

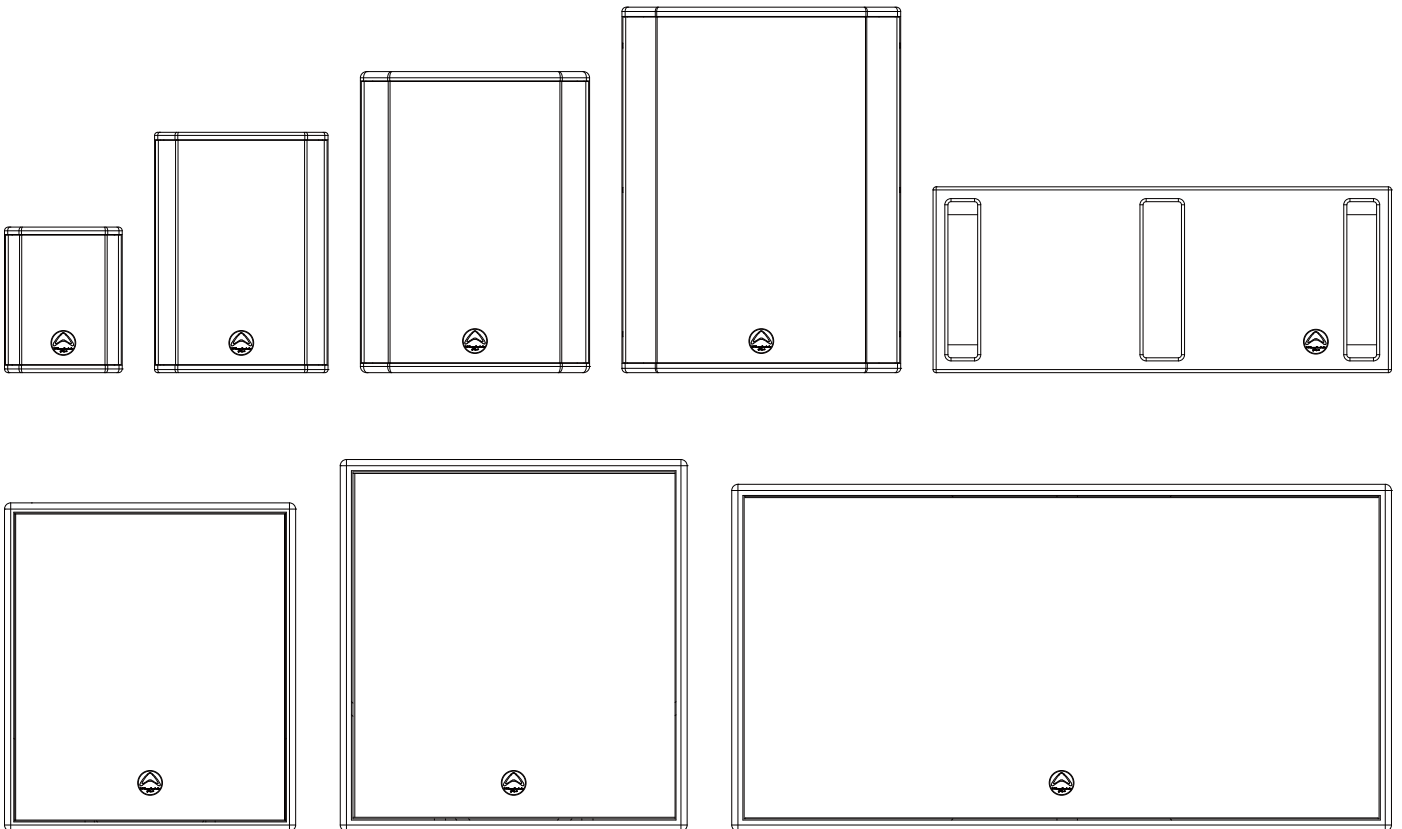
# GPL Series

## General Purpose Loudspeakers

### USER MANUAL

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GPL-5 & 5T    GPL-8 & 8T    GPL-12 & 12HQ    GPL-15 & 15HQ  
GPL-28B    GPL-115B    GPL-118B    GPL-218B



*Wharfedale  
Pro*

[www.wharfedalepro.com](http://www.wharfedalepro.com)

# Important Warnings & Safety Instructions

- Read these instructions
- Follow these instructions
- Keep these instructions for future reference
- Heed all warnings
- Do not use this system near moisture or water
- Clean only with a dry cloth
- Install in accordance with these Wharfedale Pro operating instructions
- Follow the manufacturer's operating instructions for all peripheral devices such as amplifiers and processors
- Do not install near heat sources such as radiators, heat registers, stoves or any other apparatus that produces heat (for example lighting systems and amplifiers)
- Use only accessories specified or supplied by Wharfedale Pro
- Do not use shielded microphone/instrument cables to connect amplifiers and speakers, use only approved speaker cables with proper connectors
- Use caution with placement and operation of this speaker system, permanent hearing damage can be caused by prolonged exposure to excessive sound pressure levels
- Refer all servicing to qualified professionals. Servicing is required when the loudspeaker has been damaged in any way, such as impact damage, liquid ingress or foreign object damage. In addition the loudspeaker should be referred to qualified service personnel if there is any kind of malfunction.



- Rigging, suspending and mounting should only be attempted by experience qualified professionals. Incorrect usage can result in damage to equipment and property, injury and even death. Under no circumstances should you attempt to rig, suspend or mount these speakers unless you are fully qualified and certified to do so by relevant local, state and national authorities. If you are not properly qualified or do not know of pertinent regulations consult qualified personnel for advice. Consult a structural engineer before suspending a speaker system and ensure that the total weight of your system can be held by the truss or mounting surface.



- Inspect all mounting hardware before rigging, suspending or mounting. If there is any damage or distortion to any mounting hardware do not proceed until any damaged hardware is repaired or replaced.

## **UNPACKING**

- All Wharfedale Pro products are fully checked before leaving our factory. After unpacking please inspect the cabinets for any physical damage Please retain the shipping carton if possible and internal packing material incase the unit ever needs to be returned. Please check as soon as possible that the unit is functioning. In the event of any damage please contact your dealer immediately so that a written claim for damage can be made.

# ABOUT GPL Series

GPL Series has a more natural and prominent sound than standard point source systems.

Compact cabinets and coaxial drive unit designs make the GPL series perfect for theatre, enterprise, bars, nightclubs and live music applications.

12 models, including bass-reflex and a band-pass subwoofer, available in either black or white finishes means that the GPL series is serious for fixed installation projects where audio quality matters.

A unique characteristic of the GPL series is that all full range models feature an original design waveguide horn. This allows the high frequency range to be addressed directly to the audience and reduces undesired reflections. The "HQ" models of the series are equipped with a turntable constant directivity horn for even more accurate asymmetrical coverage.

- Compact birch plywood construction
- Coaxial design by Beyma drivers
- Multiple mounting options (Yoke brackets included)
- Conical or 80° x 40° (HQ models) dispersion options
- Band-pass or Bass Reflex subwoofers
- speakON compatible and barrier strip connections
- FIR Pre-set libraries available for download



# Product Features

## GPL-5 & 5T

- 70° conical coverage
- 200 W AES (Continuous)
- 400 W Programme
- 800 W Peak
- 1.5" LF Voice coil
- 125 dB Max SPL @ 1 m
- 70 V / 100 V 'T' model also available

## GPL-12

- 60° conical coverage
- 450 W AES (Continuous)
- 900 W Programme
- 1800 W Peak
- 4.0" LF Voice coil
- 131 dB Max SPL @ 1 m

## GPL-15

- 60° conical coverage
- 500 W AES (Continuous)
- 1000 W Programme
- 2000 W Peak
- 4.0" LF Voice coil
- 132 dB Max SPL @ 1 m

## GPL-28B

- Discrete and Parallel modes
- 400 W AES (Continuous) Parallel
- 800 W Programme - Parallel
- 1600 W Peak - Parallel
- 2.5" LF Voice coils
- 135 dB Max SPL @ 1 m

## GPL-118B

- 1000 W AES (Continuous)
- 2000 W Programme
- 4000 W Peak
- 4.0" LF Voice coil
- 140 dB Max SPL @ 1 m

## GPL-8 & 8T

- 70° conical coverage
- 350 W AES (Continuous)
- 700 W Programme
- 1400 W Peak
- 2.5" LF Voice coil
- 128 dB Max SPL @ 1 m
- 70 V / 100 V 'T' model also available

## GPL-12HQ

- 80° x 40° constant directivity waveguide
- 450 W AES (Continuous)
- 900 W Programme
- 1800 W Peak
- 4.0" LF Voice coil
- 131 dB Max SPL @ 1 m

## GPL-15HQ

- 80° x 40° constant directivity waveguide
- 500 W AES (Continuous)
- 1000 W Programme
- 2000 W Peak
- 4.0" LF Voice coil
- 132 dB Max SPL @ 1 m

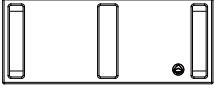

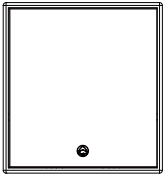
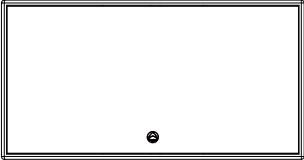

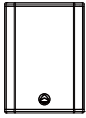
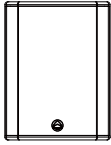
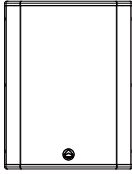
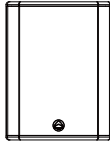
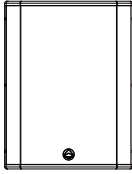
## GPL-115B

- 700 W AES (Continuous)
- 1400 W Programme
- 2800 W Peak
- 4.0" LF Voice coil
- 139 dB Max SPL @ 1 m

## GPL-218B

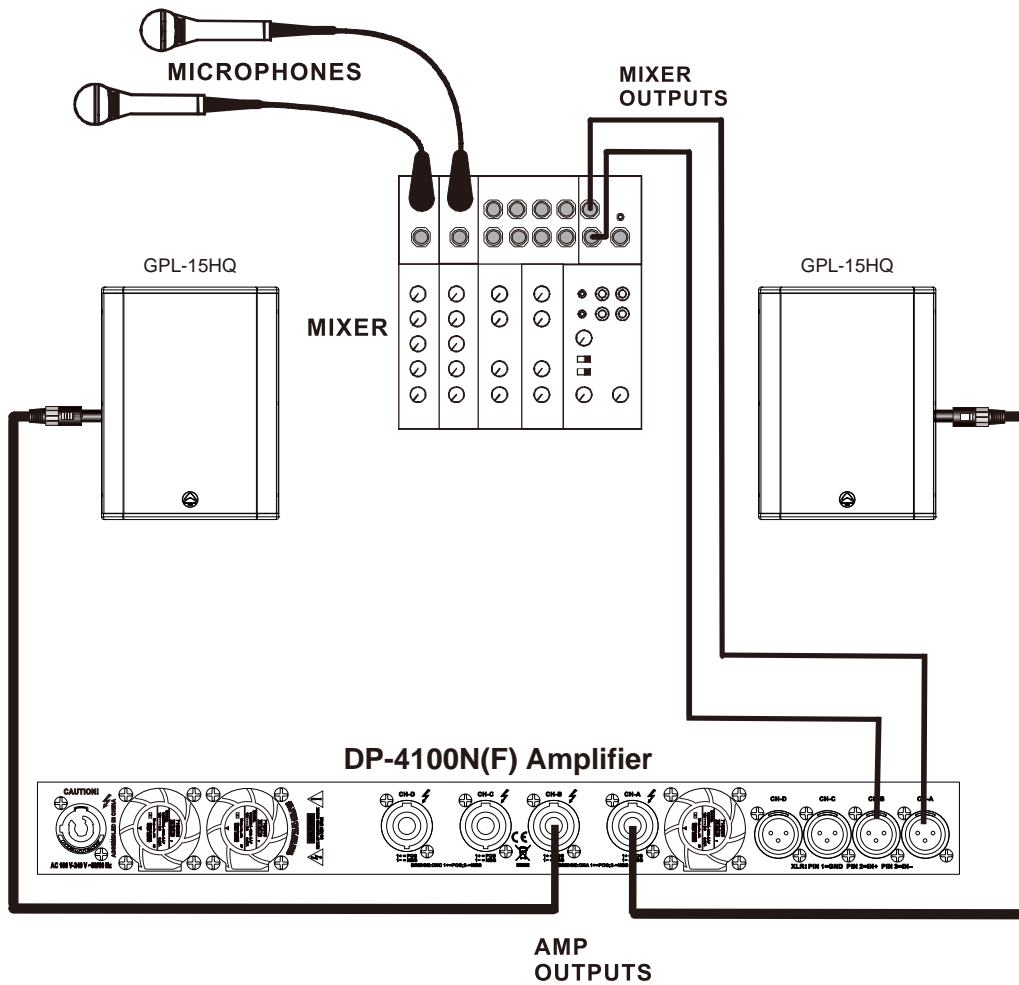
- 2000 W AES (Continuous)
- 4000 W Programme
- 8000 W Peak
- 4.0" LF Voice coils
- 148 dB Max SPL @ 1 m

# GPL Series Recommended systems

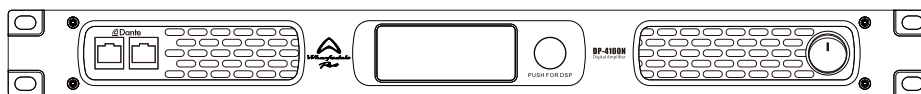
 <p>GPL-28B</p>	2 x	1				
 <p>GPL-115B</p>	Up to 4 x	1	1		1	
 <p>GPL-118B</p>	Up to 4 x	2 x	1	1	1	1
 <p>GPL-218B</p>	Up to 8 x	Up to 4 x	2 x	2 x	2 x	2 x
	 <p>GPL-5</p>	 <p>GPL-8</p>	 <p>GPL-12</p>	 <p>GPL-15</p>	 <p>GPL-12HQ</p>	 <p>GPL-15HQ</p>

