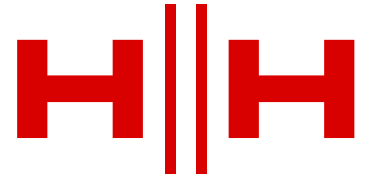


# TNE-1201

12" Two-Way Powered Loudspeaker

## SPEC SHEET

# T E S S E N



The TNE-1201 is a compact and versatile 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 HH12" woofer with Kevlar loaded cone
- High performance, Italian Designed 1" compression driver.
- 1600W asymmetric highly efficient Class D bi-amp
- 3 x M10 fly points for vertical suspension
- 35mm pole mount
- 35° monitor angle
- Custom designed DSP engine
- EQ pre-sets for room/application optimisation
- Variable EQ for instant fine tuning for venue/audience size
- Auto-ranging feedback suppression
- Inbuilt 2 channel mixer
- Extensive protection
- Multilayer plywood construction with hardwearing black finish
- 1.5mm steel grille with acoustic foam backing for maximum driver protection
- Frequency range: (-10) 45-20KHz
- Frequency range: (-3) 57-20KHz

### Applications:

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

### Control Panel:



### System

Model :	TNE-1201
System type :	2 way active 12" loudspeaker, Bass reflex
Frequency response (-10) :	47 - 20kHz
Frequency response (-3) :	59 - 20kHz
Max SPL (Peak) :	129dB

### Amplifier

Power Rating :	1600W Peak, 800W Continuous
Input Impedance :	22K Balanced, 10K unbalanced
Gain :	20dBu
Maximum Input Level : Mic/Line :	21dBu
Input Connectors :	2x Balanced Combi XLR/1/4" Jack connectors
Output Connectors :	1x Balanced XLR output (Switchable CH1/CH1+2)
Signal Indicators :	Power, Standby, Anti-Feedback, Signal Present, Clip Indicator, EQ Mode
EQ :	User selectable performance presets for Flat, Bass, Monitor, Vocal plus HF/LF fine trim.
DSP :	Crossover, EQ, phase and time optimisation
Protection :	Comprehensive protection and clip free limiting + clip indicator
Feedback Suppression :	Auto ranging 12-frequency auto notch anti-feedback
Other :	2x channel gain, logo on/off
AC Power :	~100V-240V 50/60Hz
AC Power Consumption :	100W (1/8th Power)

### Speaker

HF Driver :	1" LaVoce DF10 compression driver
LF Driver :	12" HH LF-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
Logo :	Illuminating with on/off switch
Monitor Angle :	35°
Unit dimensions (mm) (HWD) :	570x358x350
Monitor depth (mm) (MD) :	398 (See drawings)
Unit weight (Kg) :	16.3
Carton dimensions (mm) (HWD) :	610x420x420
Packed weight (Kg) :	18.8

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

1 Measured in Full space (FH) conditions  
2 Calculated maximum SPL based on rated power handling  
3 AES standard, pink noise with 6 dB crest factor, free air.

