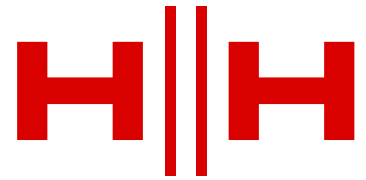


# TNP-2151

2\*15" Two-Way Passive Loudspeaker

**T E S S E N**



## SPEC SHEET



The close-coupled dual 15" HH woofers, give impressive depth and volume. The full frequency response and high sound pressure ensure the Tessen 2151 excels as a complete standalone system for FOH or sidefill applications, but it's equally happy working with the TNP-1800S sub in larger rigs. Suitable for front of house PA or install use.

### Control Panel:



### Key Features:

- Two 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 2000W Peak, 1000W Continuous Power handling without compression for dynamic performance
- 3 x M10 fly points for horizontal or vertical suspension
- 35mm pole mount
- High quality, high power passive Xover, 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: 40-20KHz
- Max : SPL 134dB

### Applications:

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

### System

Model :	TNP-2151
System type :	2*15" Biamp capable 2 way passive speaker, Bass reflex
Frequency response (-10) :	40 - 20kHz
Frequency response (-3) :	50 - 20kHz
Max SPL (1M) (Peak) :	134dB

Power Rating :	2000W Peak, 1000W Continuous
Nominal System Impedance :	4 ohm
Woofer impedance (biamp mode) :	4 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 :	2* 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) :	995x433x375
Monitor depth (mm) (MD) :	466
Unit weight (Kg) :	27.8
Carton dimensions (mm) (HWD) :	1040x505x445
Packed weight (Kg) :	31.4