# GPL Series sound system example

## GPL-15/15HQ sound system example

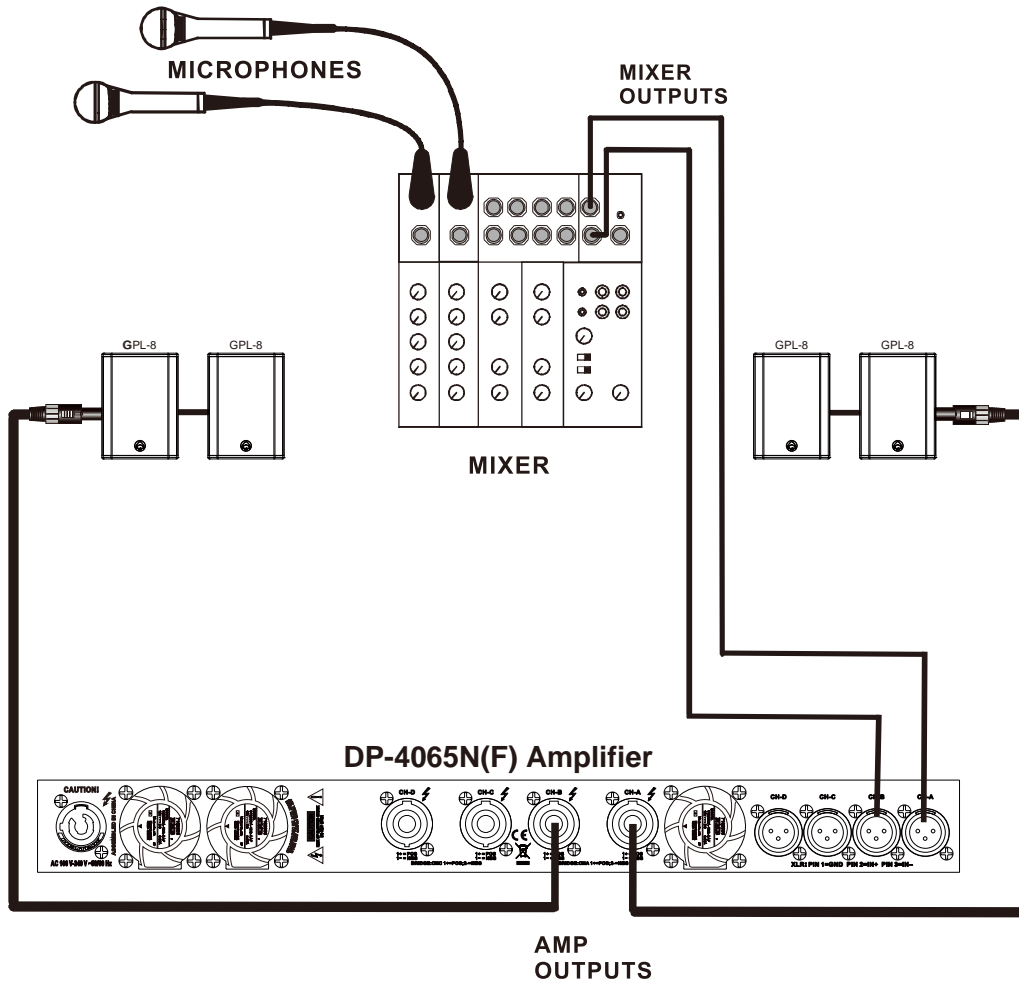


### DP-4100N(F) Amplifier

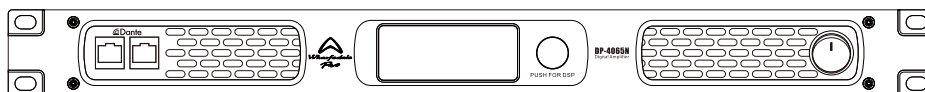


# GPL Series sound system example

## Parallel Connection of Two GPL-8 Two Way Enclosures

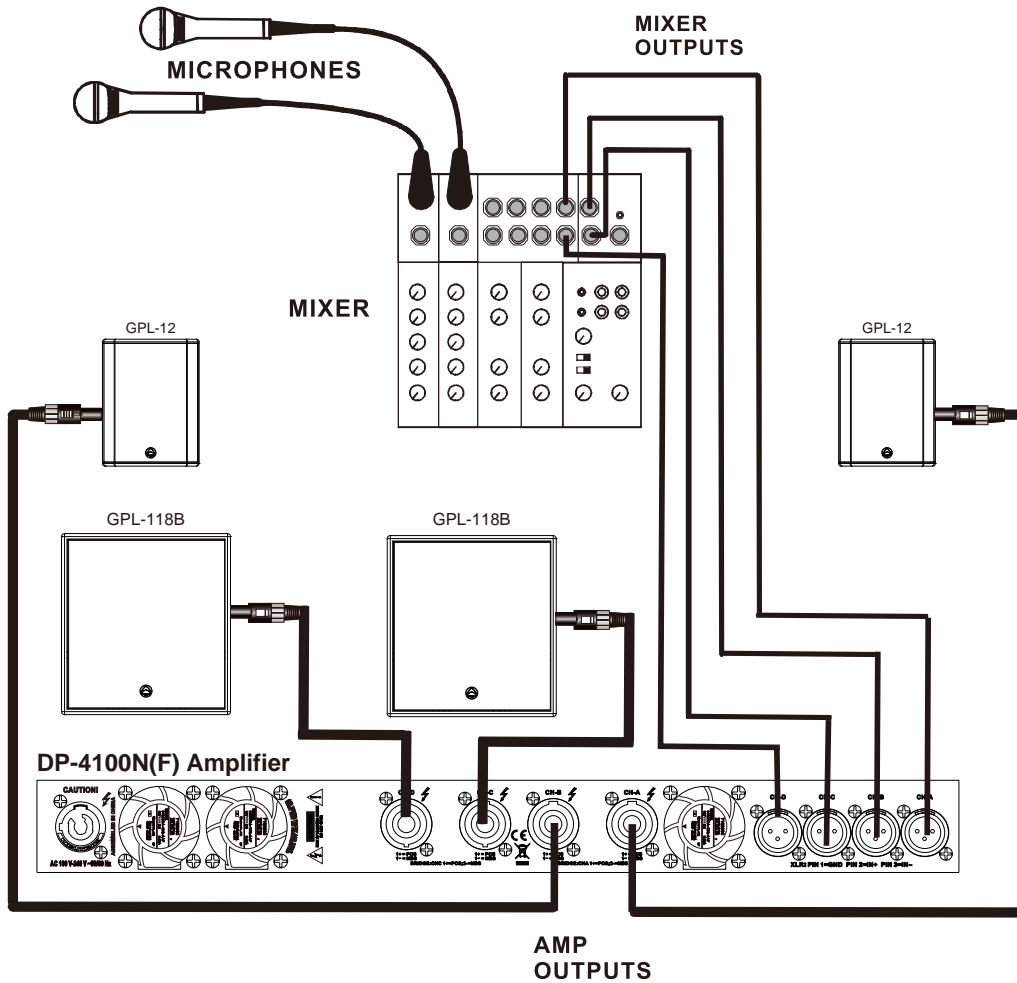


### DP-4065N(F) Amplifier

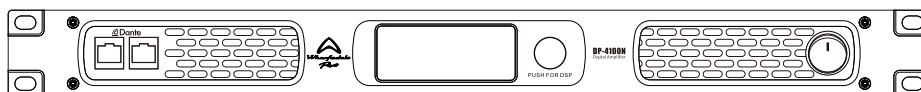


# GPL Series sound system example

## Two GPL-118B and Two GPL-12 sound system example



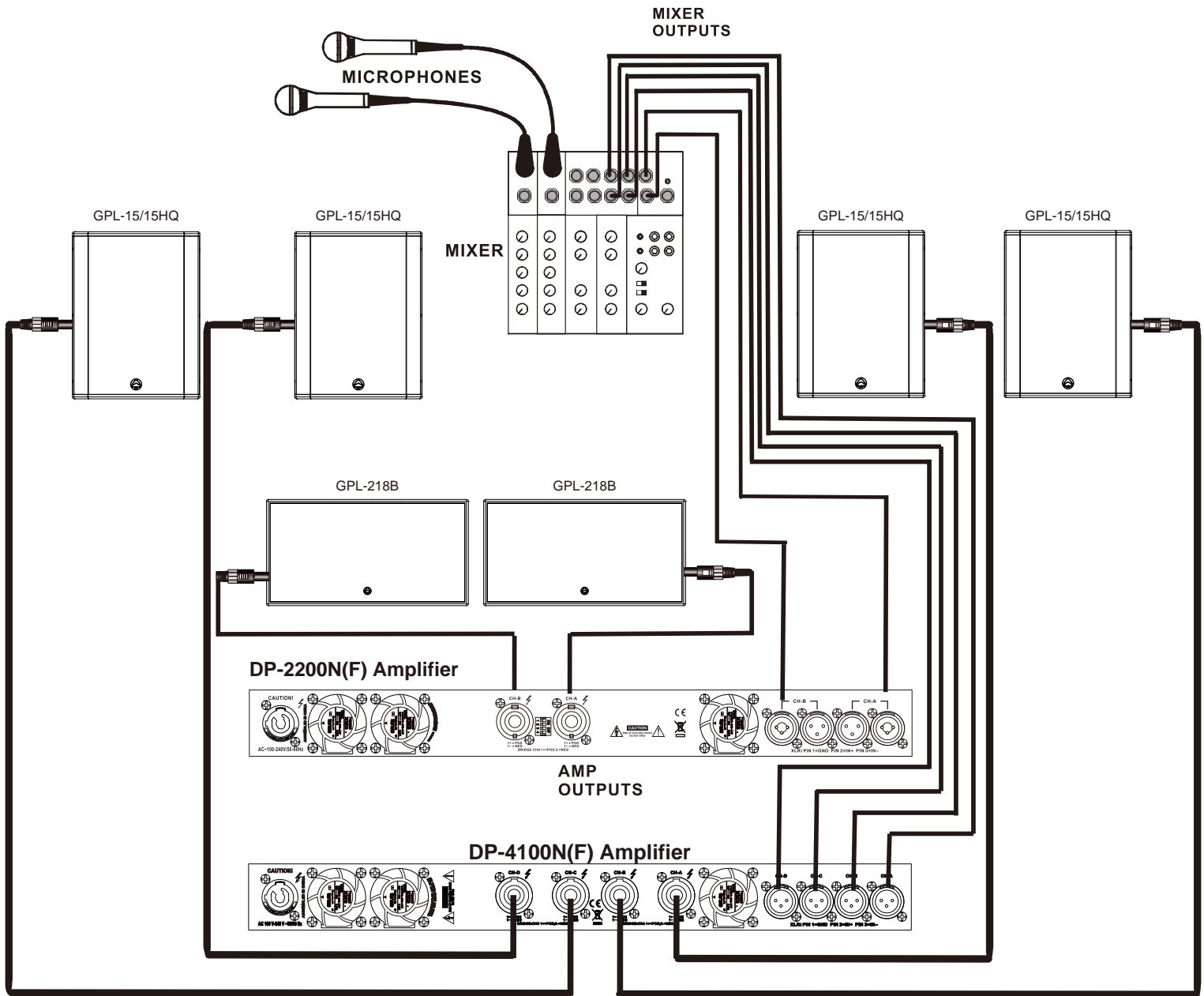
### DP-4100N(F) Amplifier





# GPL Series sound system example

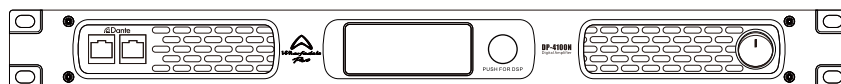
## GPL-15/15HQ and GPL-218B sound system example



DP-2200N(F) Amplifier

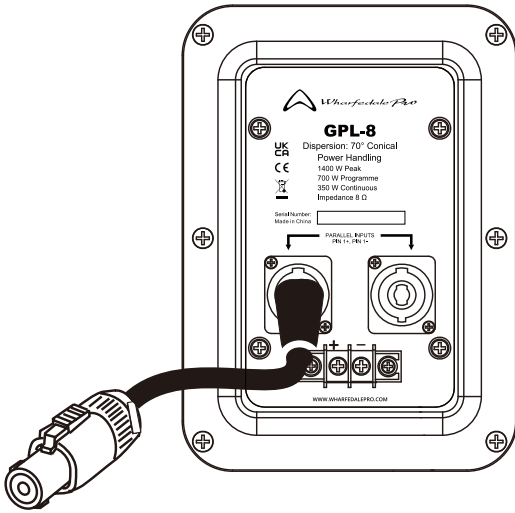


DP-4100N(F) Amplifier

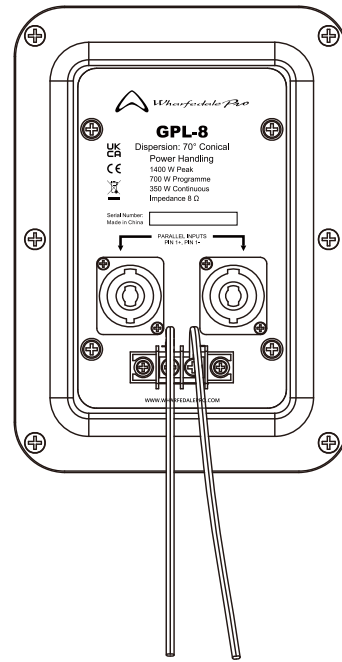


# GPL Series Connections

Connecting the GPL Series to your system is easy. The rear panel includes two (2) parallel NL4 and a barrier strip connector. Run your speaker wires from your amplifier to the speaker; you can use either input connector. Use the correct gauge of stranded insulated speaker cable according to the power handling ability of your GPL Series cabinet. It is always advisable to use heavier gauge (lower number) cables on longer runs. Be sure to connect your speakers in proper polarity (what many refer to erroneously, as phase). This means that in normal operation, connect one end of the same wire to the + or Red terminal on the amplifier and the other end to the +1 or '++' terminal of the barrier strip on the speaker. The other wire is connected to the -1 pin on the NL4 or the '-' (negative) terminal on the barrier strip.



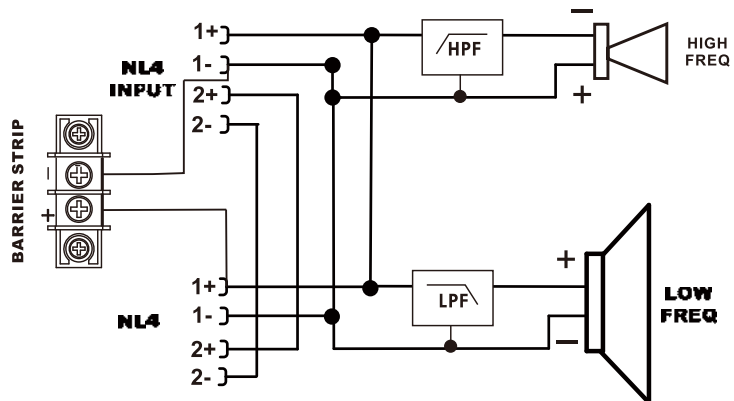
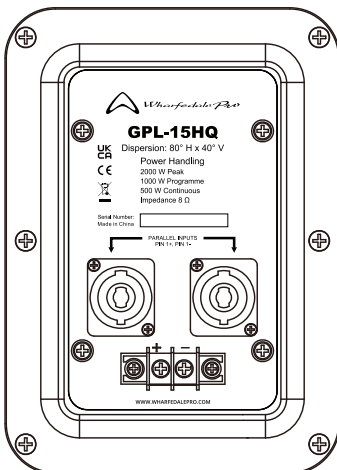
speakON compatible connection



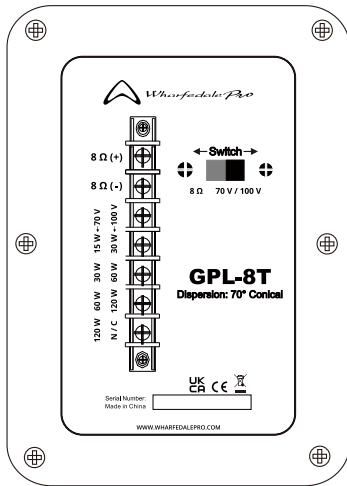
Barrier strip connection

## GPL-5/GPL-8/GPL-12/GPL-15 GPL-12HQ/GPL-15HQ

### Block Diagram



# GPL Series Connections



## GPL-5T and GPL-8T

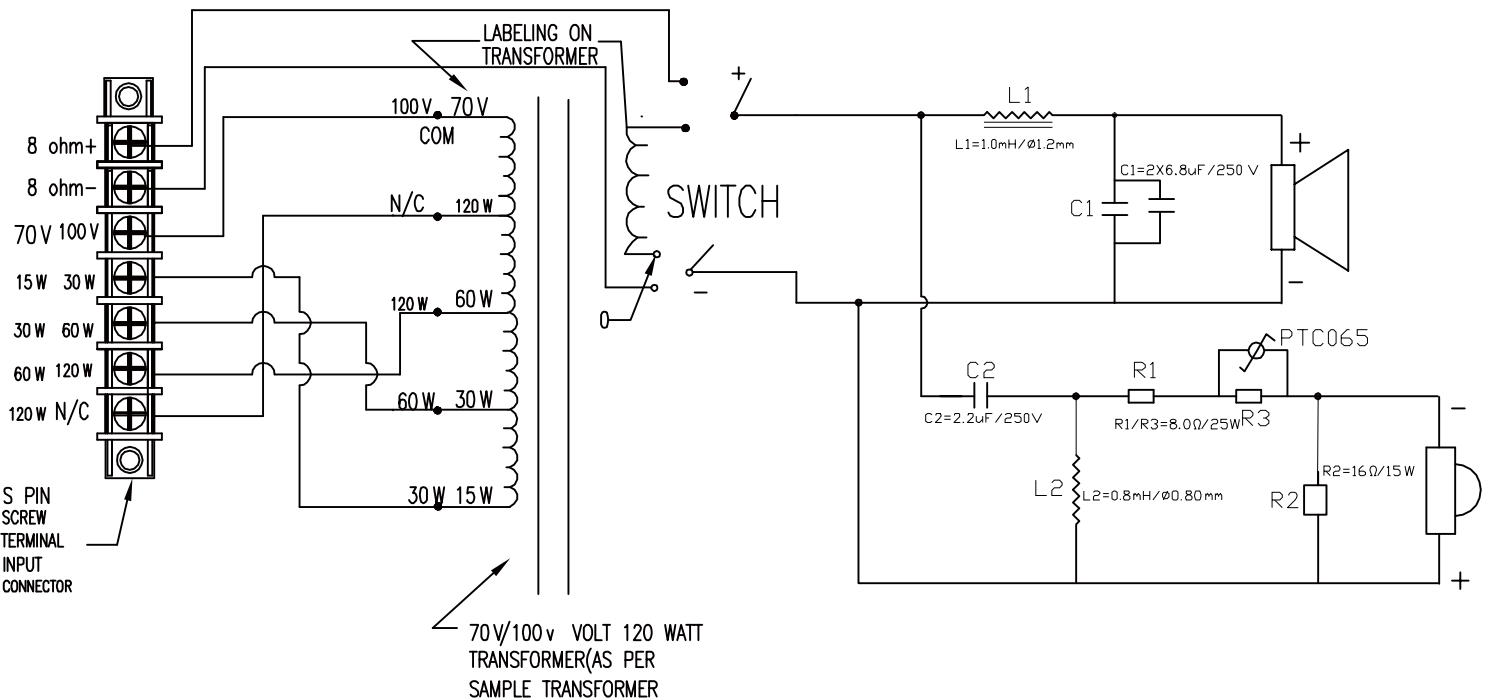
For Hi-Z systems the transformer models are tapped as follows...