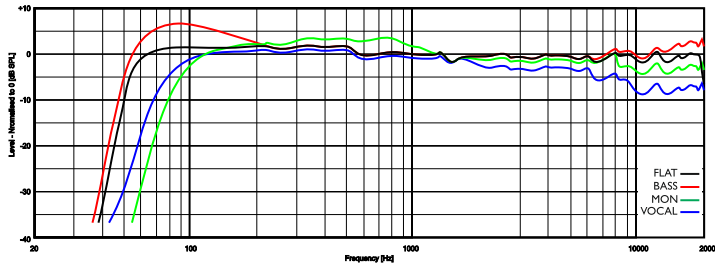


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## SPEC SHEET

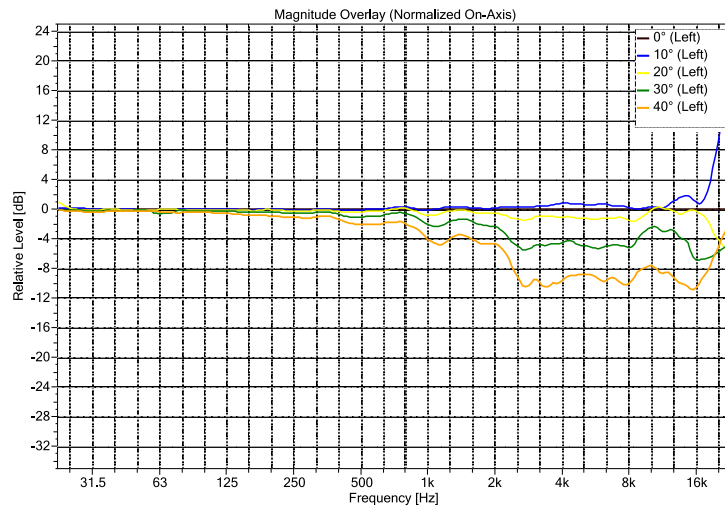
### FREQUENCY RESPONSE

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



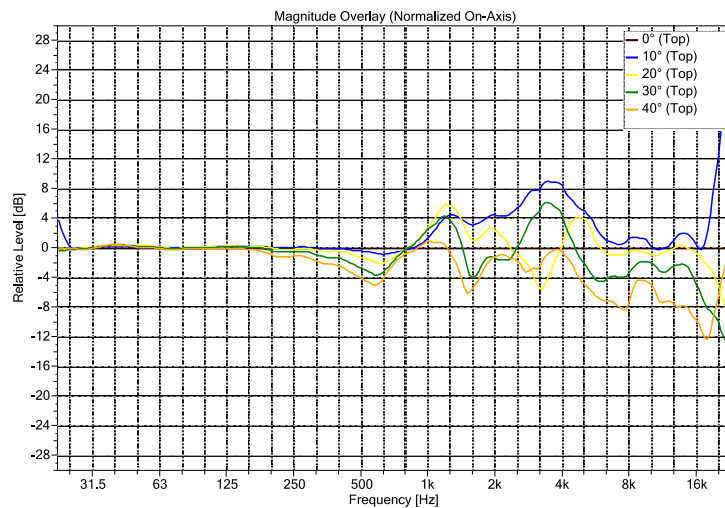
### HORIZONTAL OFF-AXIS RESPONSE

Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 20000Hz (1/3rd Octave) Mer: 0° Par: 0°



### VERTICAL OFF-AXIS RESPONSE

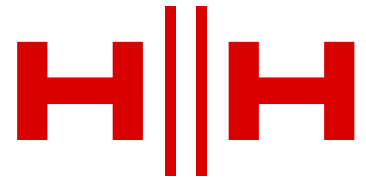
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 20000Hz (1/3rd Octave) Mer: 0° Par: 0°