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

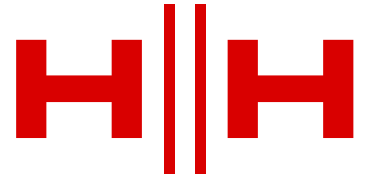


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# TNP-2151

2\*15" Two-Way Passive Loudspeaker

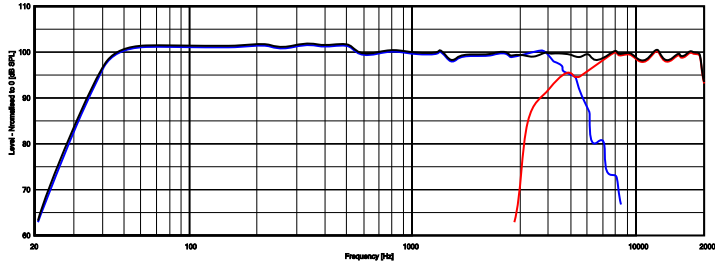
# TESSEN



## SPEC SHEET

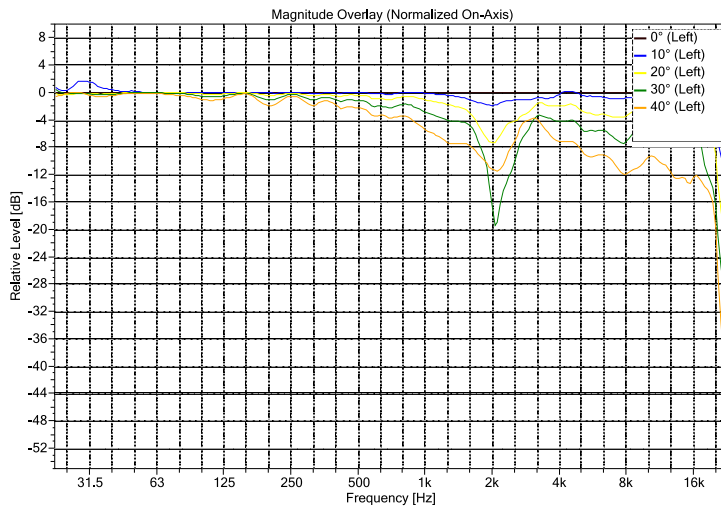
### FREQUENCY RESPONSE

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

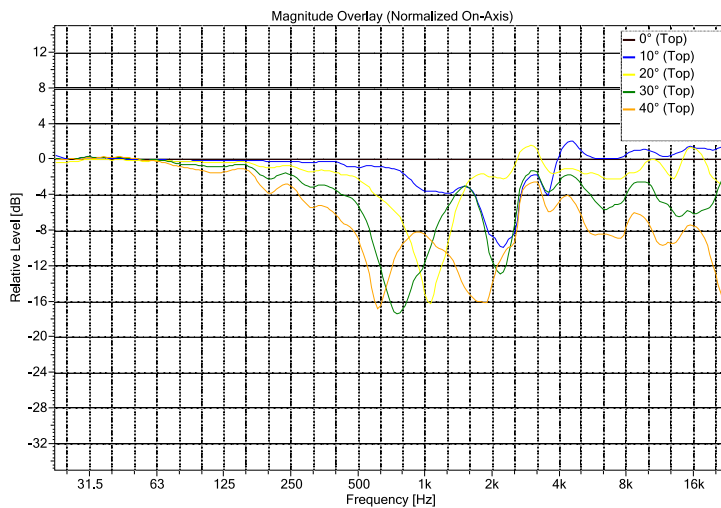


### HORIZONTAL OFF-AXIS RESPONSE

Data Shown: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 500Hz (1/3rd Octave) Mer: 0° Par: 0°



VERTICAL Data Shown: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 500Hz (1/3rd Octave) Mer: 0° Par: 0°

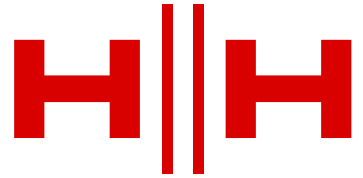


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# TNP-2151

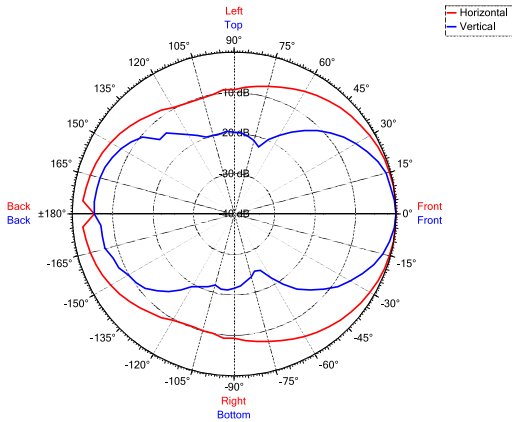
2\*15" Two-Way Passive Loudspeaker

# TESSEN

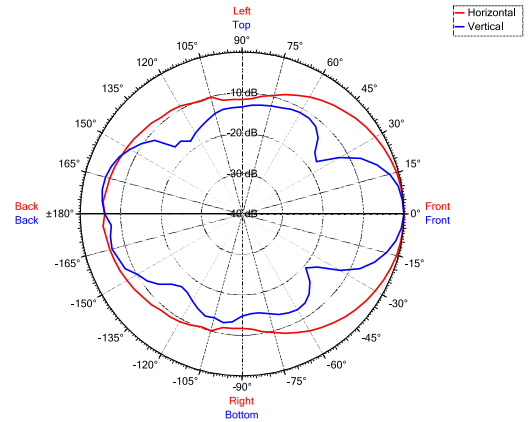


## SPEC SHEET

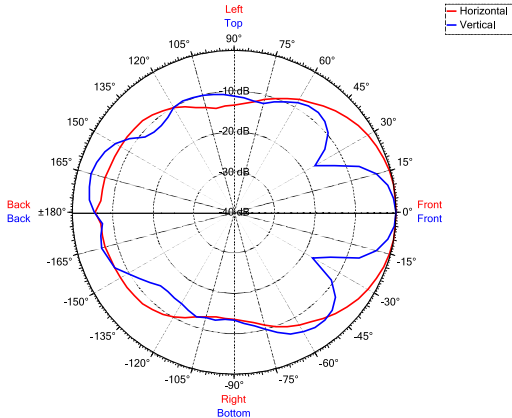
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Display Parameters: Frequency: 500Hz (1/3rd Octave)