### GPL-5T

70 V : 120 / 60 / 30 / 15 W  
 100 V : 120 / 60 / 30 W

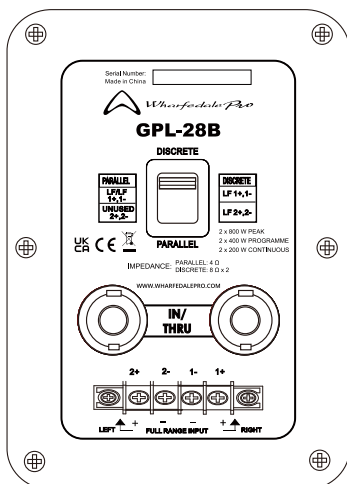
### GPL-8T

70 V : 200 / 100 / 50 / 25 W  
 100 V : 200 / 100 / 50 W

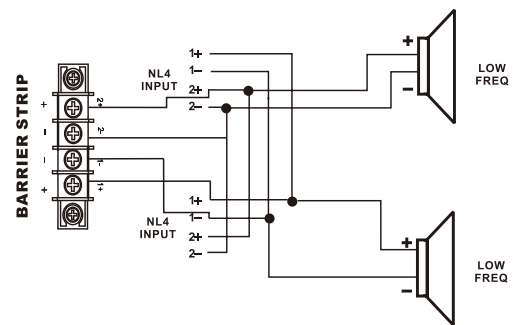


## GPL-28B

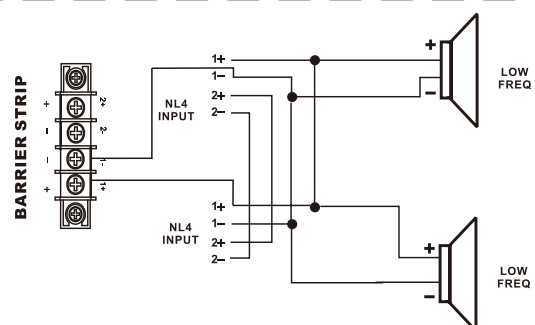
### Block Diagram



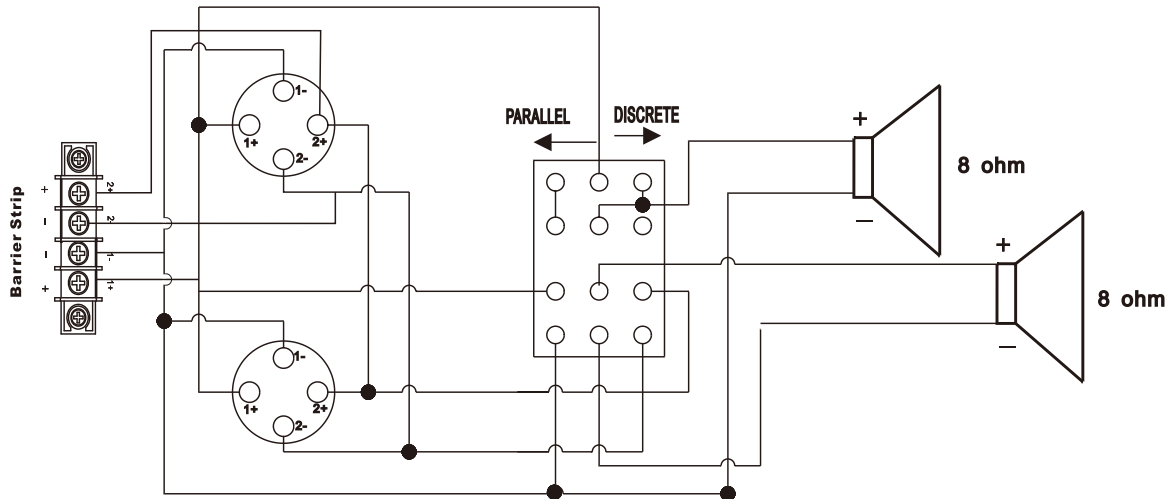
### DISCRETE MODE



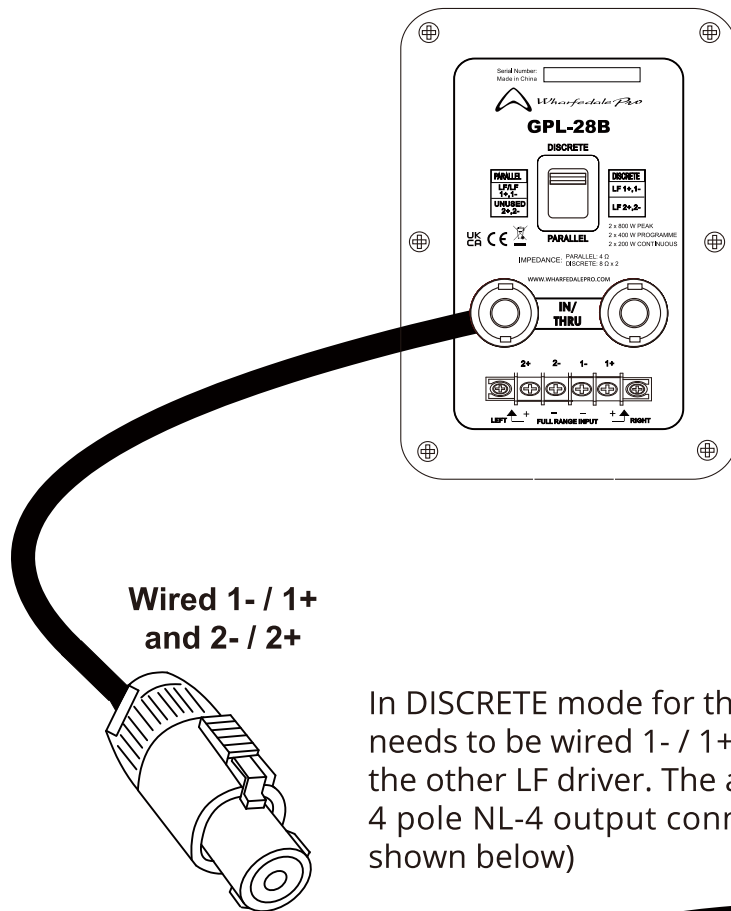
### PARALLEL MODE



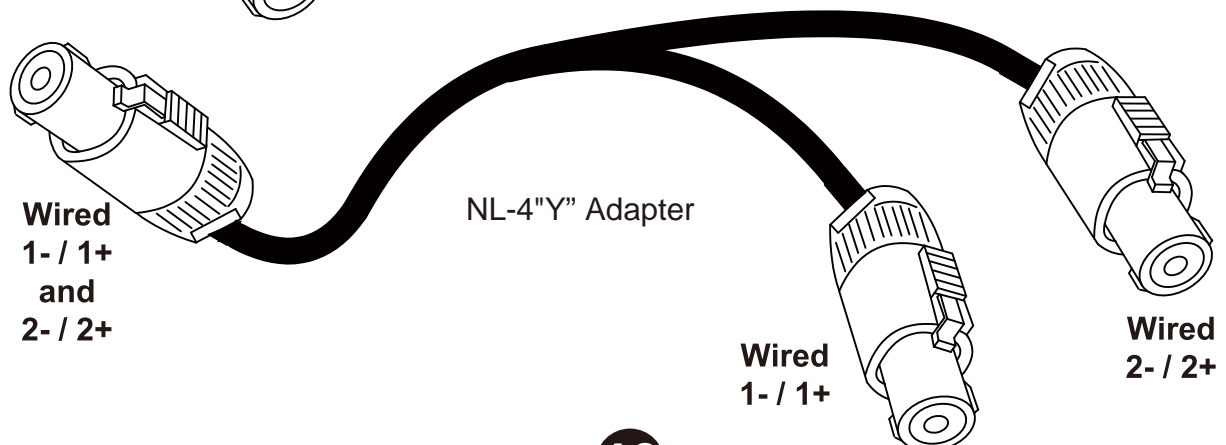
# GPL Series Connections



## GPL-28B Discrete Mode NL-4 Wiring



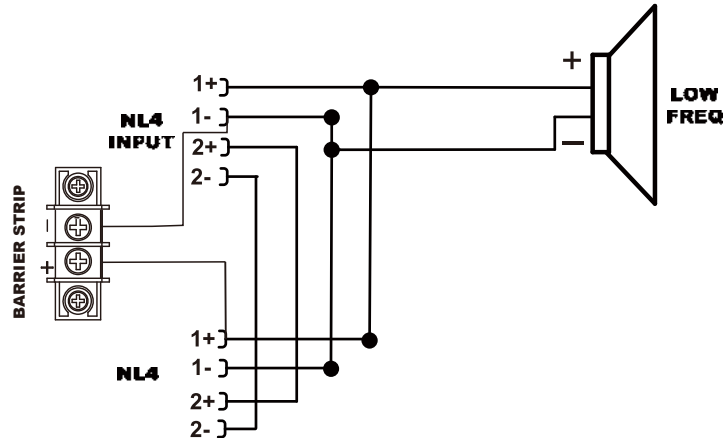
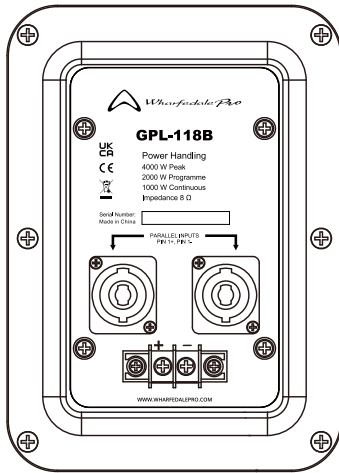
In DISCRETE mode for the GPL-28B. The NL-4 connector needs to be wired 1- / 1+ for one LF driver and 2- / 2+ for the other LF driver. The amplifier needs to have either a 4 pole NL-4 output connector or a NL-4 "Y" adapter (as shown below)



# GPL Series Connections

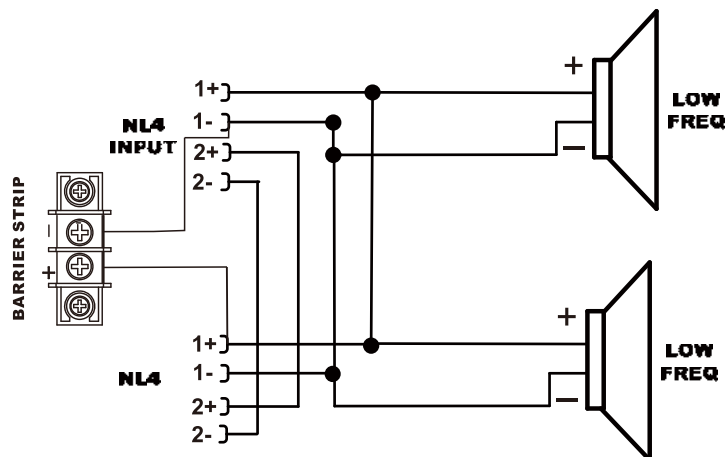
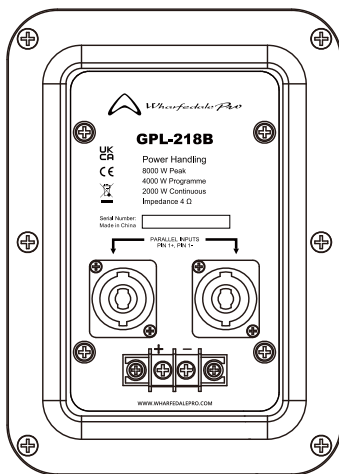
## GPL-115B/GPL-118B

### Block Diagram

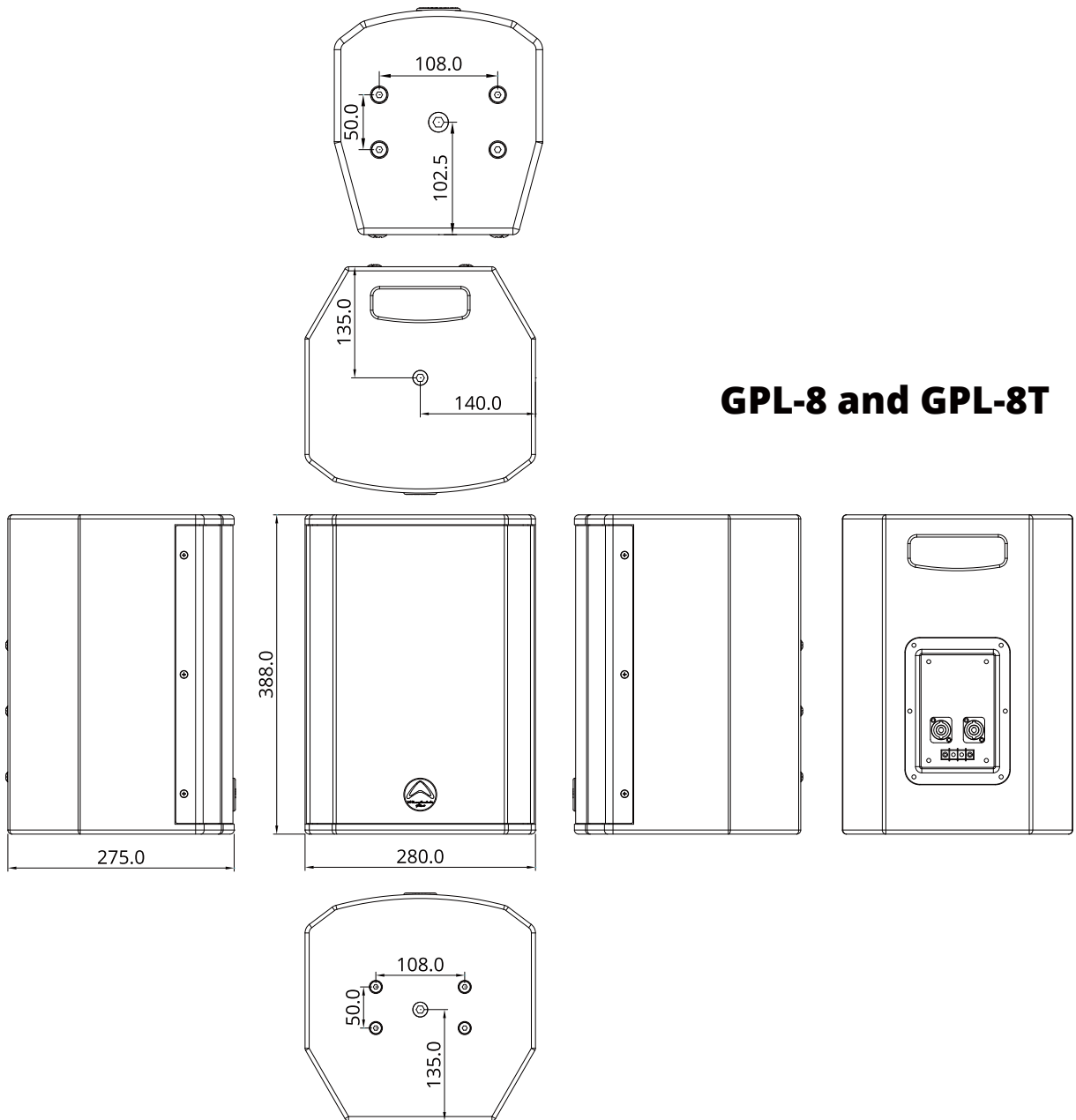
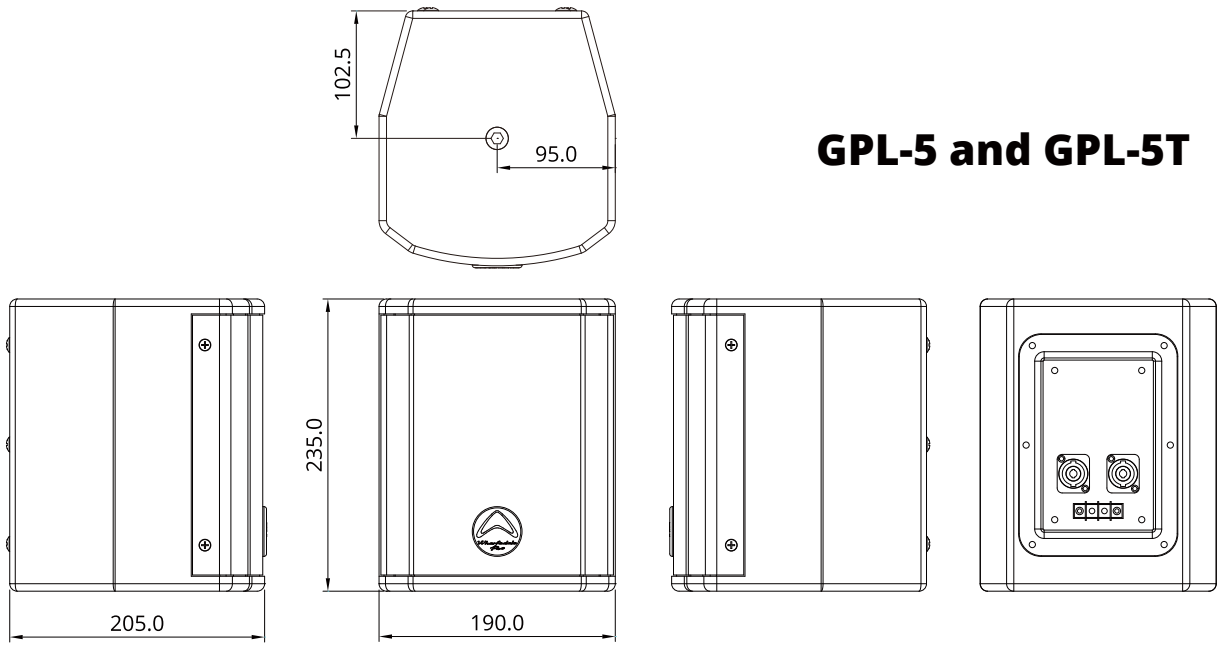


## GPL-218B

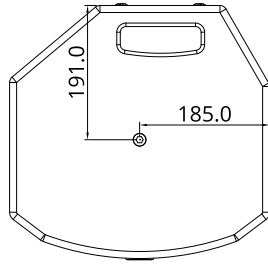
### Block Diagram



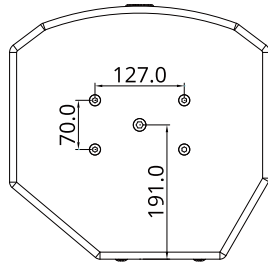
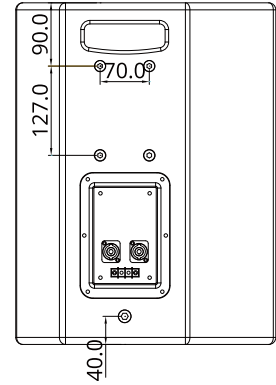
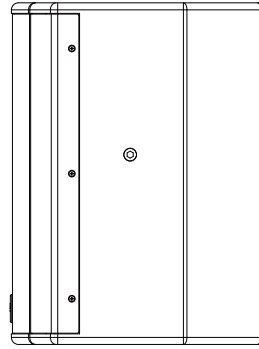
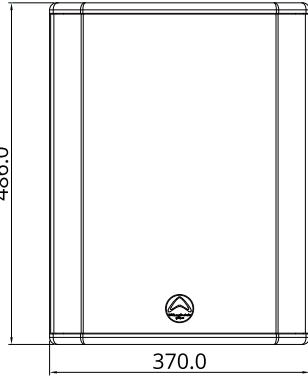
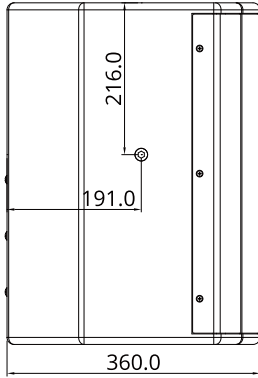
# Dimensional Drawings



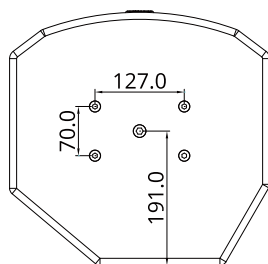
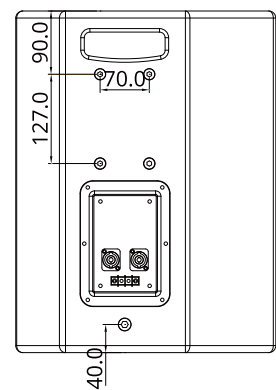
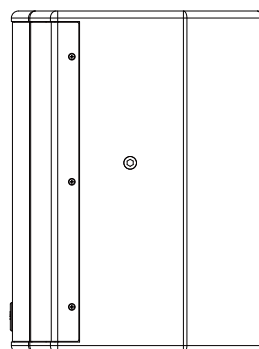
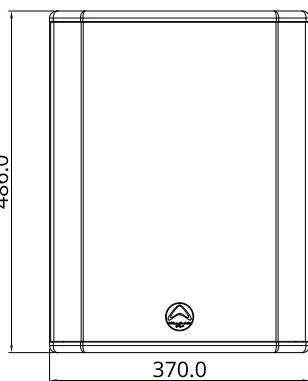
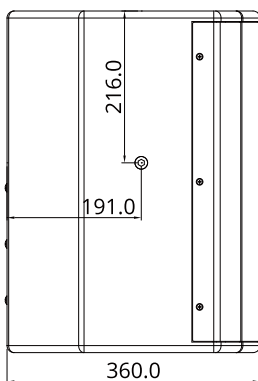
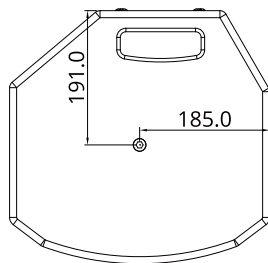
# Dimensional Drawings