# TNE-1201

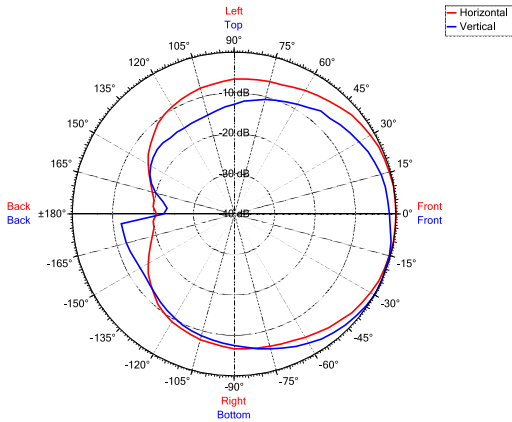
## 12" Two-Way Powered Loudspeaker

# T E S S E N

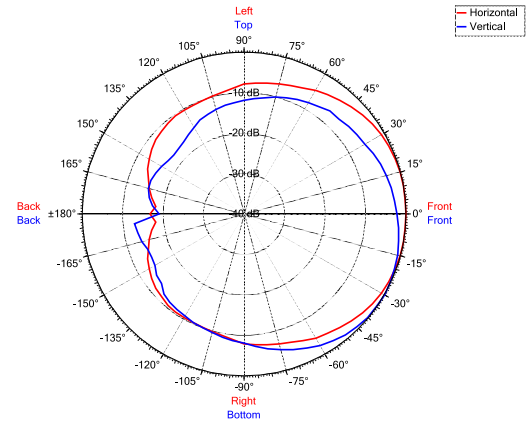


### SPEC SHEET

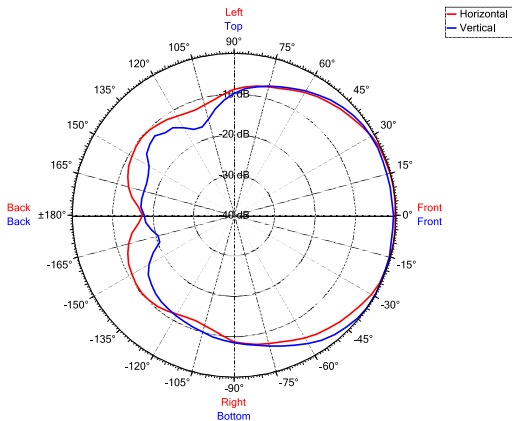
Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 500Hz (1/3rd Octave)



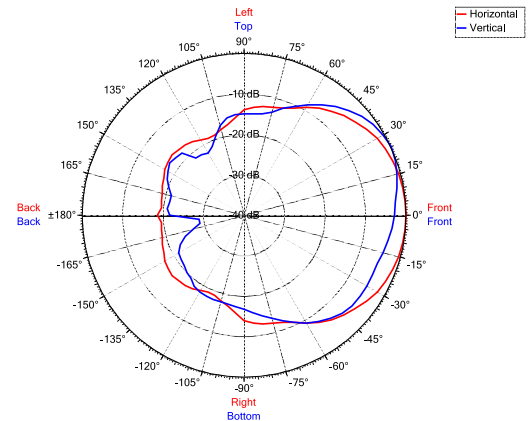
Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 630Hz (1/3rd Octave)



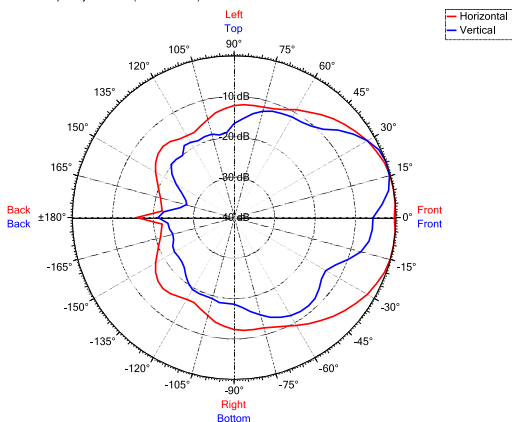
Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 800Hz (1/3rd Octave)



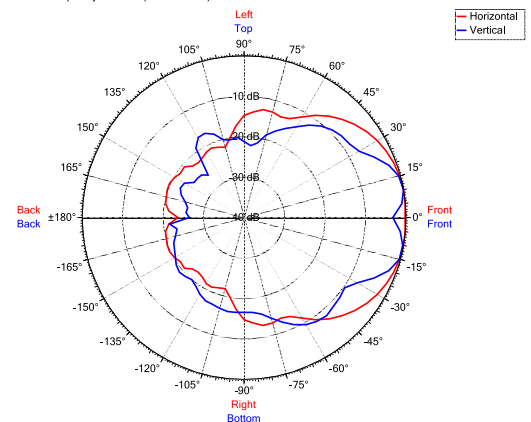
Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 1000Hz (1/3rd Octave)



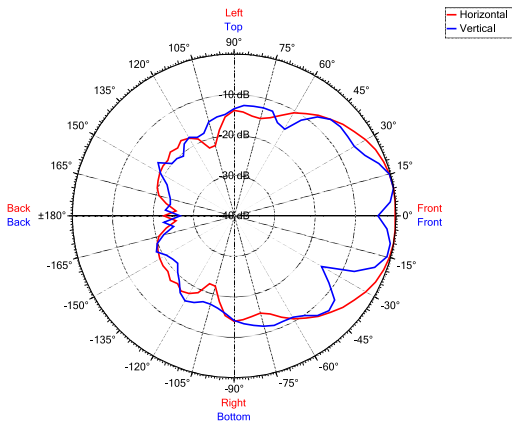
Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 1250Hz (1/3rd Octave)



