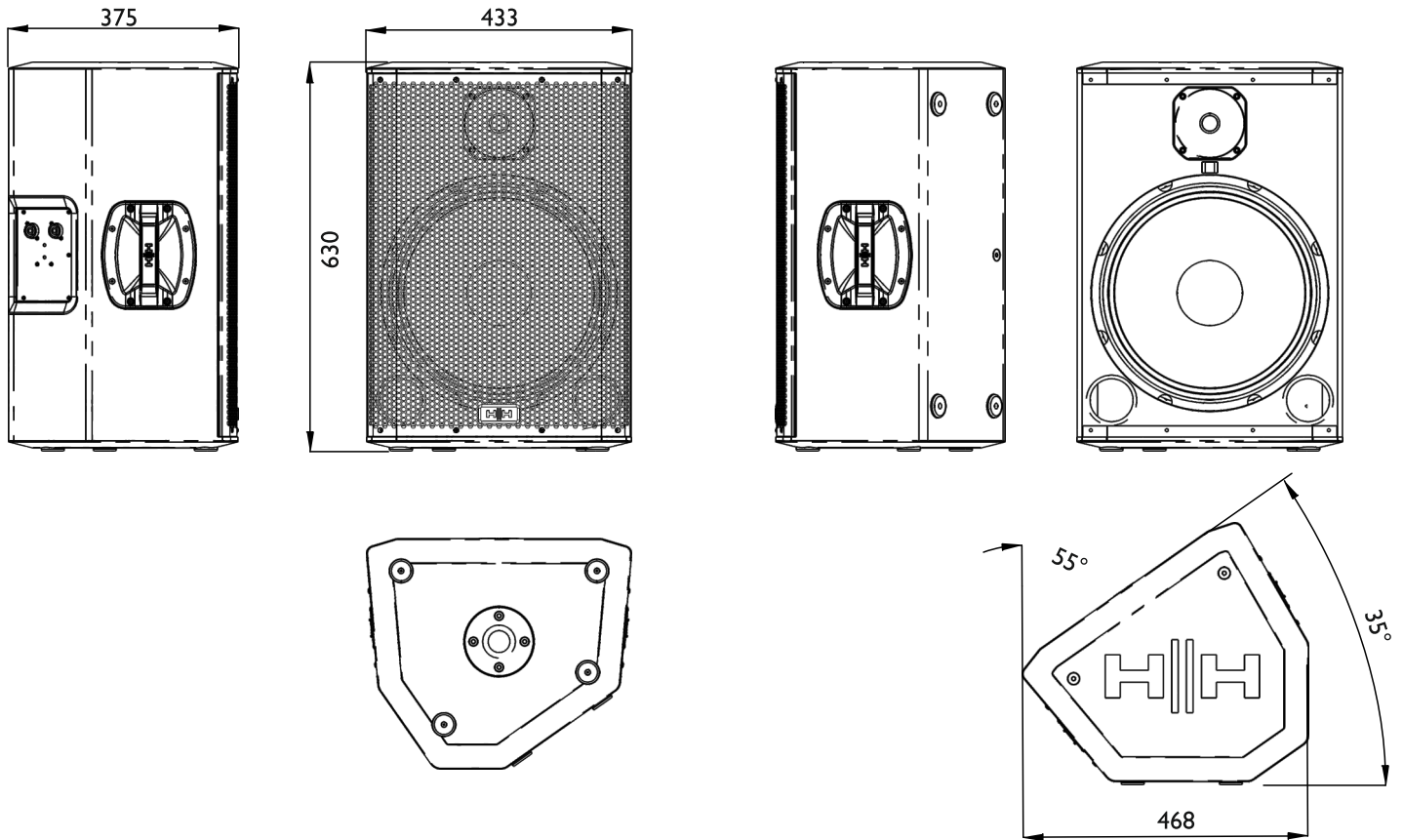


SPEC SHEET

BLOCK DIAGRAM



DIMENSIONS (in mm)



For additional polar plots, EASE modelling files, 2D and 3D drawings files, please check www.hhelectronics.com



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