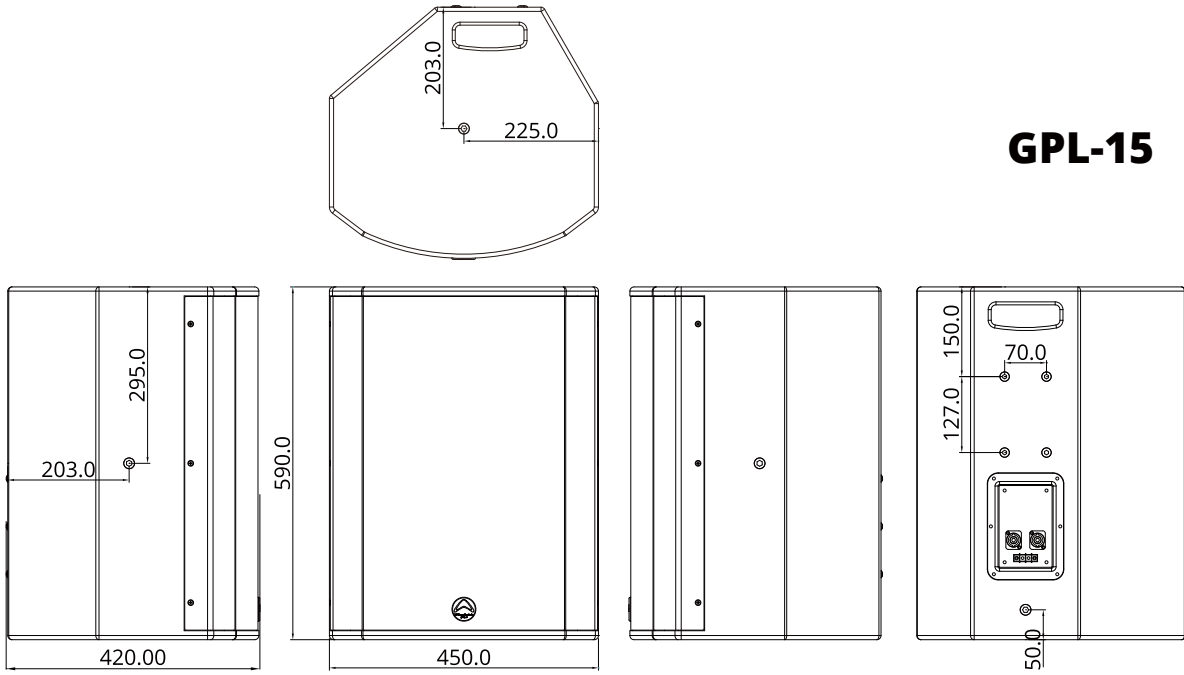
**GPL-12**



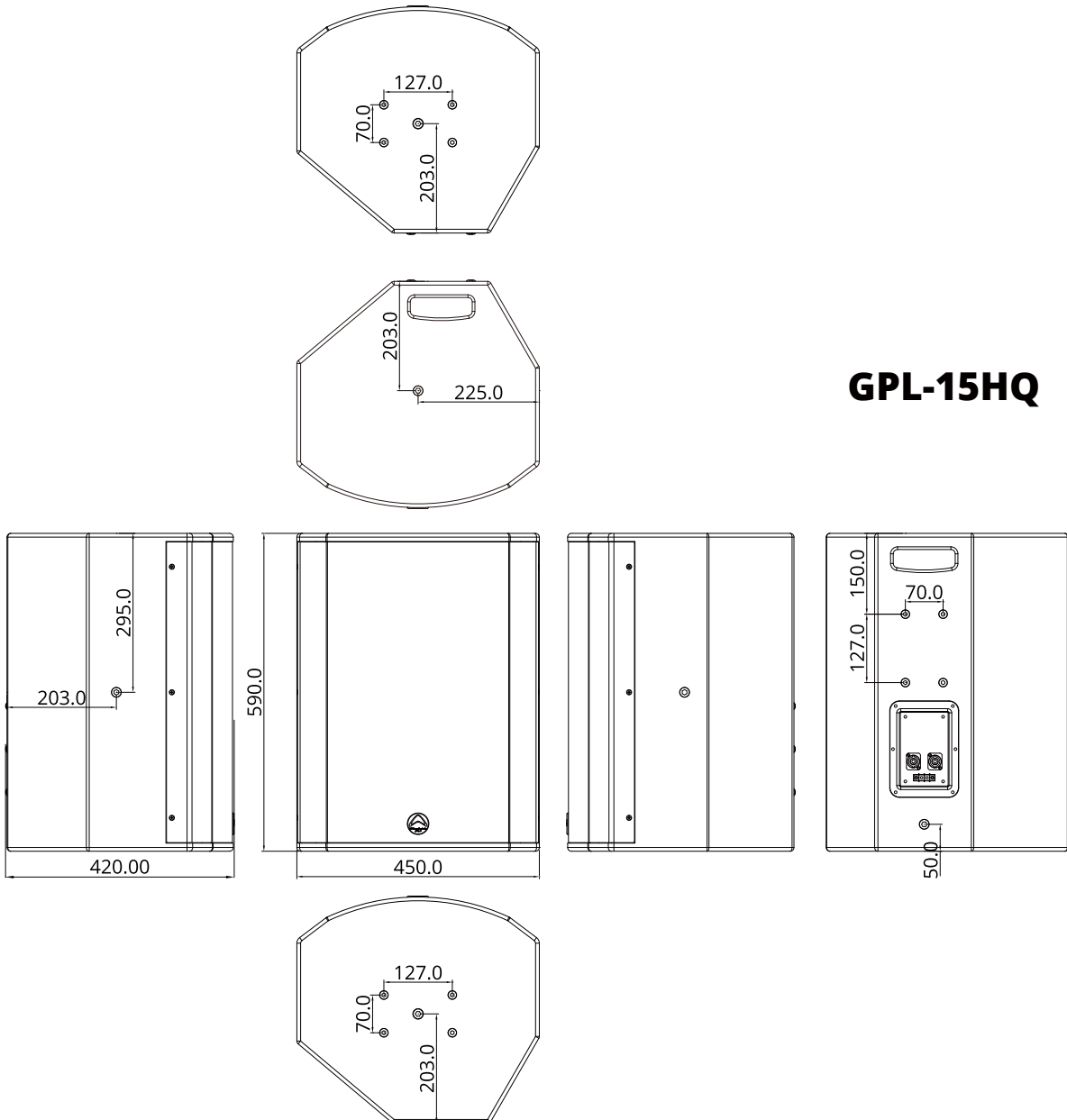
**GPL-12HQ**



# Dimensional Drawings



**GPL-15**

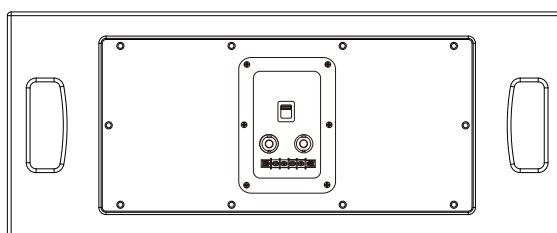
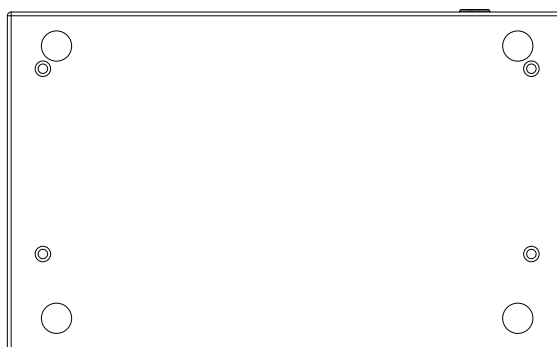
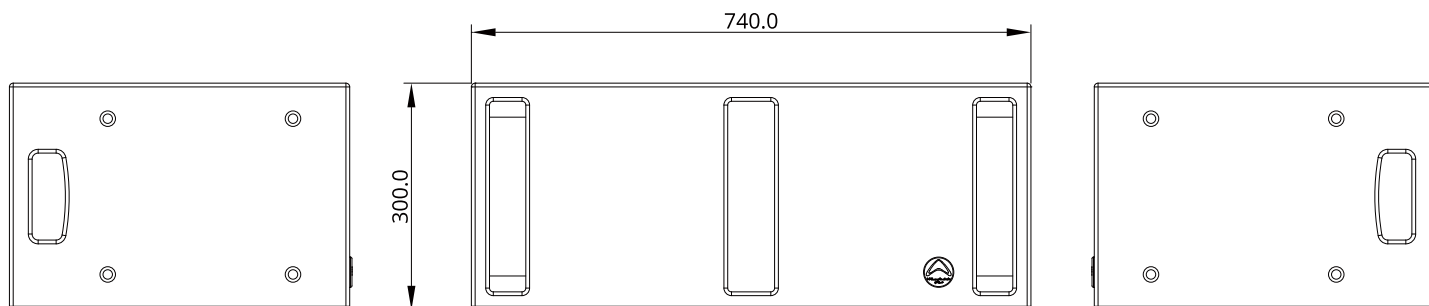
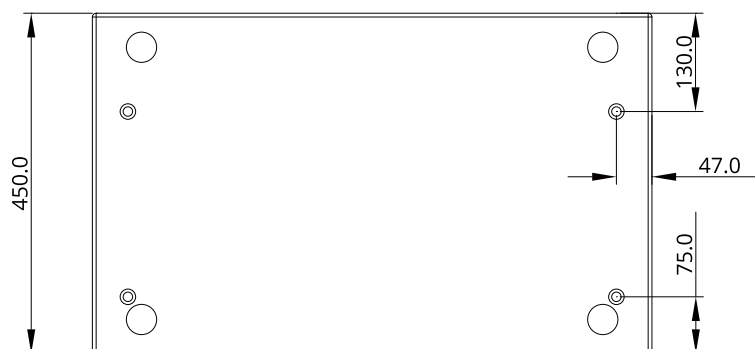


**GPL-15HQ**



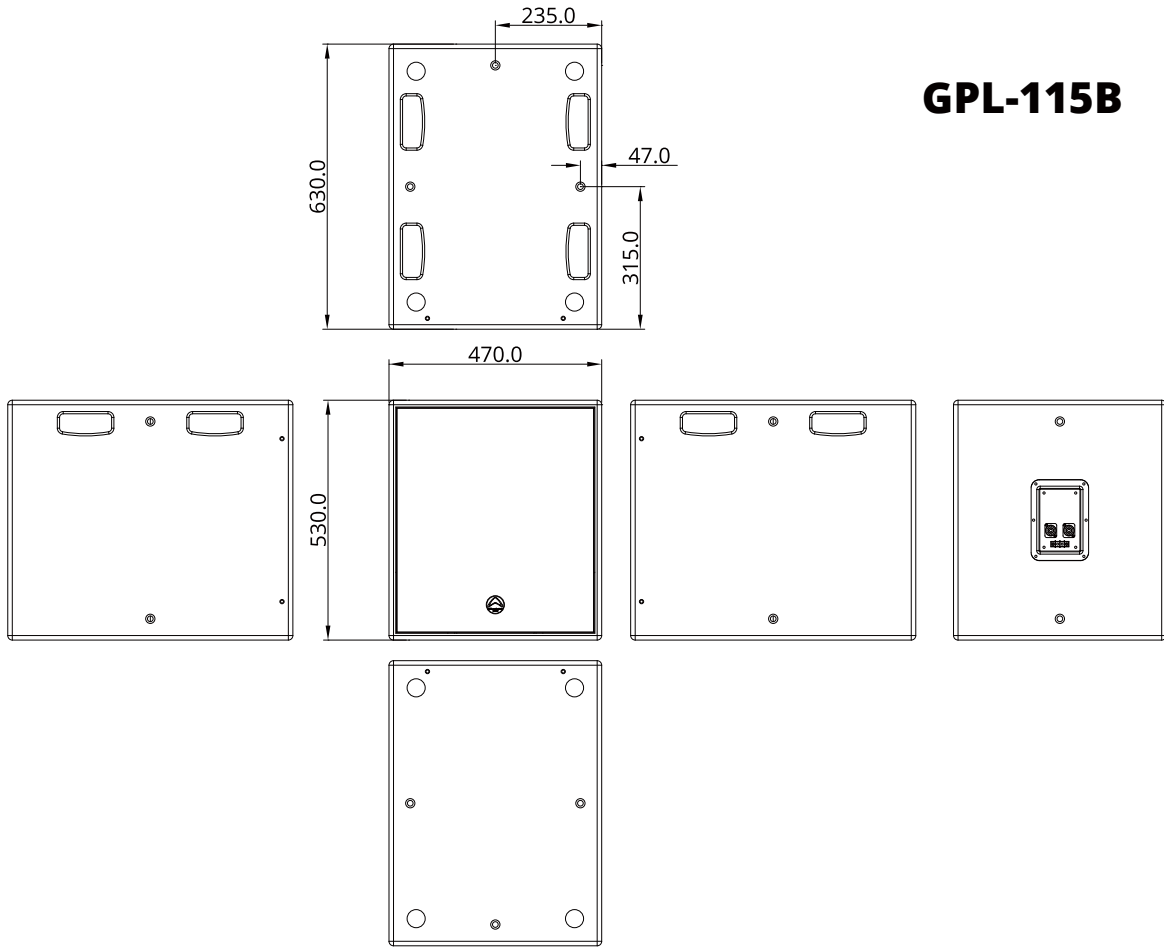
# Dimensional Drawings

**GPL-28B**

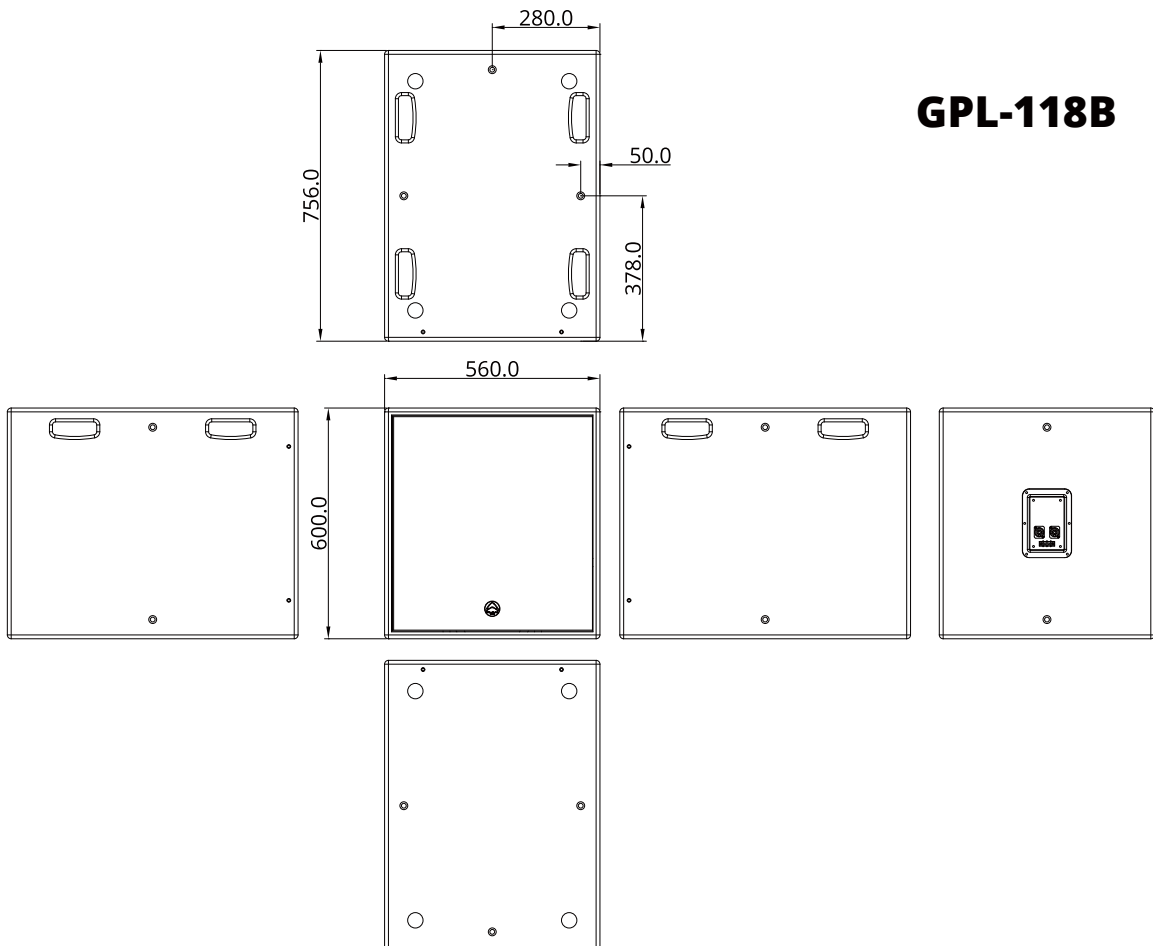


# Dimensional Drawings

## GPL-115B

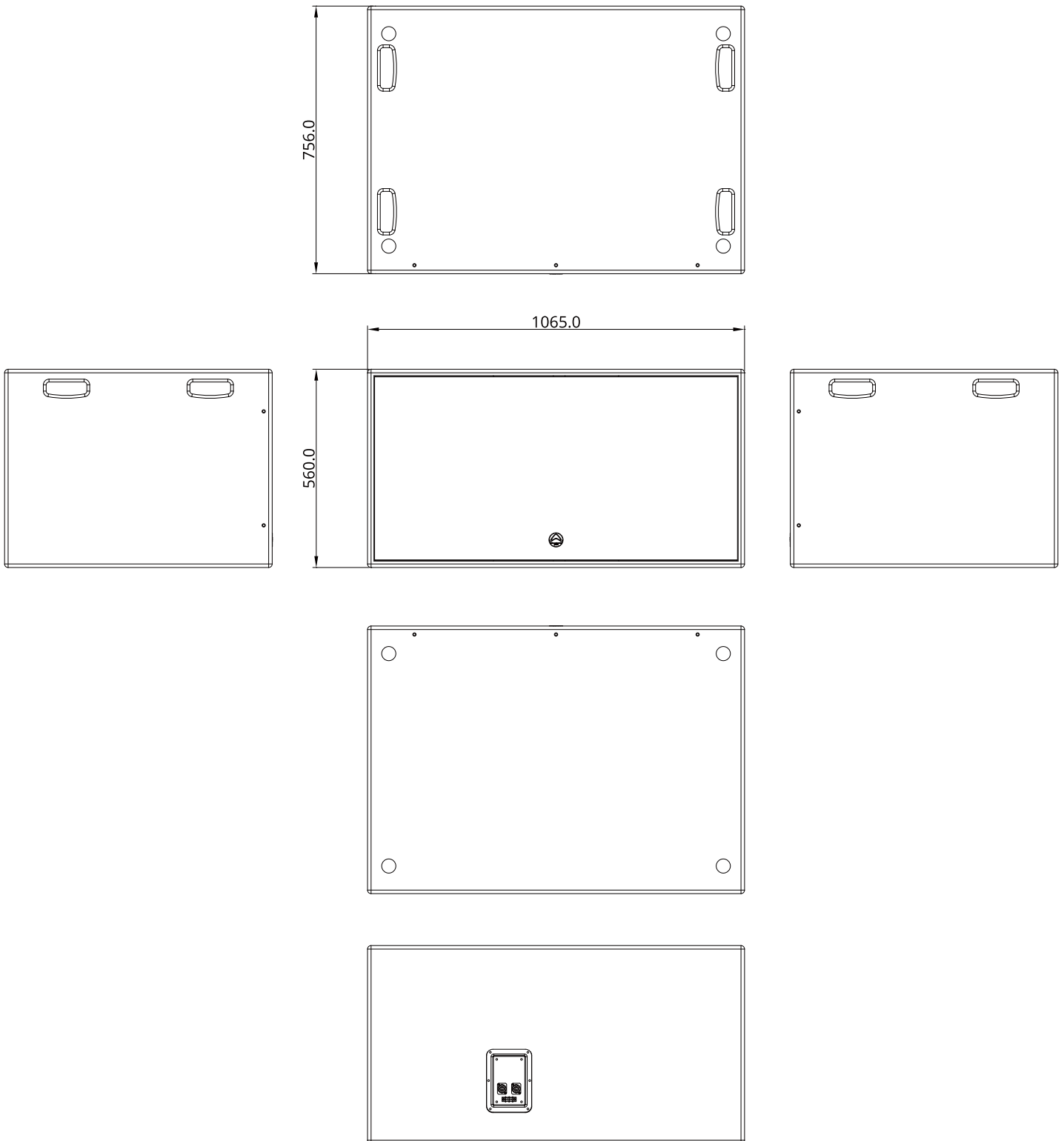


## GPL-118B



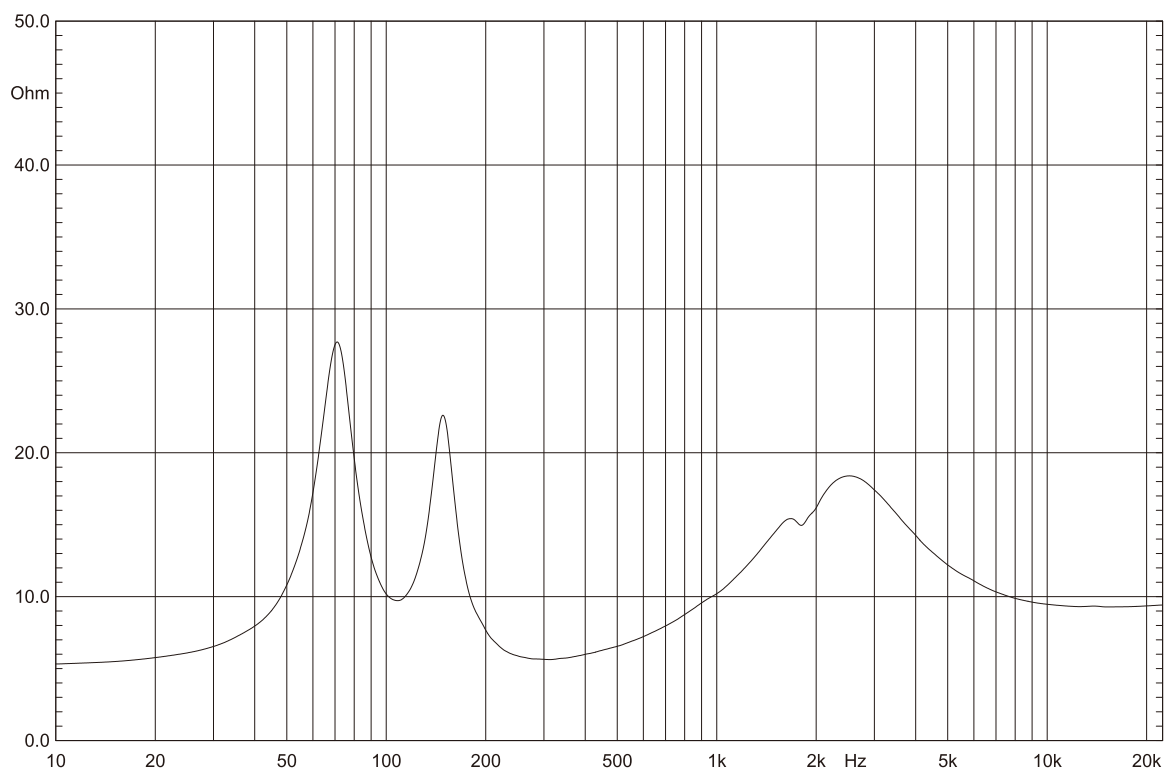
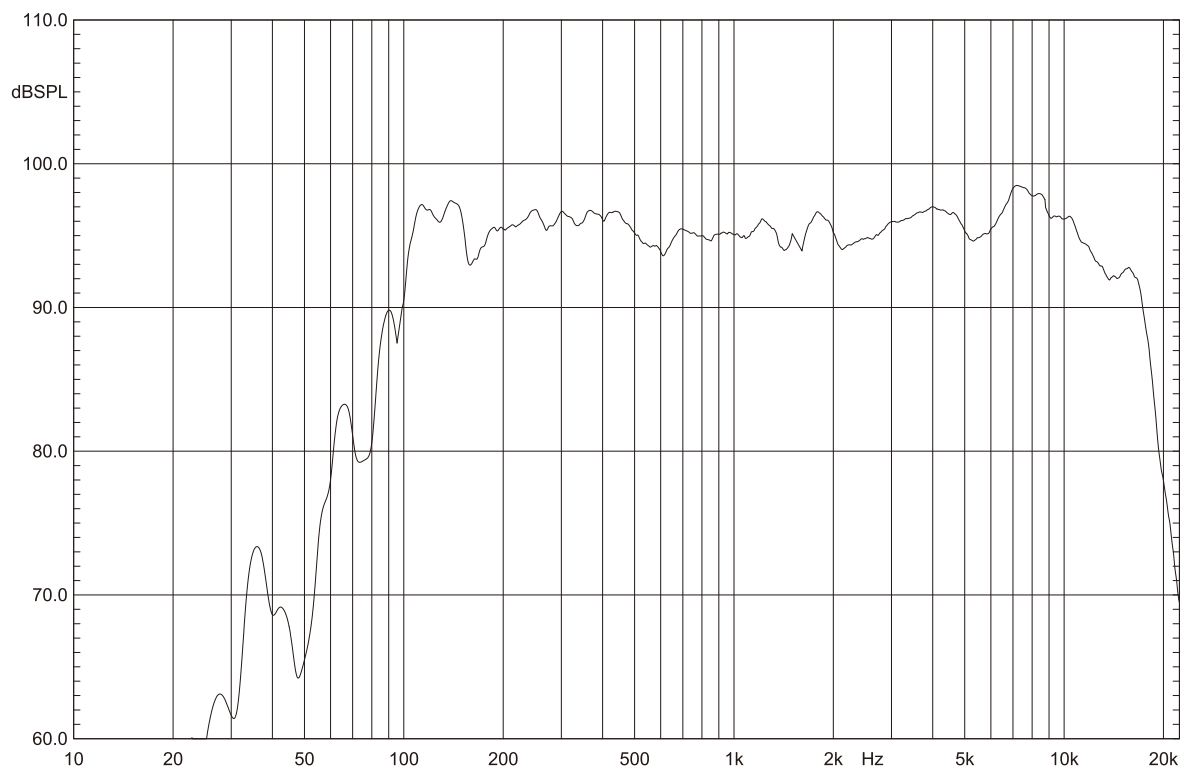
# Dimensional Drawings