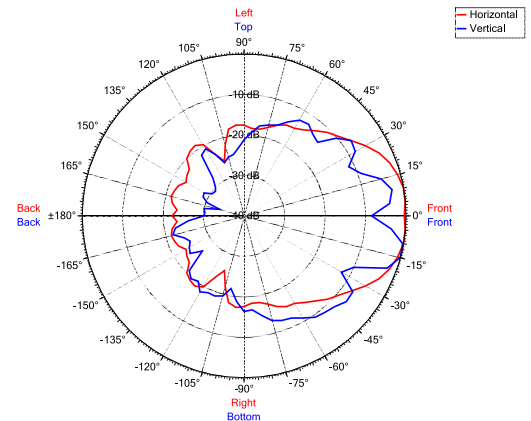
Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 1600Hz (1/3rd Octave)



Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 2000Hz (1/3rd Octave)



Data Show: TNE-1201 (HH Electronics) Resolution: High Res, Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 2500Hz (1/3rd Octave)

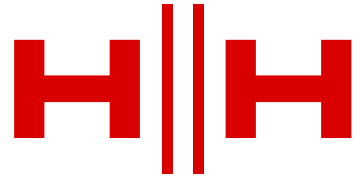


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# TNE-1201

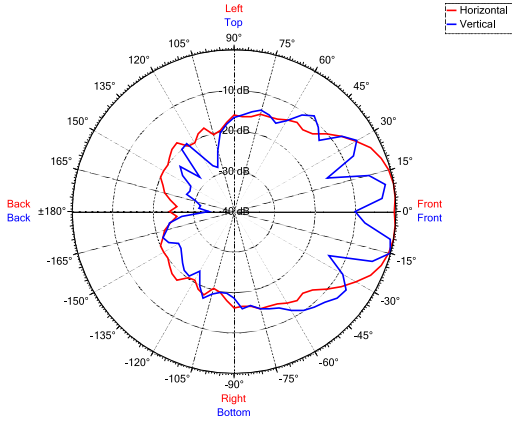
## 12" Two-Way Powered Loudspeaker

# T E S S E N

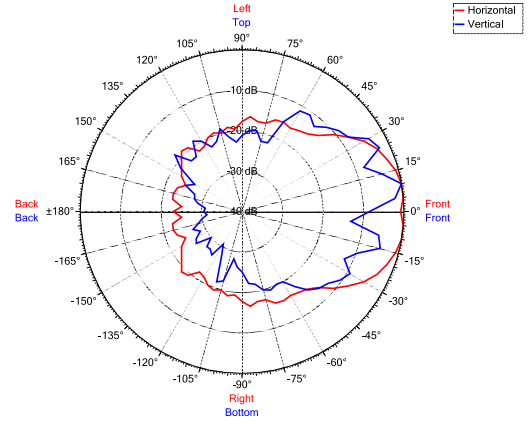


### SPEC SHEET

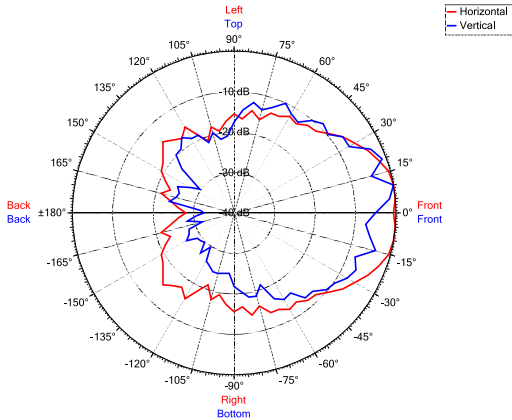
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 3150Hz (1/3rd Octave)



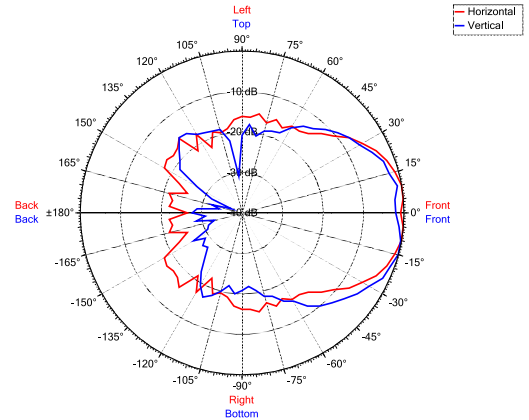
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 4000Hz (1/3rd Octave)