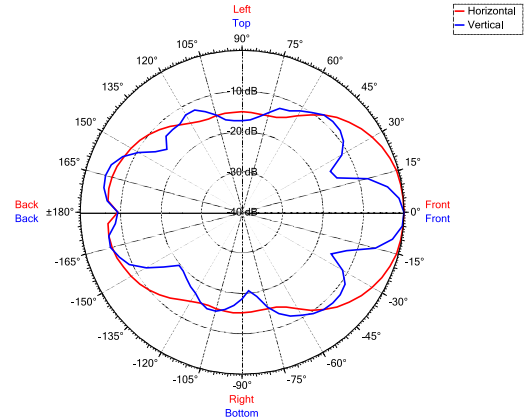
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 630Hz (1/3rd Octave)



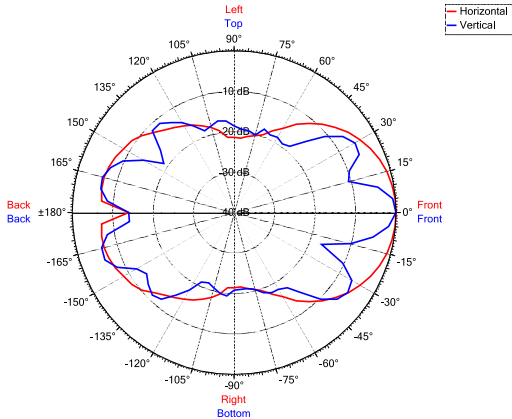
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 800Hz (1/3rd Octave)



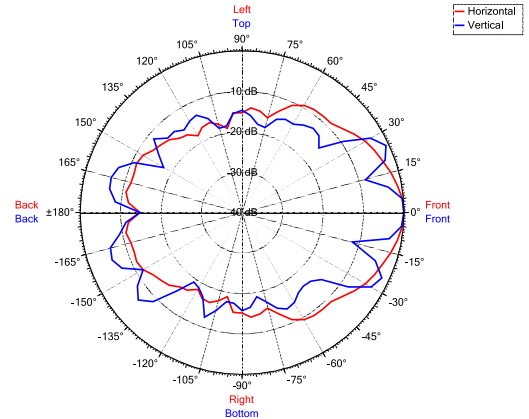
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 1000Hz (1/3rd Octave)



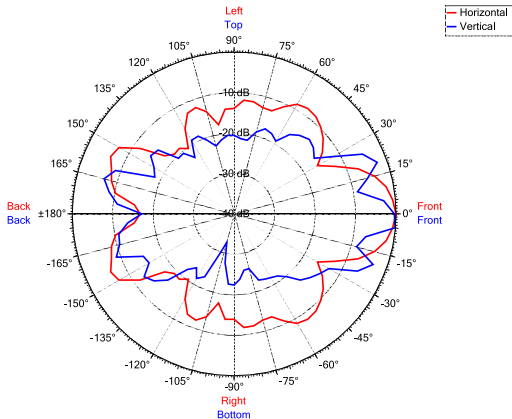
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 1250Hz (1/3rd Octave)



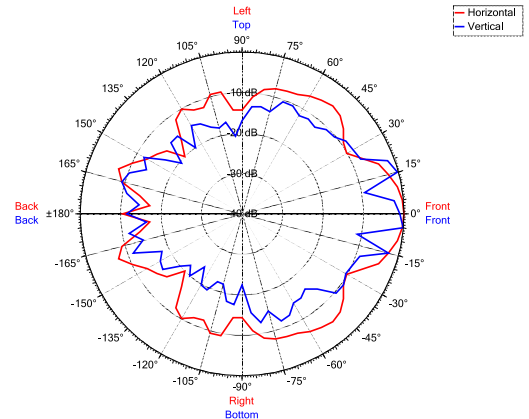
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 1600Hz (1/3rd Octave)



Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 2000Hz (1/3rd Octave)



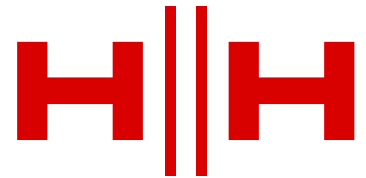
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
Display Parameters: Frequency: 2500Hz (1/3rd Octave)



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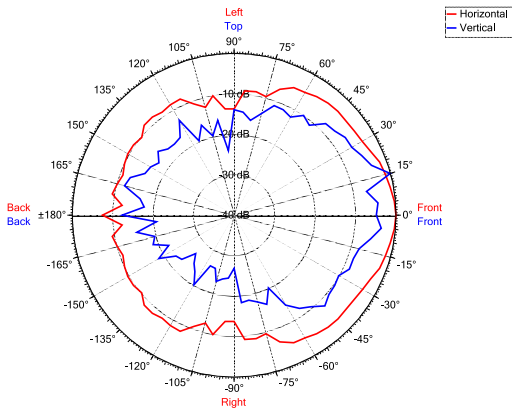
# TNP-2151

## 2\*15" Two-Way Passive Loudspeaker

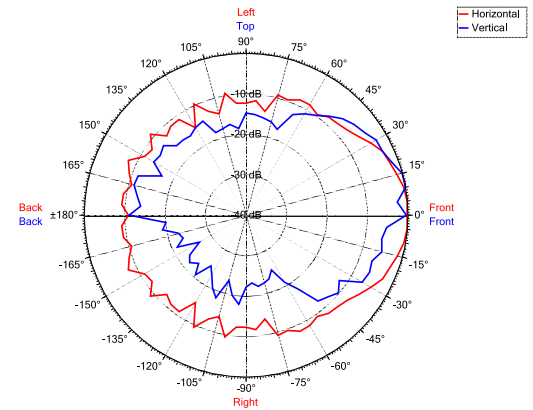


### SPEC SHEET

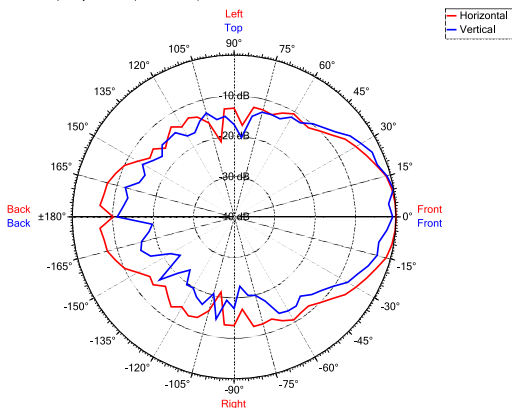
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 3150Hz (1/3rd Octave)



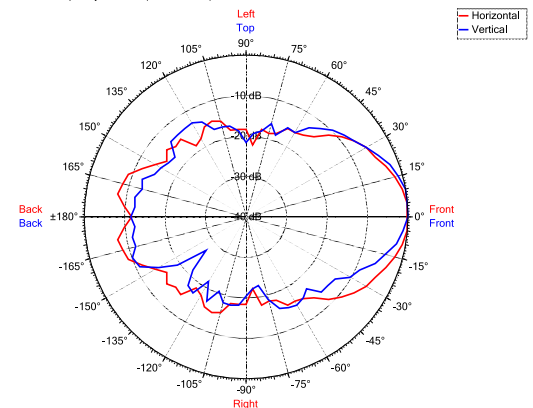
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 4000Hz (1/3rd Octave)



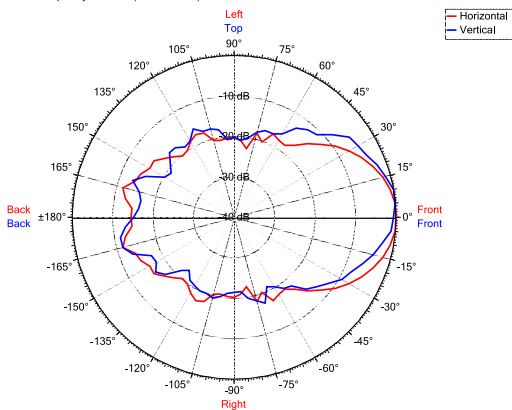
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 5000Hz (1/3rd Octave)