**GPL-218B**



# GPL Series Response graphs

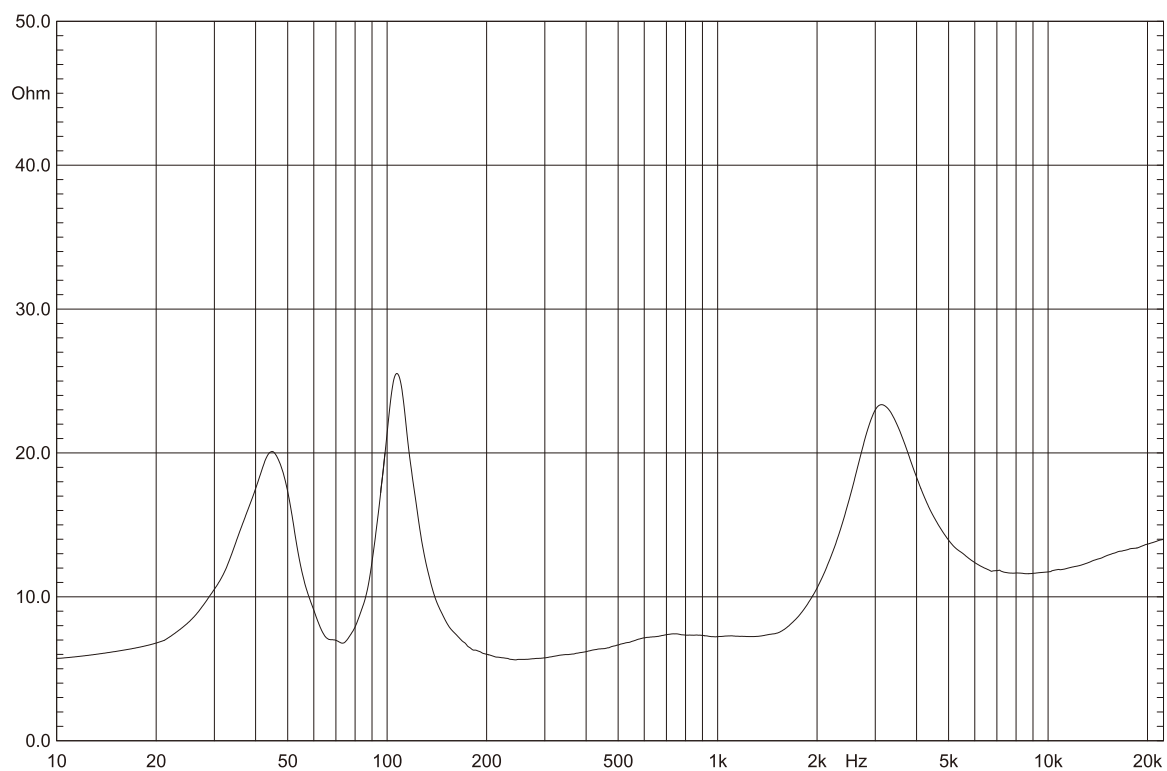
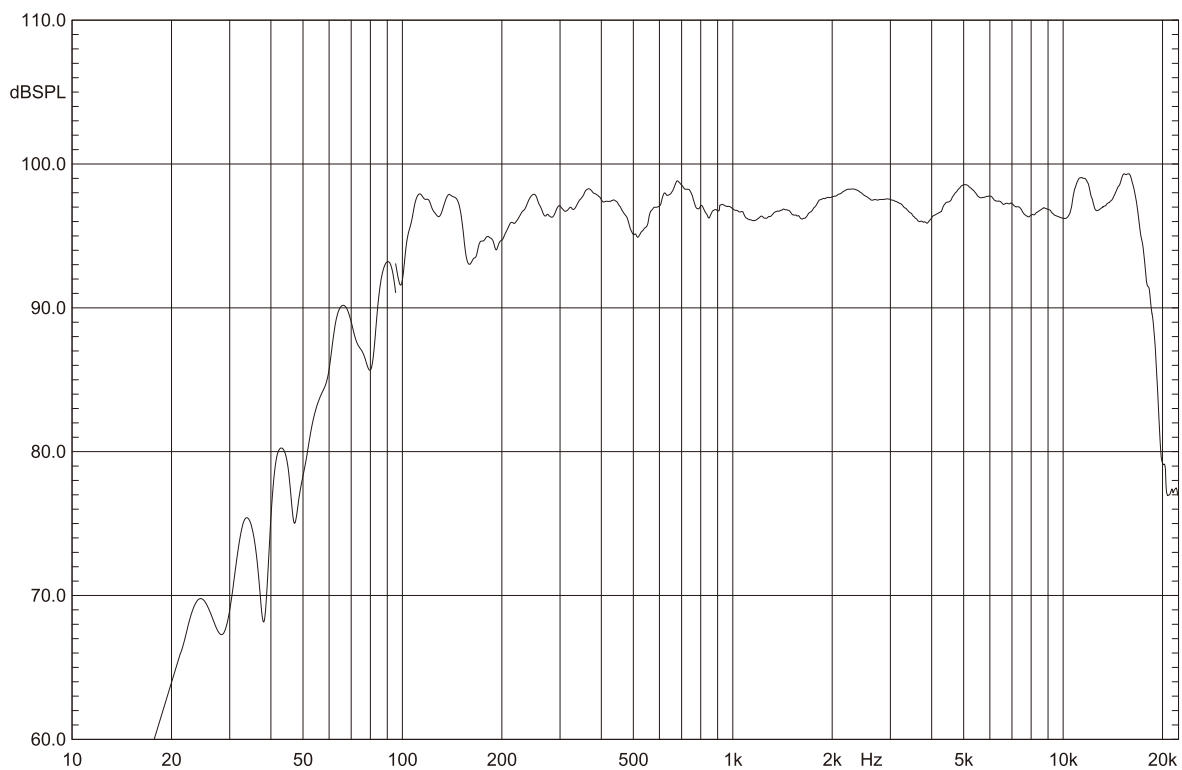
## GPL-5 and GPL-5T



Note : Specification and graphs are created with the dedicated DSP presets.

# GPL Series Response graphs

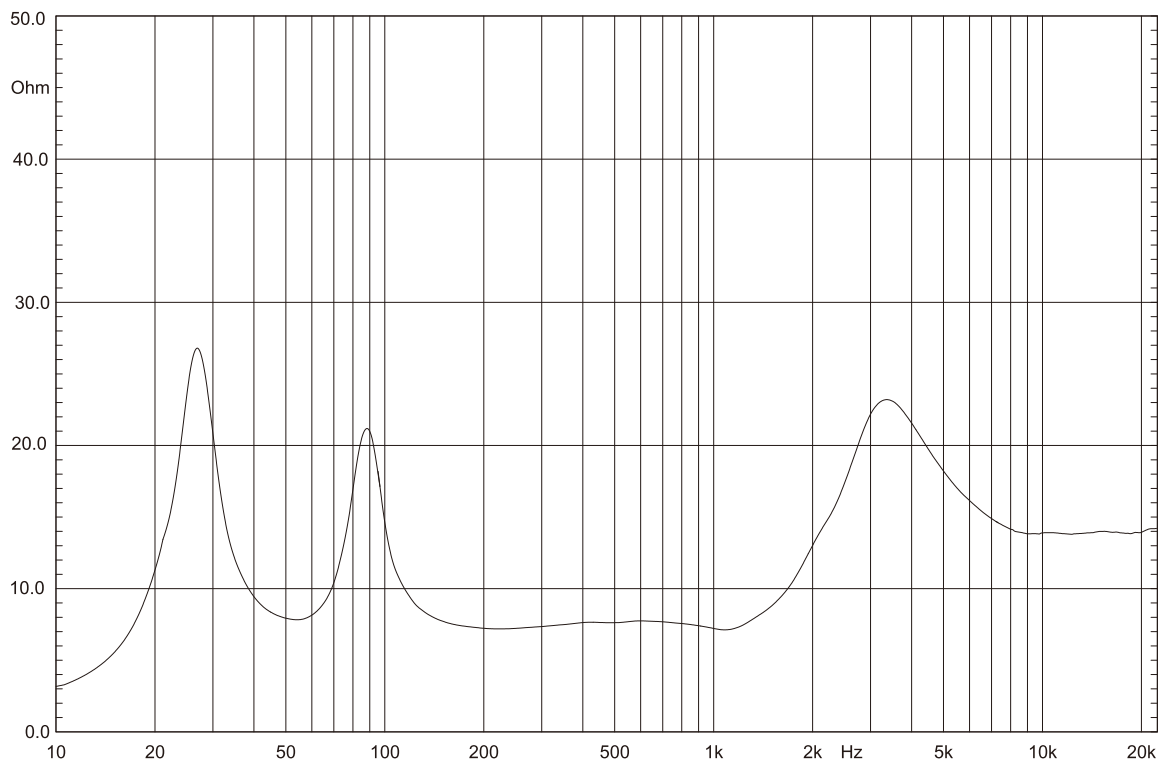
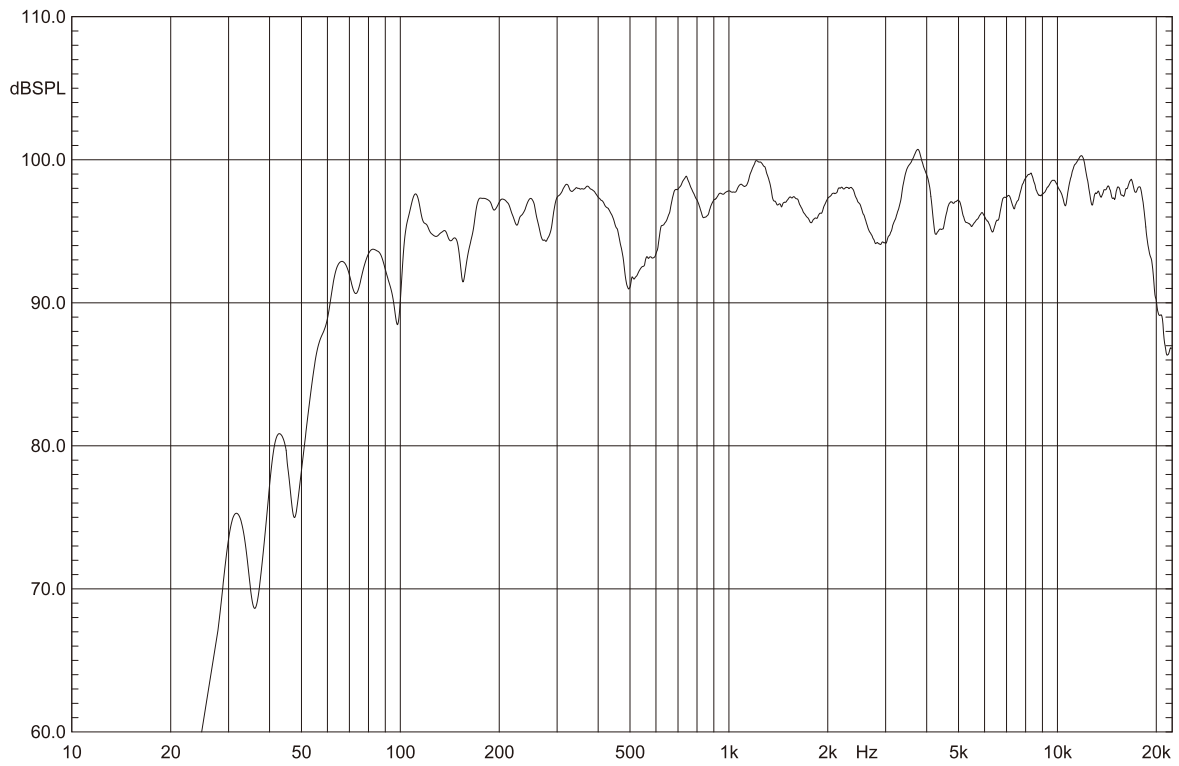
## GPL-8 and GPL-8T



Note : Specification and graphs are created with the dedicated DSP presets.

# GPL Series Response graphs

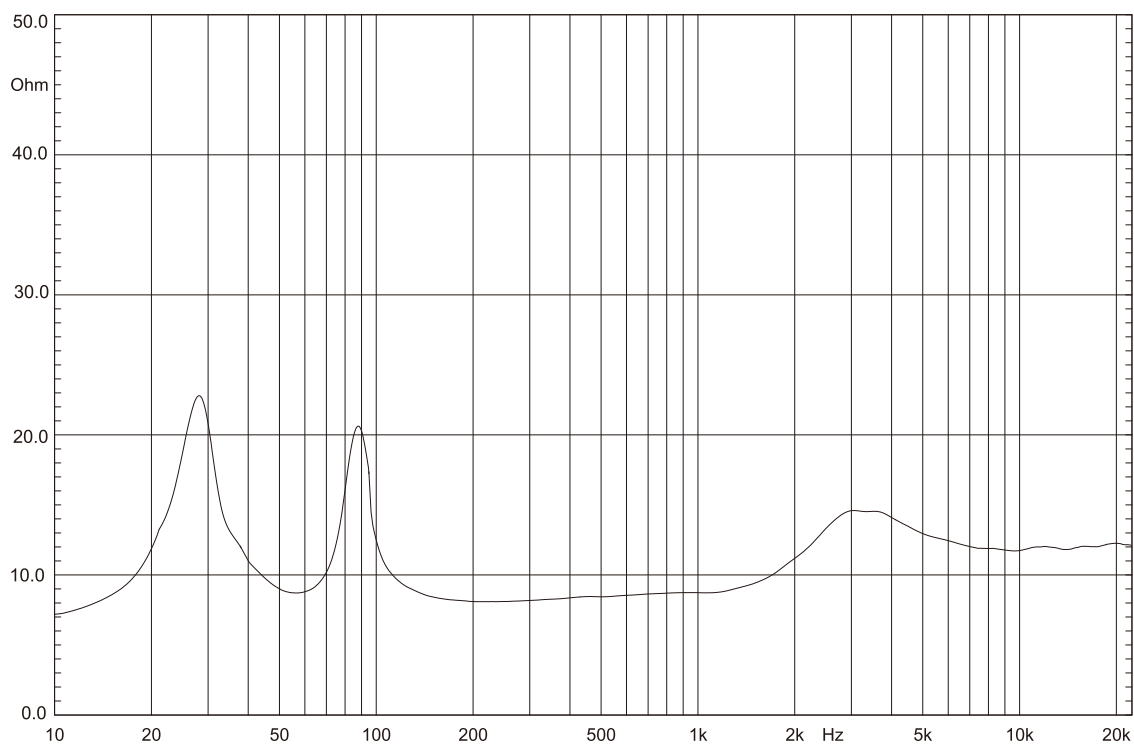
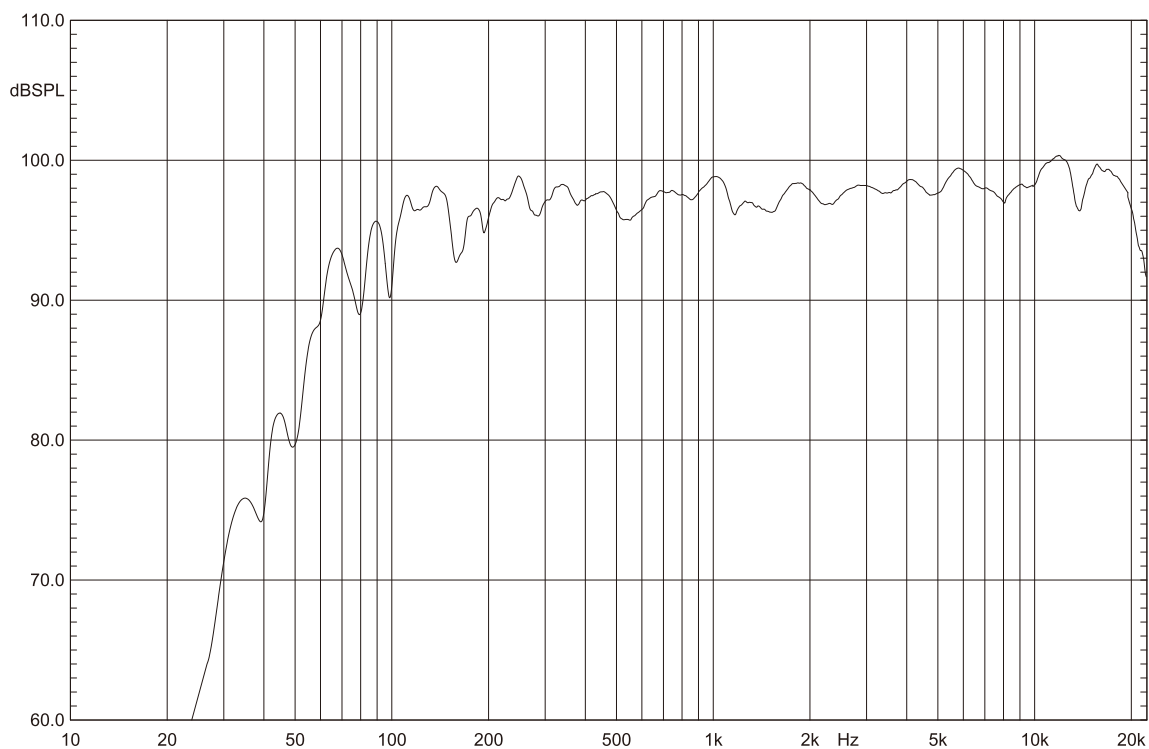
## GPL-12



Note : Specification and graphs are created with the dedicated DSP presets.