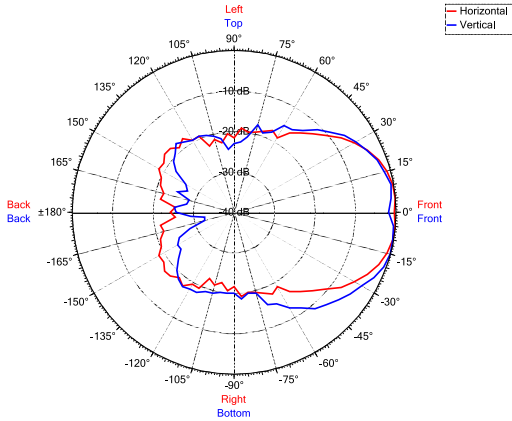
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 5000Hz (1/3rd Octave)



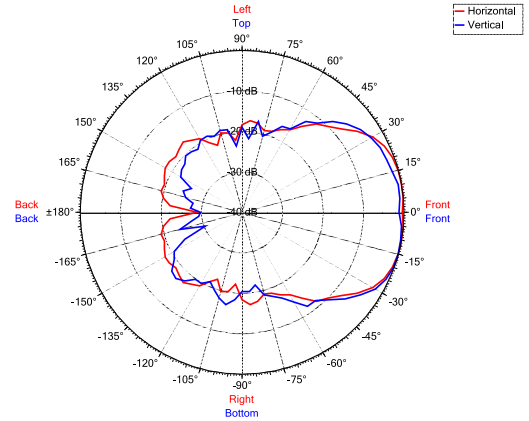
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 6300Hz (1/3rd Octave)



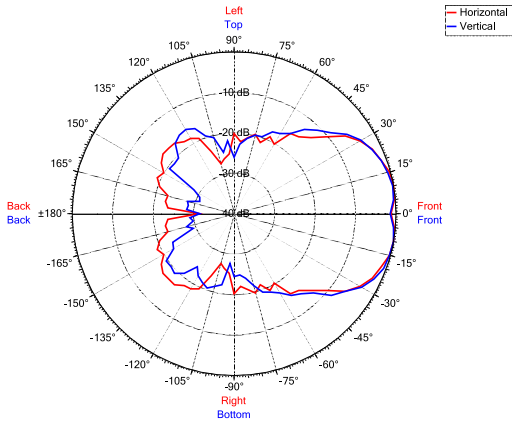
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 8000Hz (1/3rd Octave)



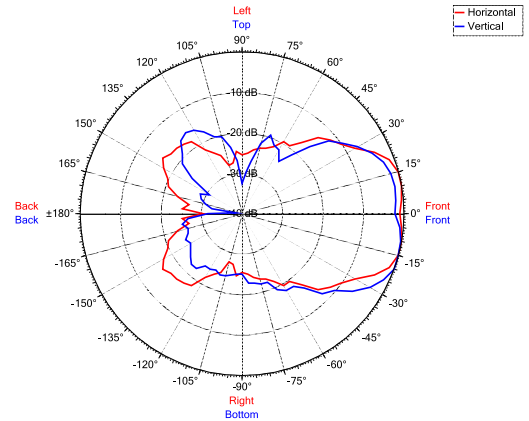
Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 10000Hz (1/3rd Octave)



Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 12500Hz (1/3rd Octave)



Data Shown: TNE-1201 (HH Electronics) Resolution: High Res. Mer 30° Par 5° Symmetry: Horizontal  
 Display Parameters: Frequency: 16000Hz (1/3rd Octave)