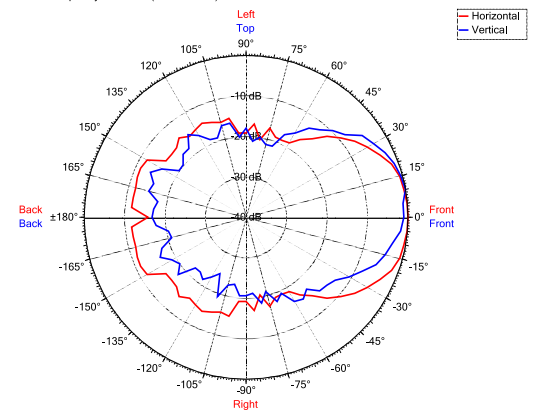
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 6300Hz (1/3rd Octave)



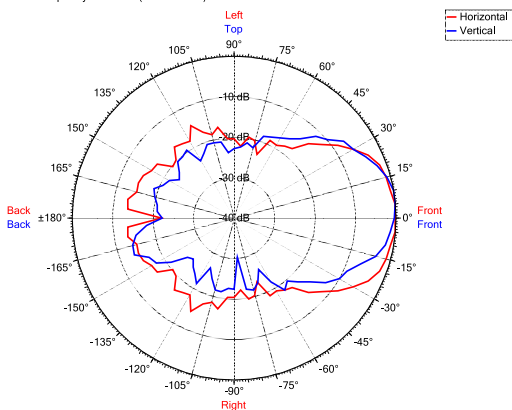
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 8000Hz (1/3rd Octave)



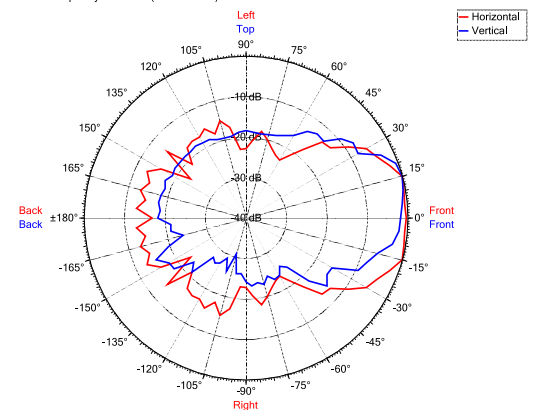
Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 10000Hz (1/3rd Octave)



Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 12500Hz (1/3rd Octave)



Data Show: TNP-2151 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 16000Hz (1/3rd Octave)

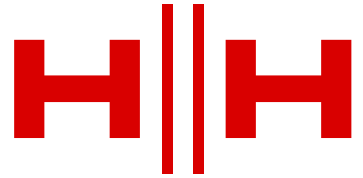


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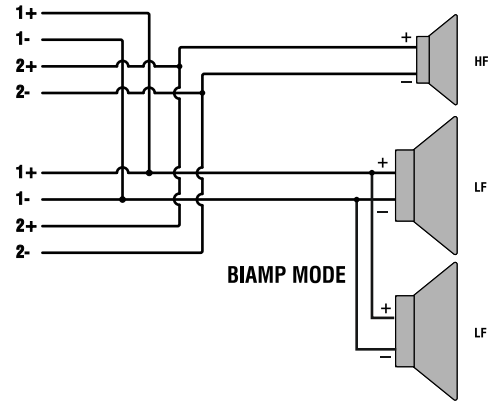
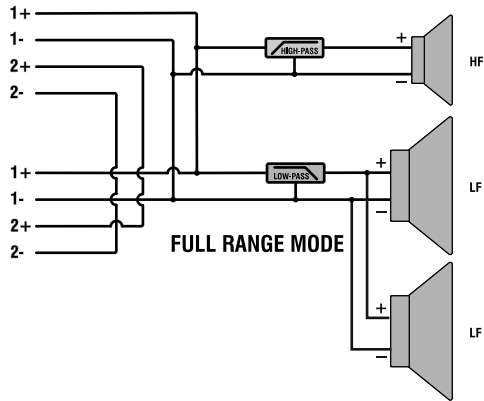
2\*15" Two-Way Passive Loudspeaker