# GPL Series Response graphs

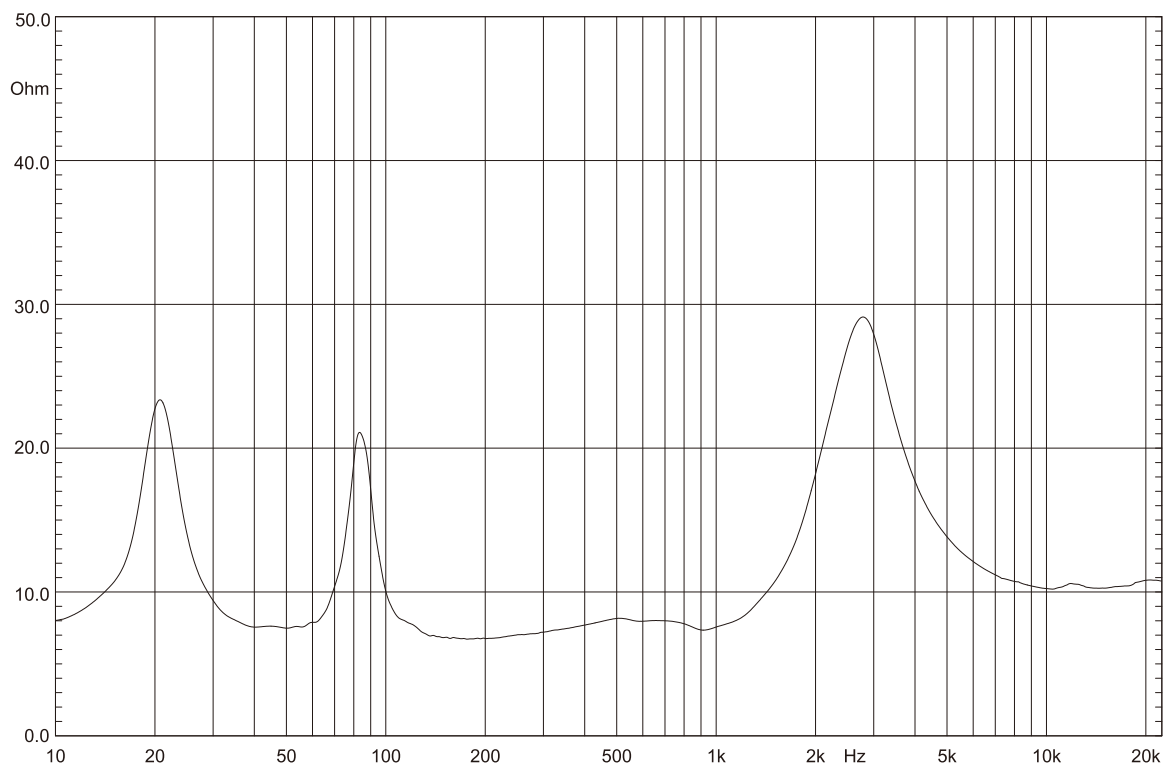
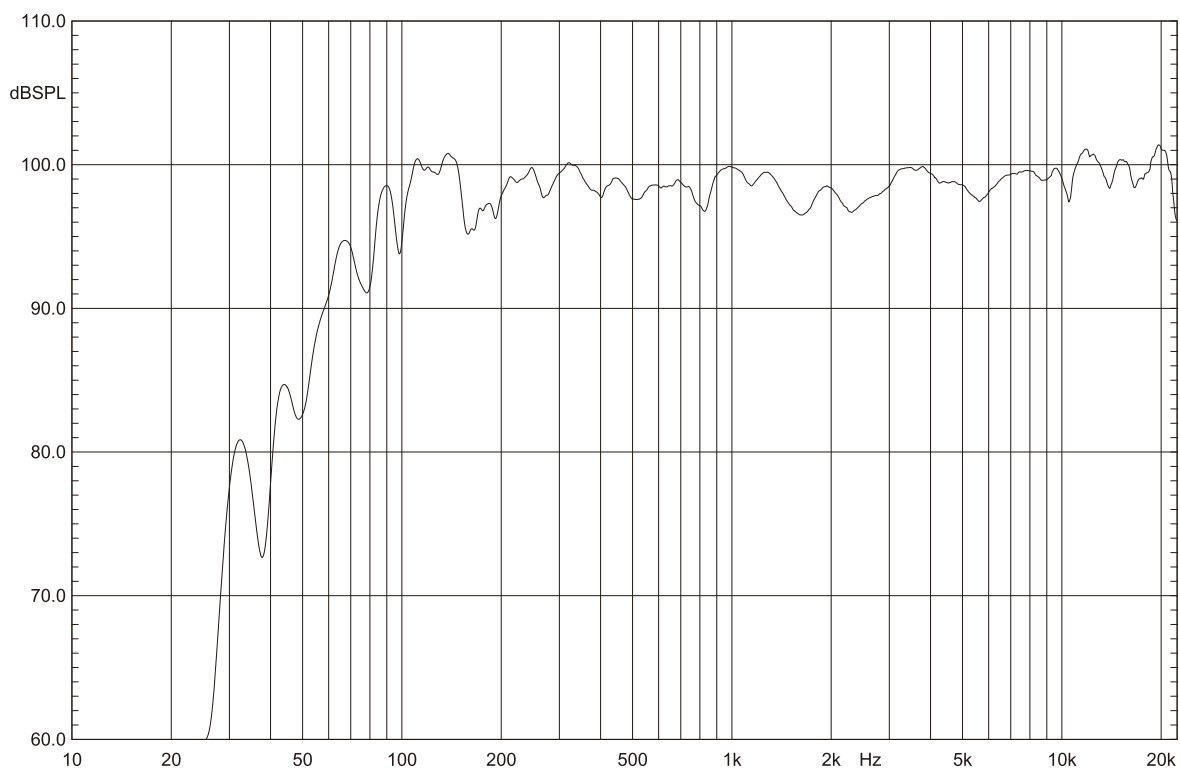
## GPL-12HQ



Note : Specification and graphs are created with the dedicated DSP presets.

# GPL Series Response graphs

## GPL-15

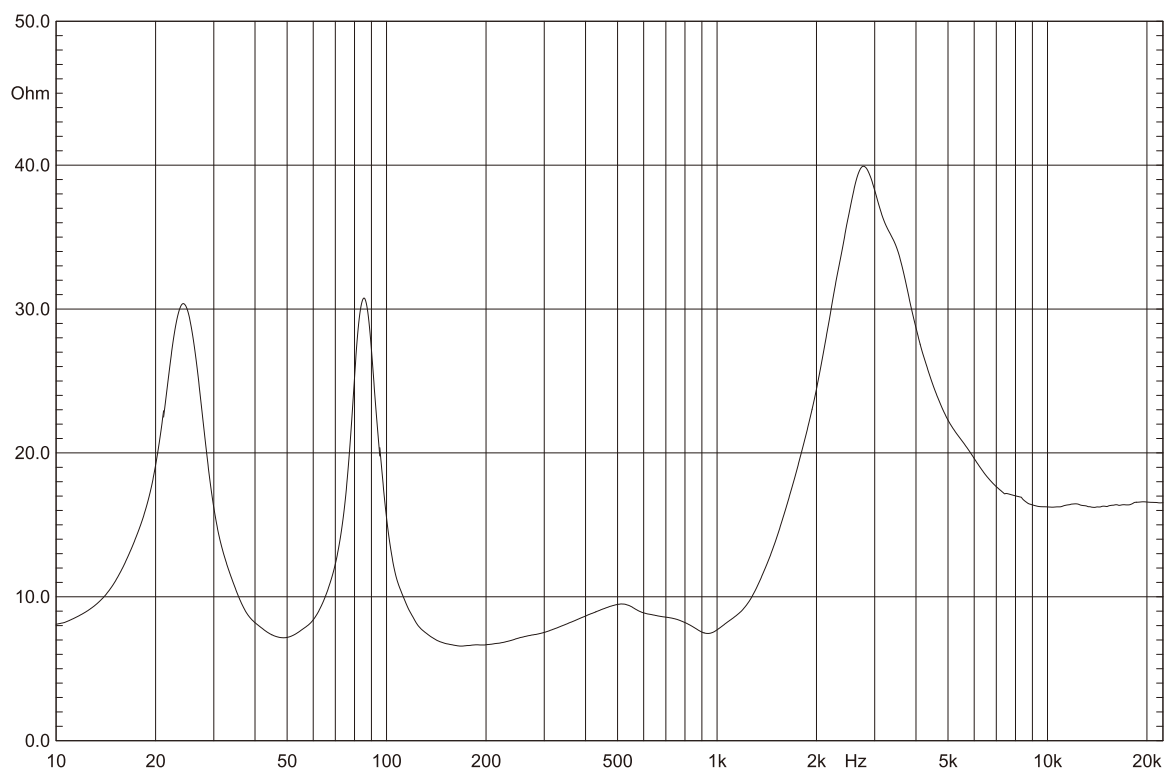
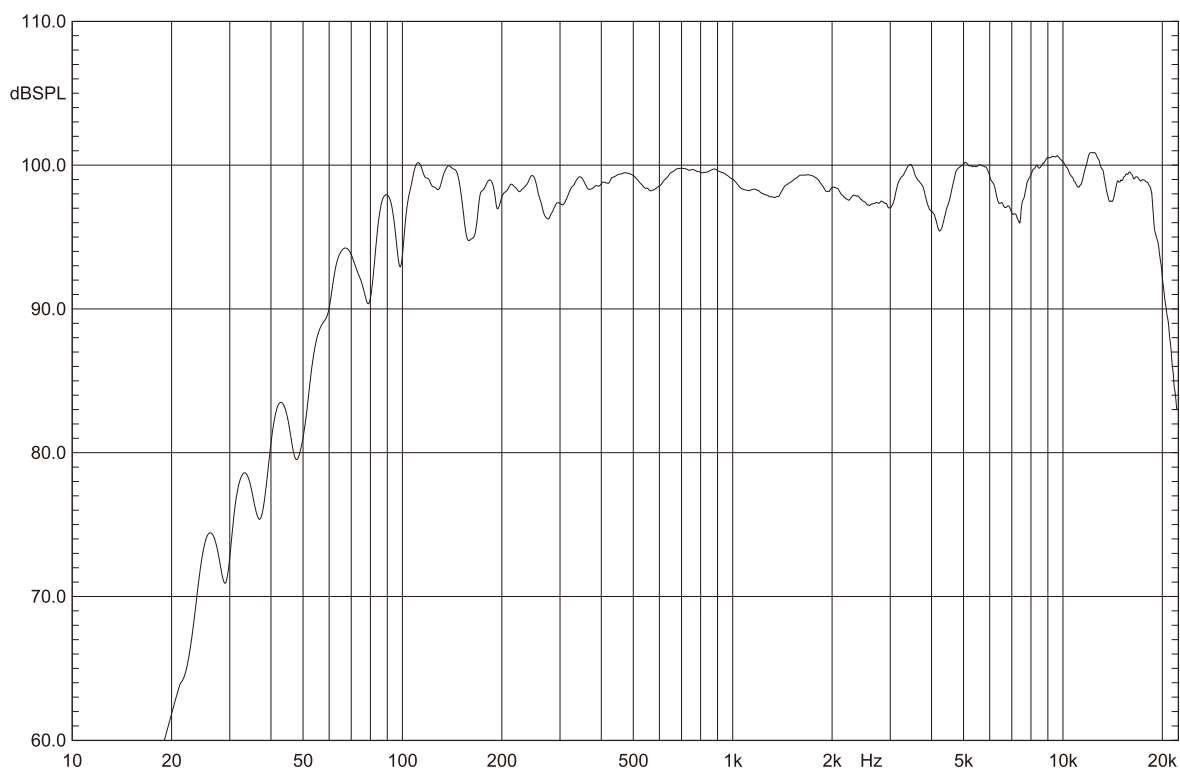


Note : Specification and graphs are created with the dedicated DSP presets.



# GPL Series Response graphs

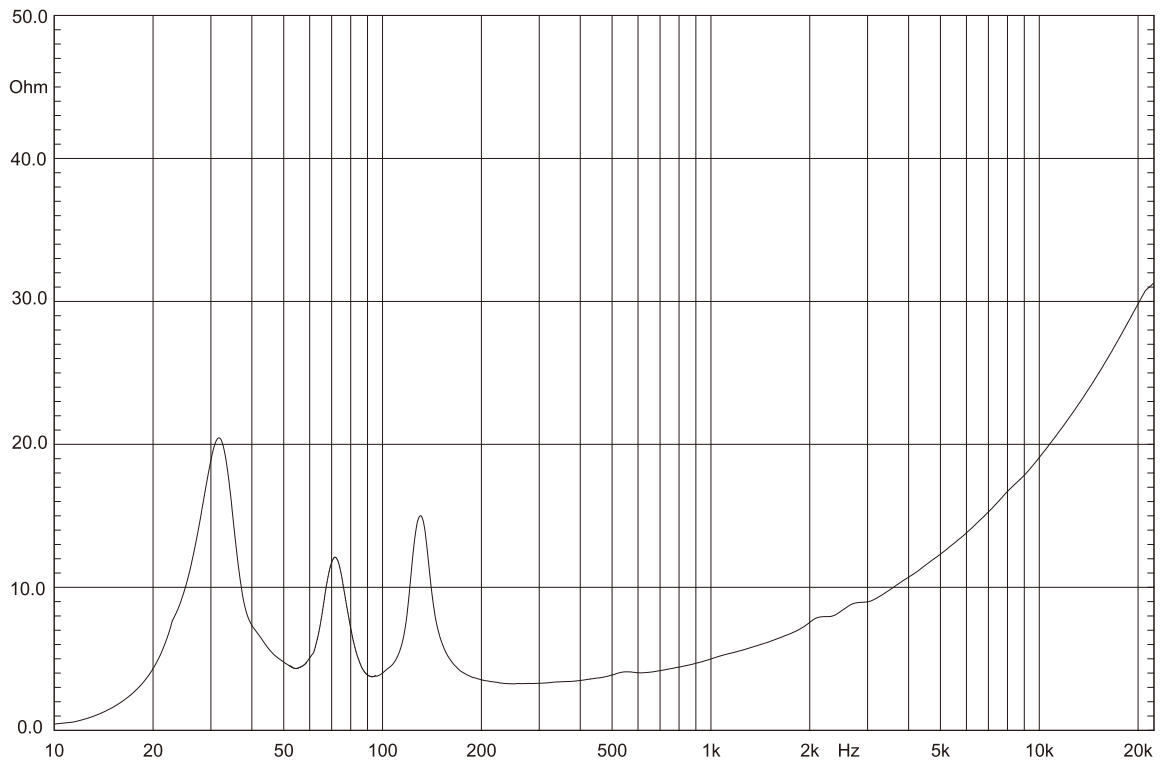
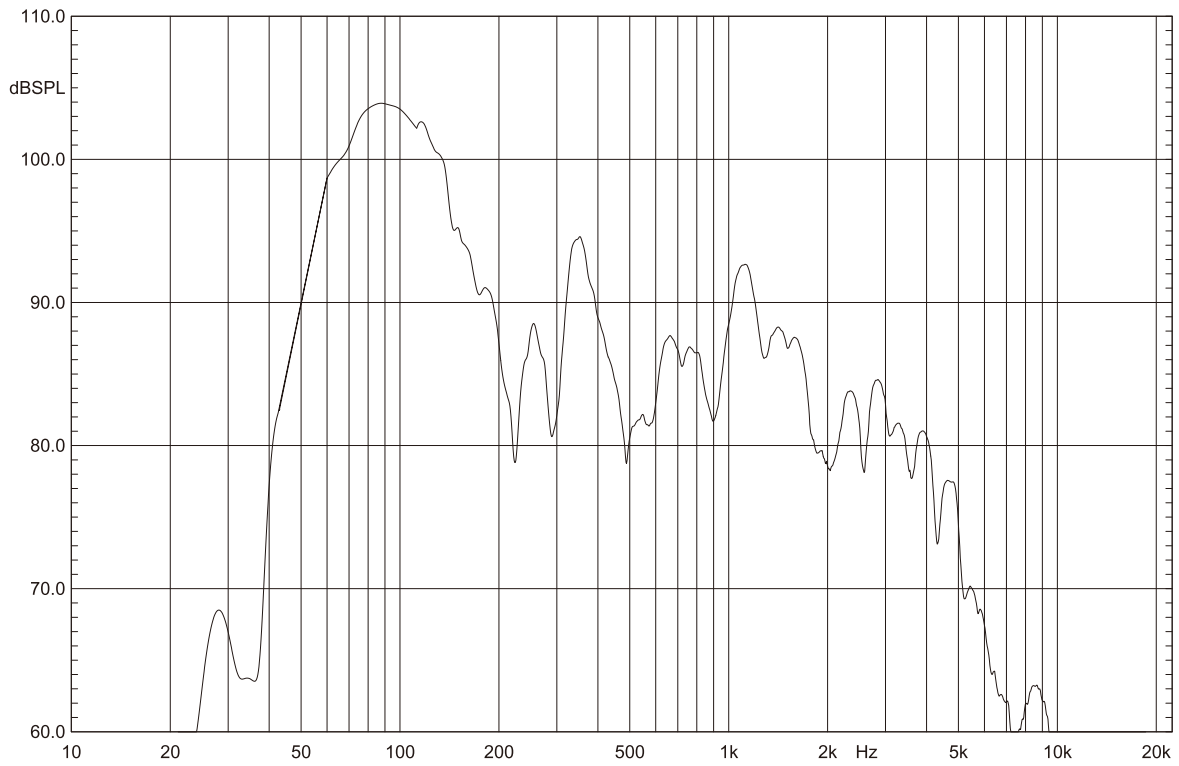
## GPL-15HQ



Note : Specification and graphs are created with the dedicated DSP presets.