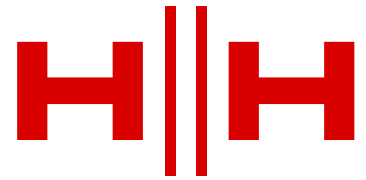


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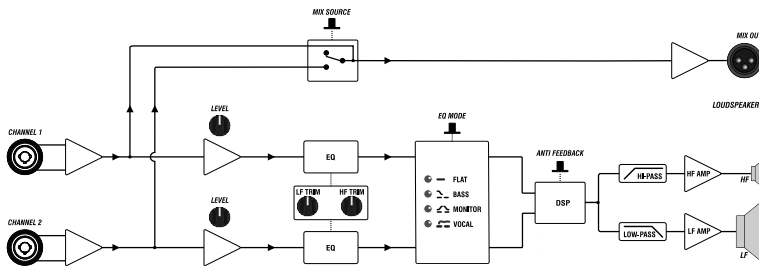
12" Two-Way Powered Loudspeaker

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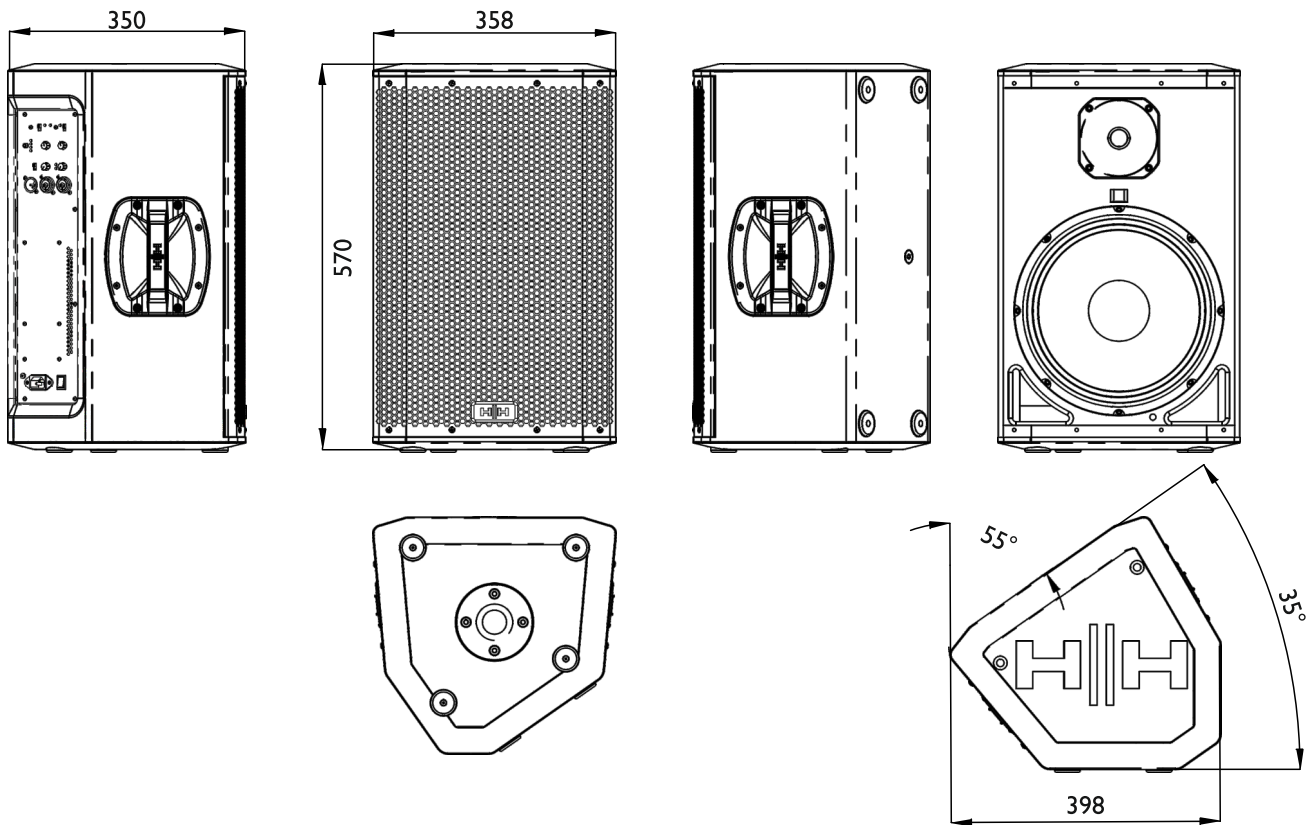


## SPEC SHEET

### BLOCK DIAGRAM



### DIMENSIONS (in mm)



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



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