TESSEN

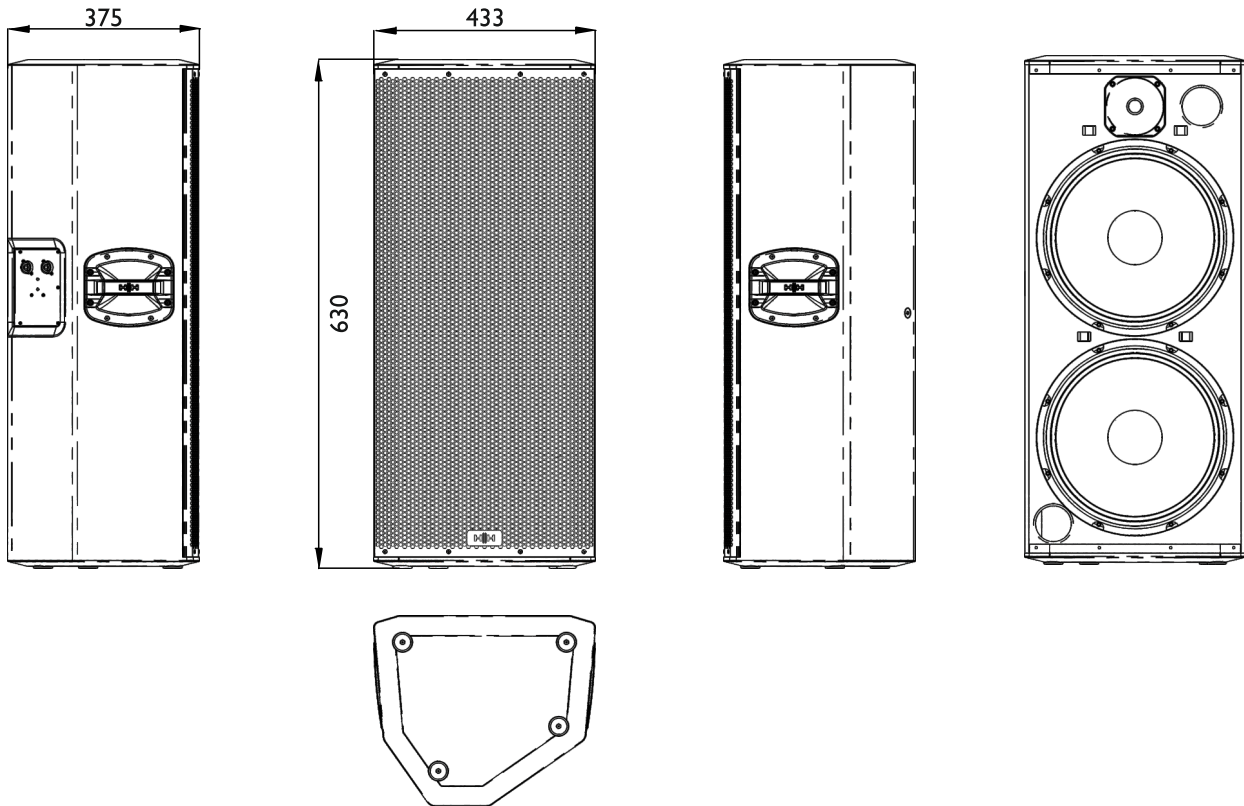


## SPEC SHEET

### BLOCK DIAGRAM



### DIMENSIONS (in mm)



For additional polar plots, EASE modelling files, 2D and 3D drawings files, please check [www.hhelectronics.com](http://www.hhelectronics.com)



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