# GPL Series Response graphs

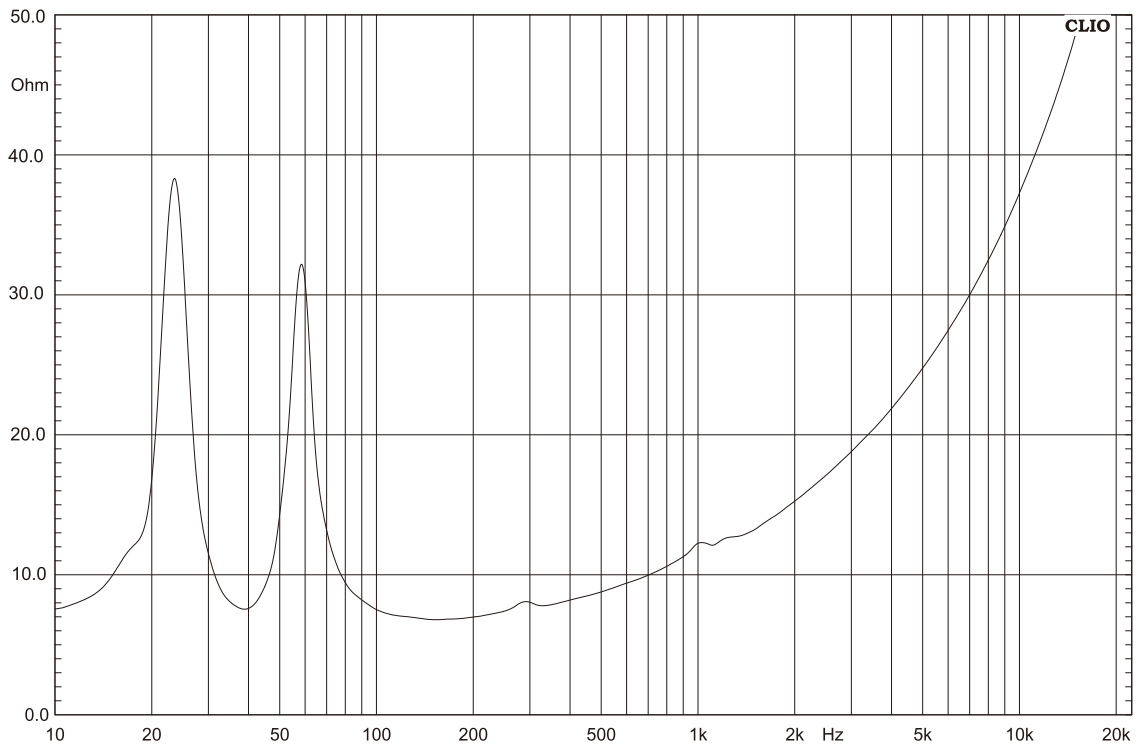
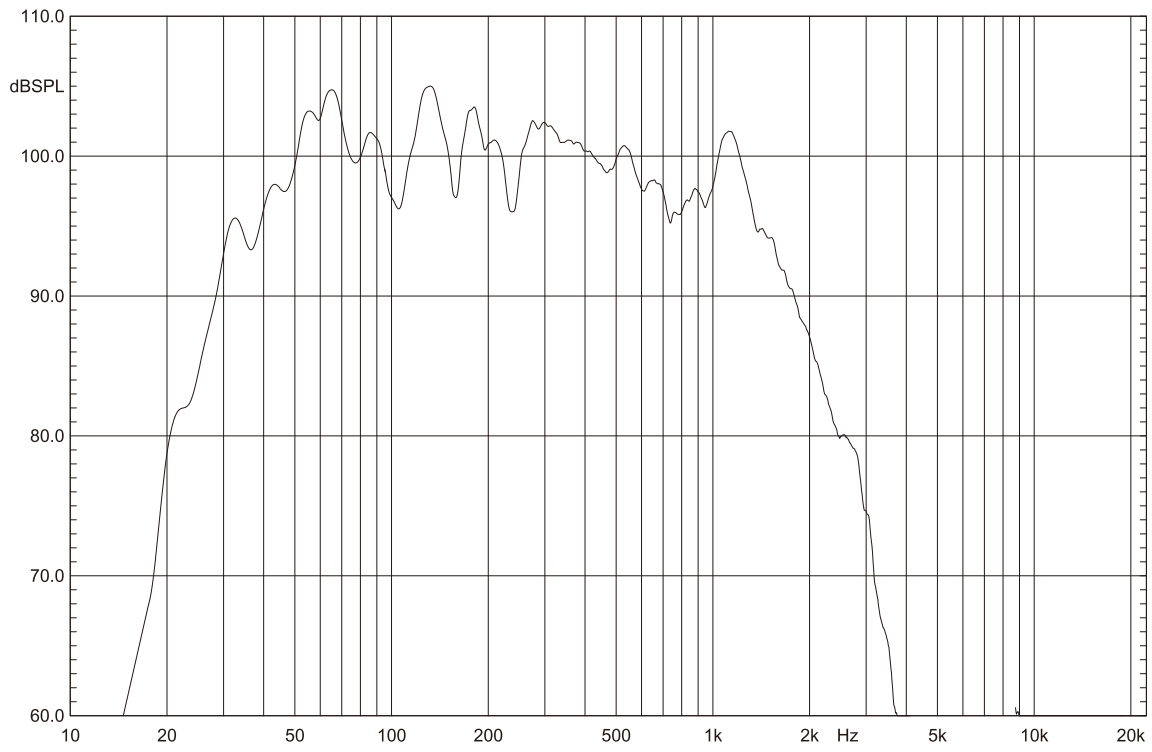
## GPL-28B



Note : Specifications are created with the dedicated DSP presets.

# GPL Series Response graphs

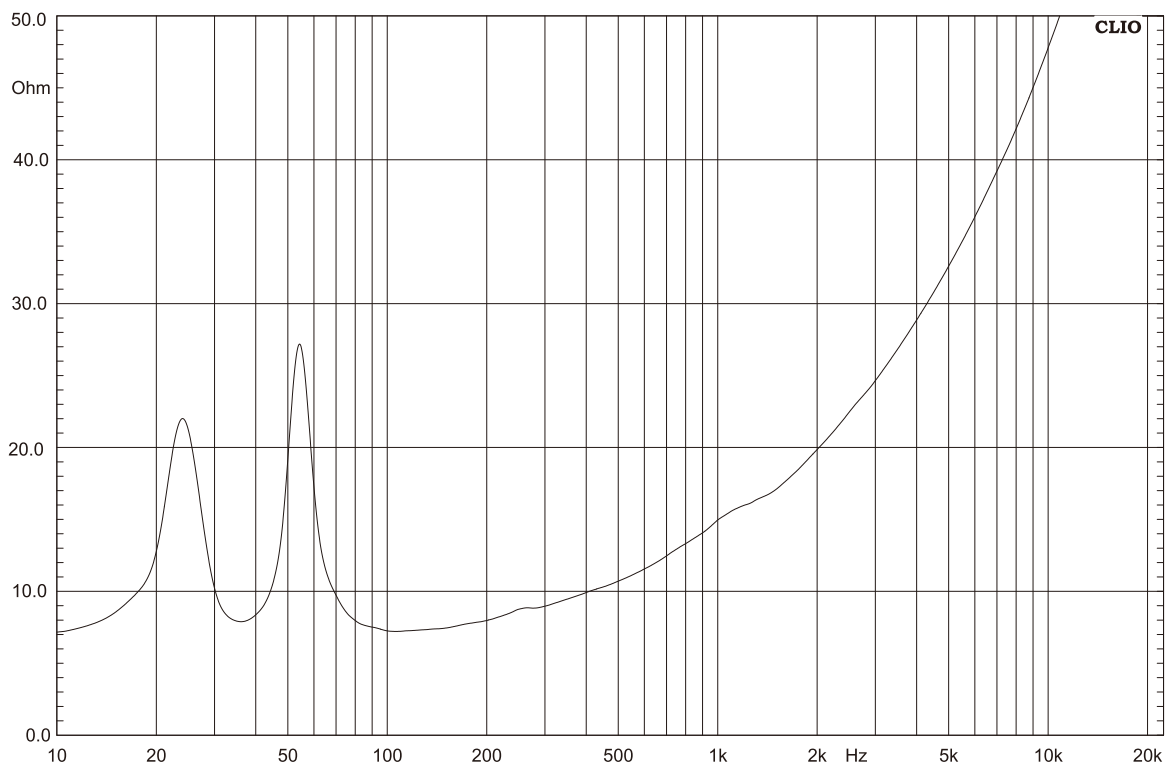
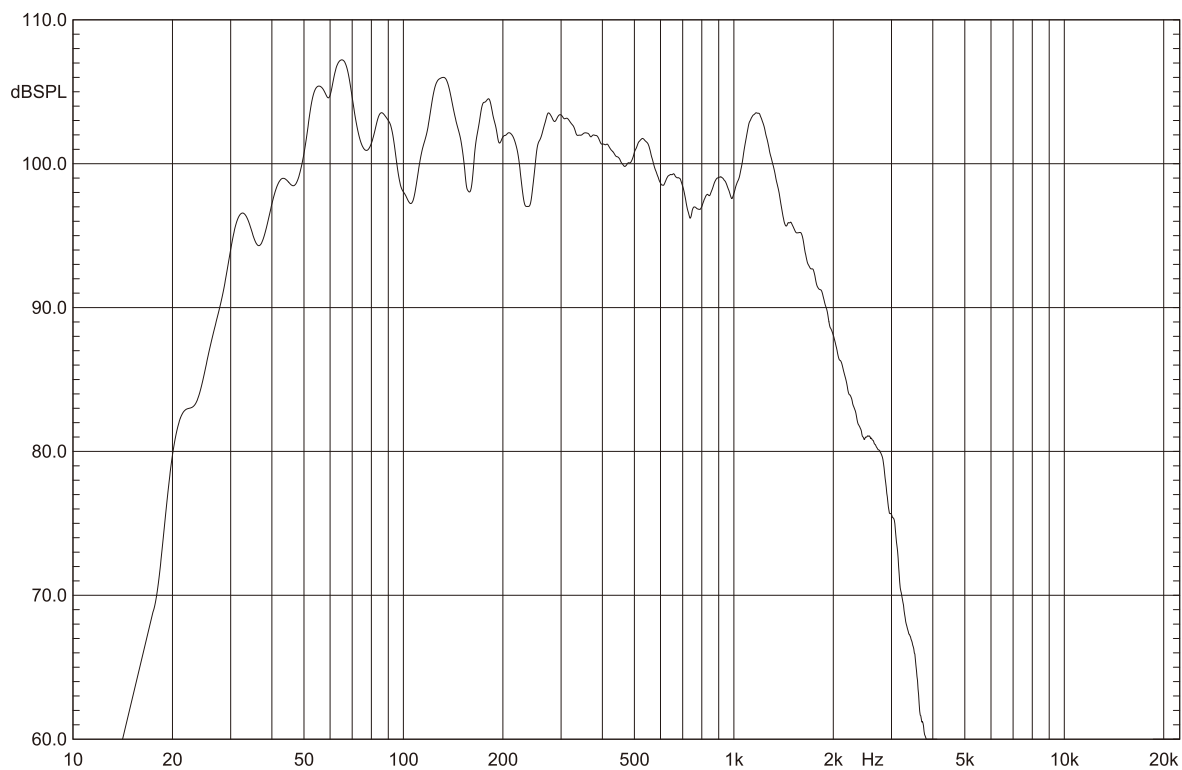
## GPL-115B



Note : Specifications are created with the dedicated DSP presets.

# GPL Series Response graphs

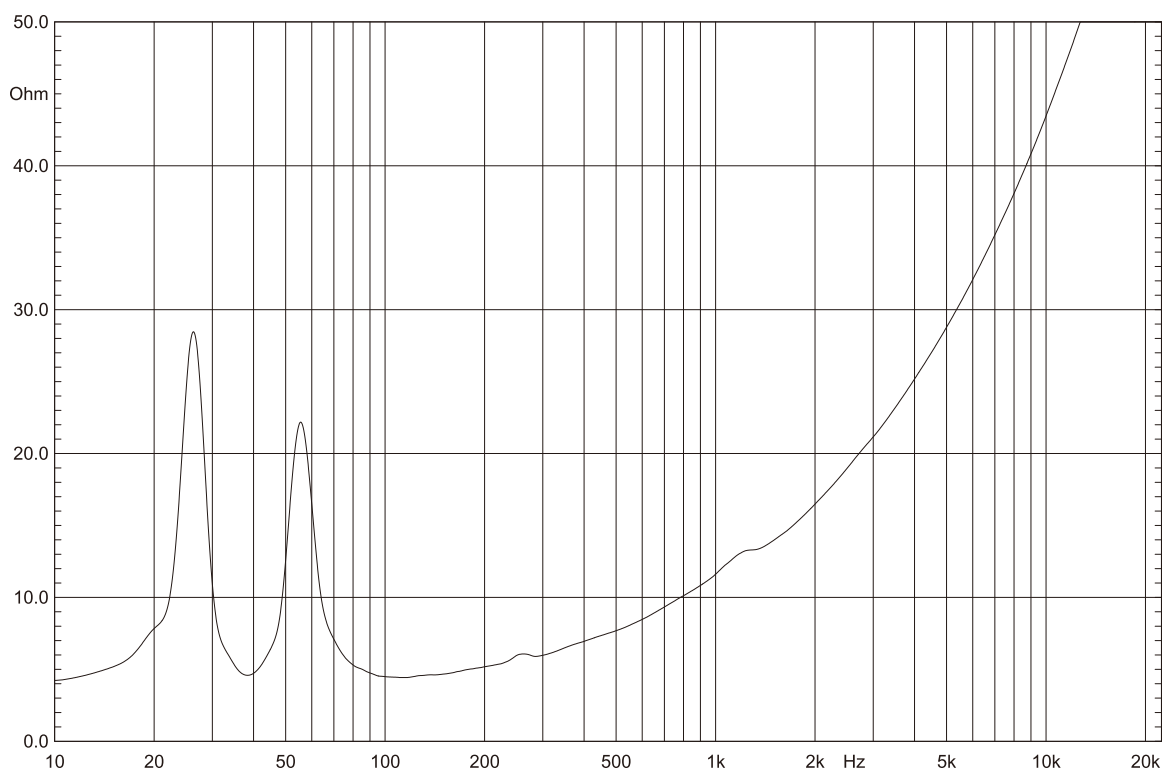
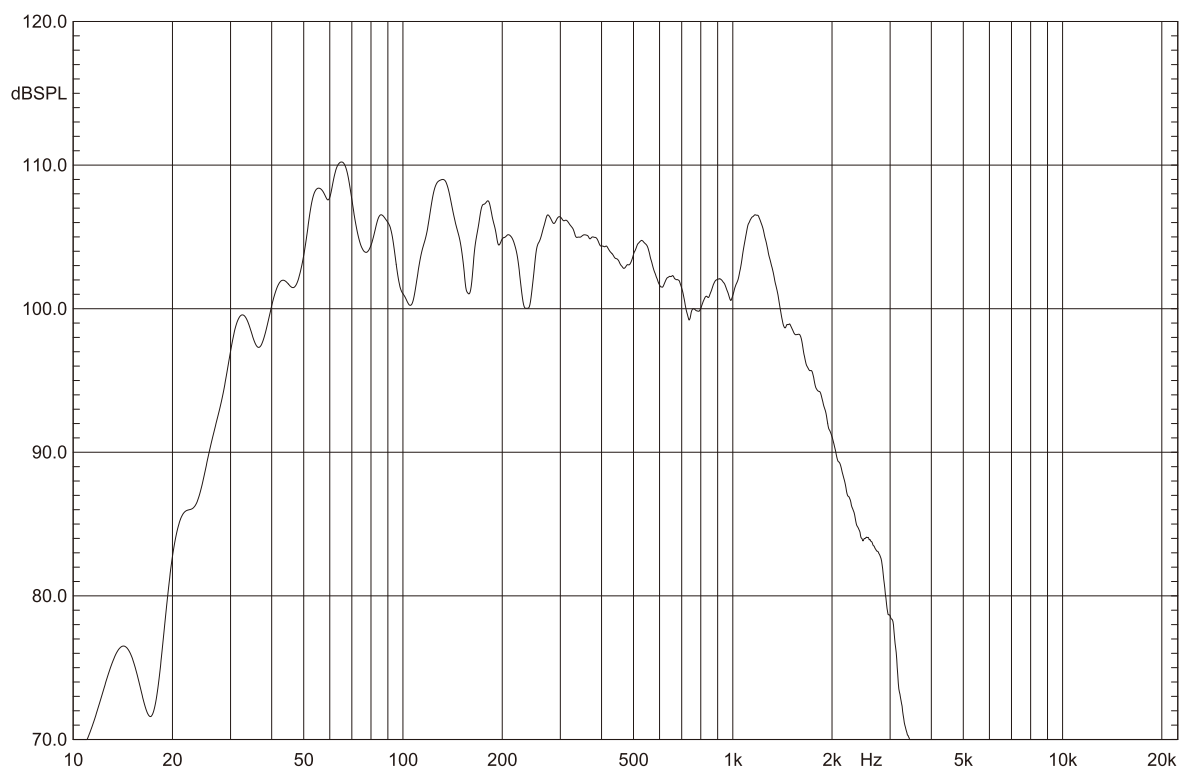
## GPL-118B



Note : Specifications are created with the dedicated DSP presets.

# GPL Series Response graphs

## GPL-218B



Note : Specifications are created with the dedicated DSP presets.

# Polar Plots

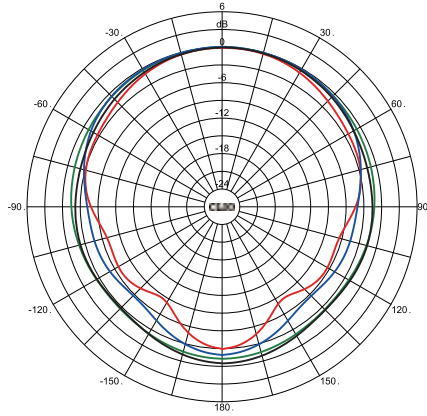
## GPL-5 and GPL-5T

200Hz

250Hz

315Hz

400Hz

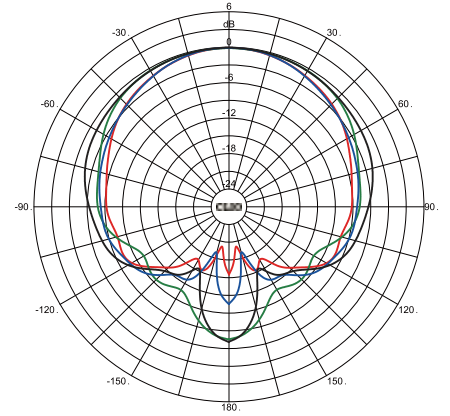


500Hz

630Hz

800Hz

1000Hz

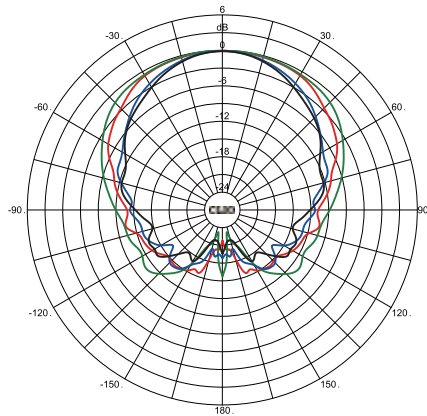


1250Hz

1600Hz

2000Hz

2500Hz

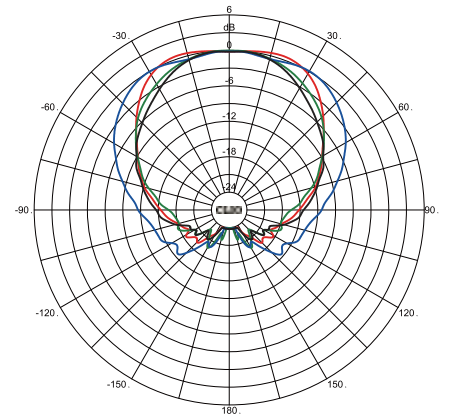


3150Hz

4000Hz

5000Hz

6300Hz

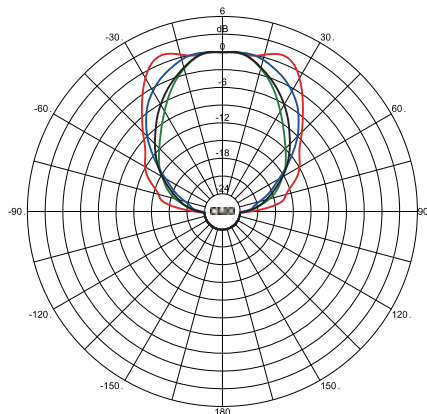


8000Hz

10000Hz

12500Hz

16000Hz



# Polar Plots

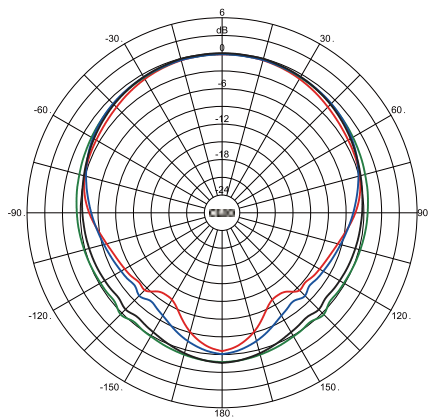
## GPL-8 ad GPL-8T

200Hz

250Hz

315Hz

400Hz

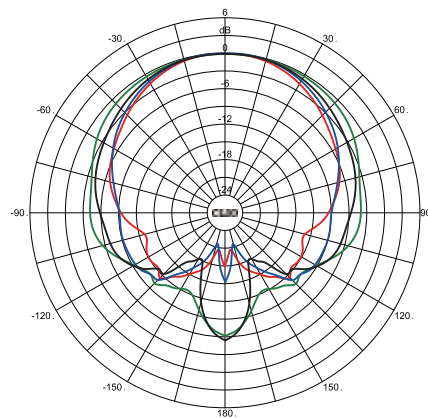


500Hz

630Hz

800Hz

1000Hz

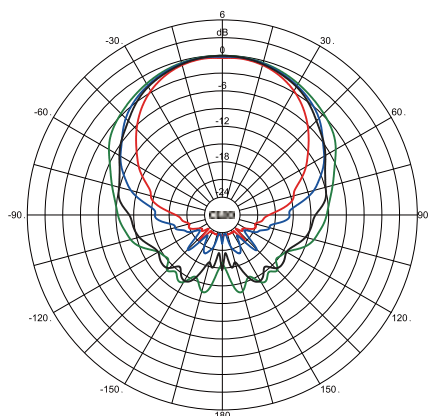


1250Hz

1600Hz

2000Hz

2500Hz

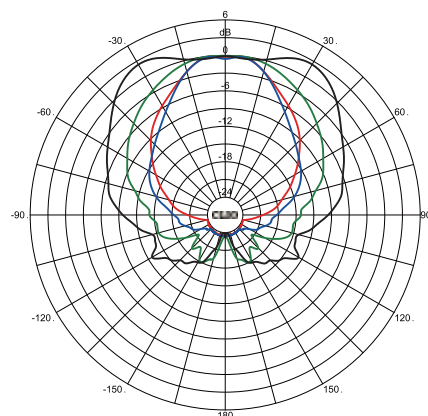


3150Hz

4000Hz

5000Hz

6300Hz

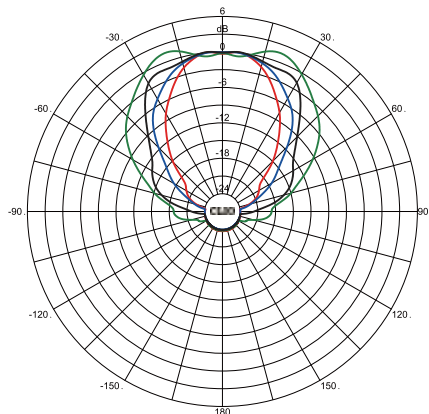


8000Hz

10000Hz

12500Hz

16000Hz



# Polar Plots

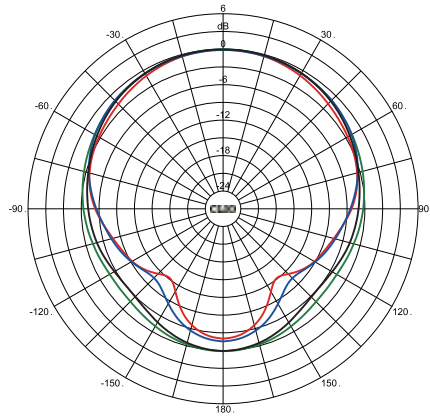
## GPL-12

200Hz

250Hz

315Hz

400Hz

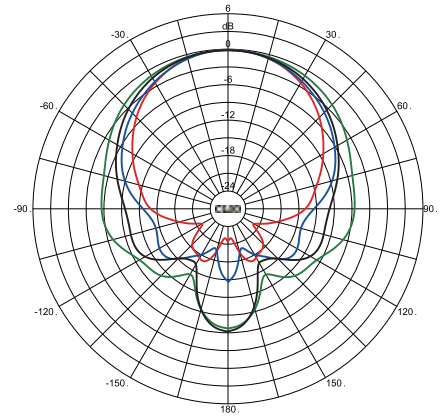


500Hz

630Hz

800Hz

1000Hz

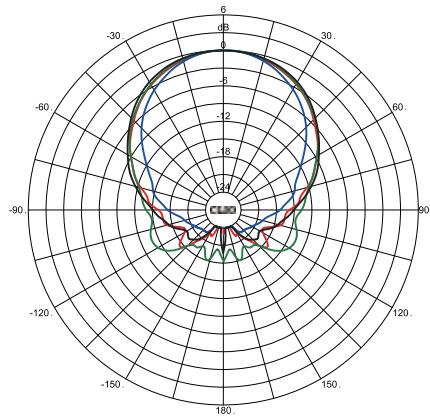


1250Hz

1600Hz

2000Hz

2500Hz

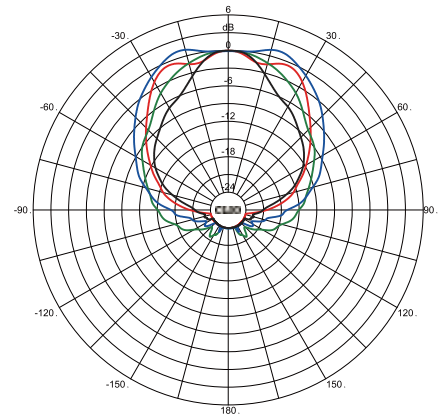


3150Hz

4000Hz

5000Hz

6300Hz

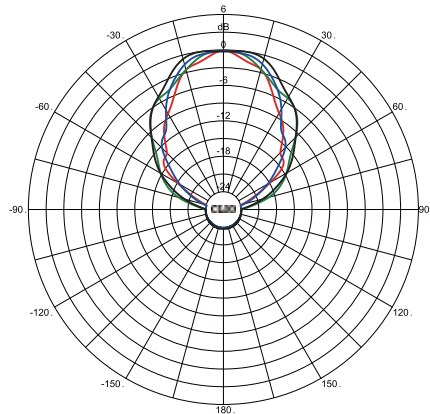


8000Hz

10000Hz

12500Hz

16000Hz





# Polar Plots

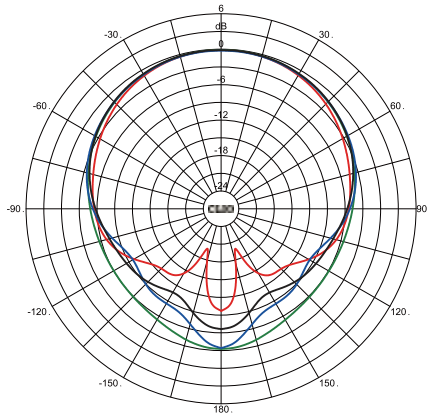
## GPL-12HQ. Horizontal

200Hz

250Hz

315Hz

400Hz

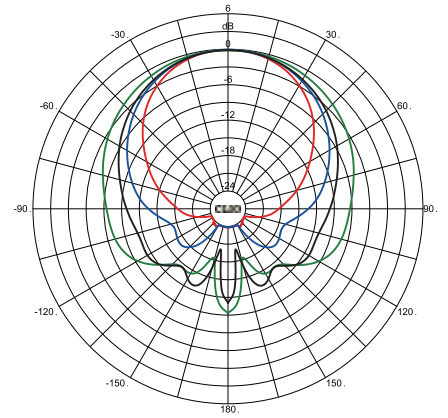


500Hz

630Hz

800Hz

1000Hz

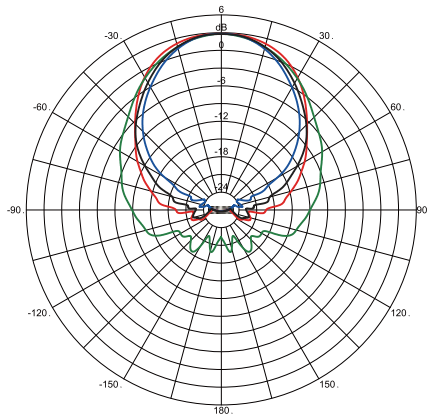


1250Hz

1600Hz

2000Hz

2500Hz

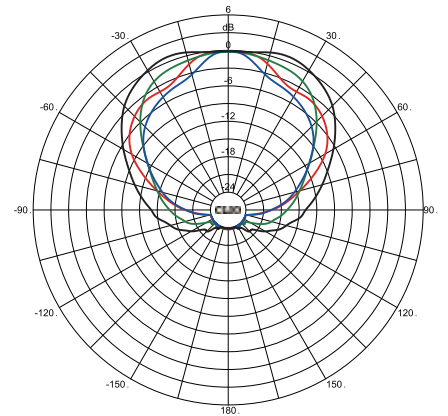


3150Hz

4000Hz

5000Hz

6300Hz

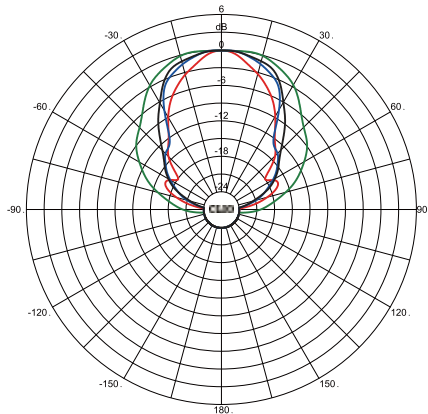


8000Hz

10000Hz

12500Hz

16000Hz



# Polar Plots

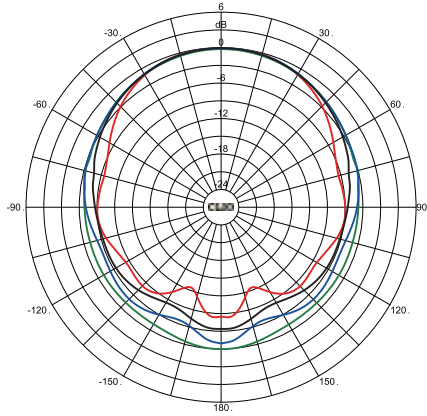
## GPL-12HQ. Vertical

200Hz

250Hz

315Hz

400Hz

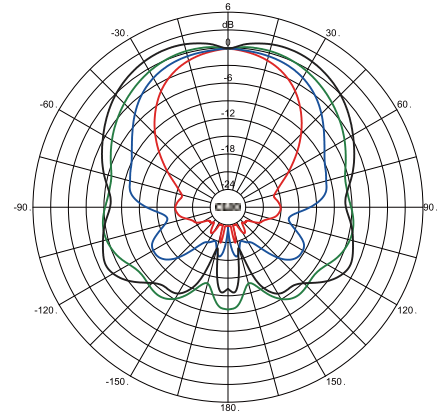


500Hz

630Hz

800Hz

1000Hz

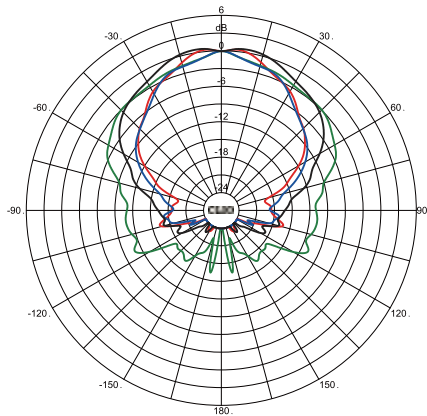


1250Hz

1600Hz

2000Hz

2500Hz

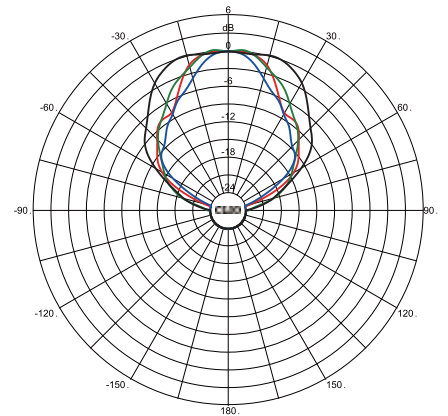


3150Hz

4000Hz

5000Hz

6300Hz

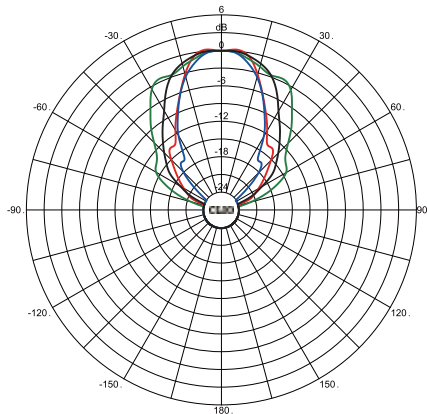


8000Hz

10000Hz

12500Hz

16000Hz



# Polar Plots

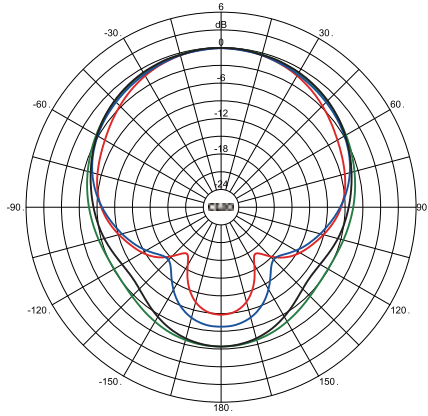
## GPL-15

200Hz

250Hz

315Hz

400Hz

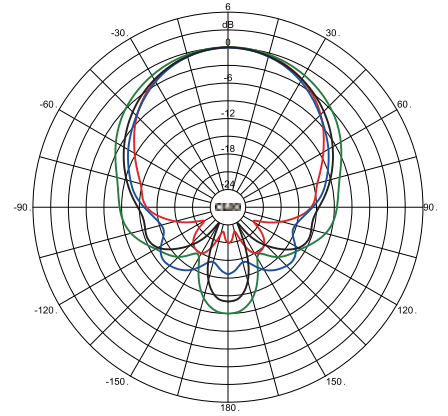


500Hz

630Hz

800Hz

1000Hz

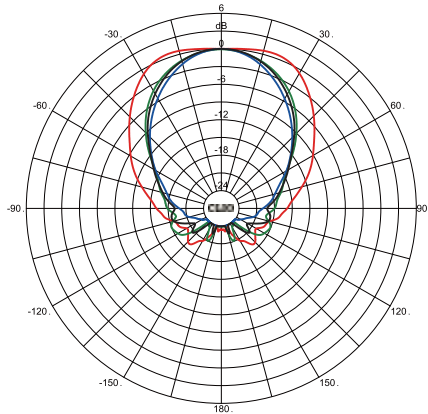


1250Hz

1600Hz

2000Hz

2500Hz

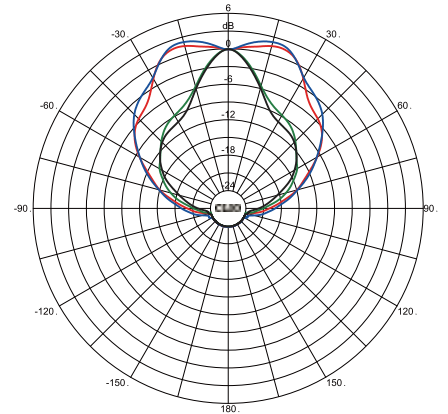


3150Hz

4000Hz

5000Hz

6300Hz

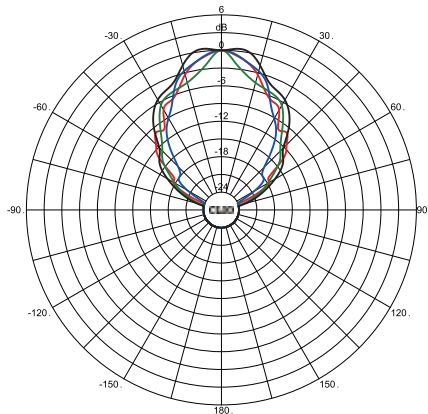


8000Hz

10000Hz

12500Hz

16000Hz



# Polar Plots

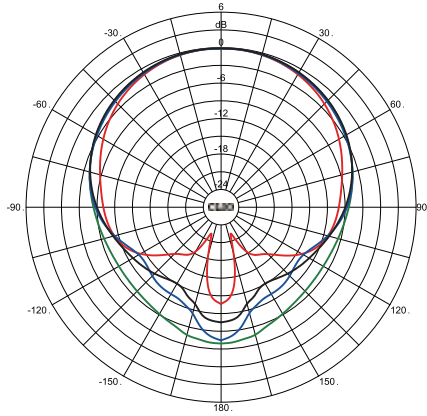
## GPL-15HQ. Horizontal

200Hz

250Hz

315Hz

400Hz

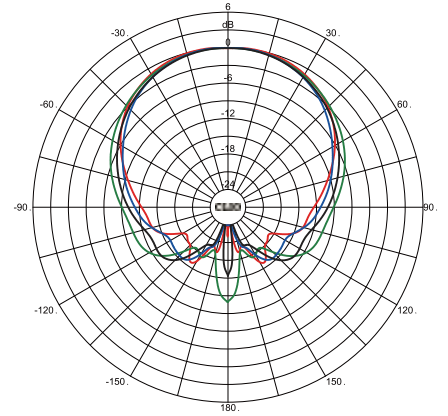


500Hz

630Hz

800Hz

1000Hz

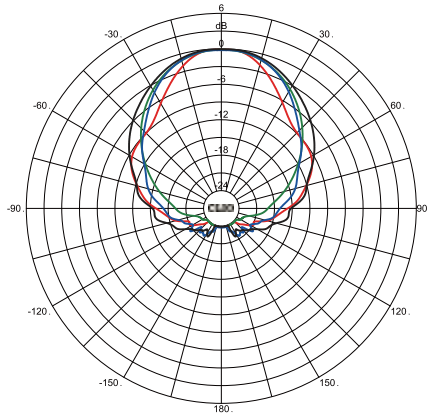


1250Hz

1600Hz

2000Hz

2500Hz

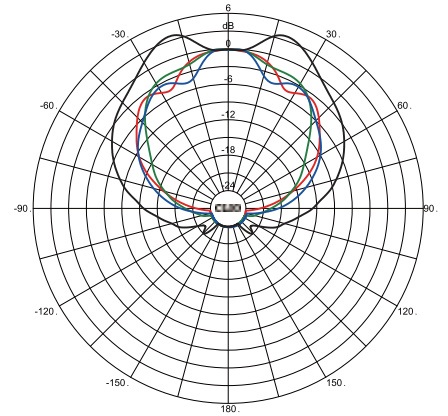


3150Hz

4000Hz

5000Hz

6300Hz

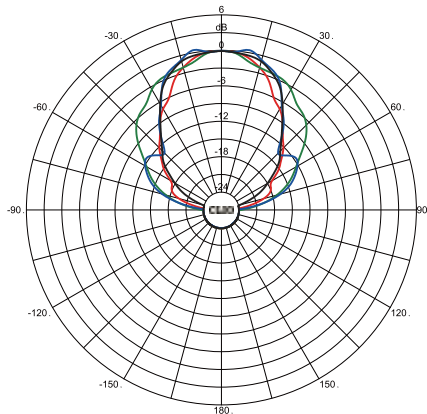


8000Hz

10000Hz

12500Hz

16000Hz



# Polar Plots

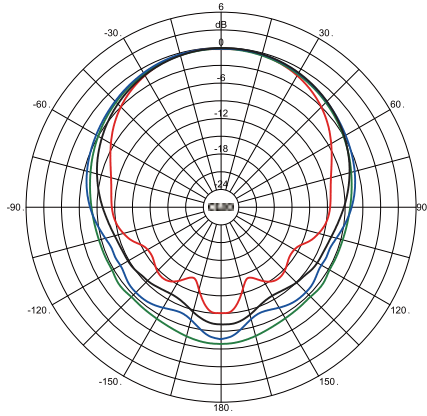
## GPL-15HQ. Vertical

200Hz

250Hz

315Hz

400Hz

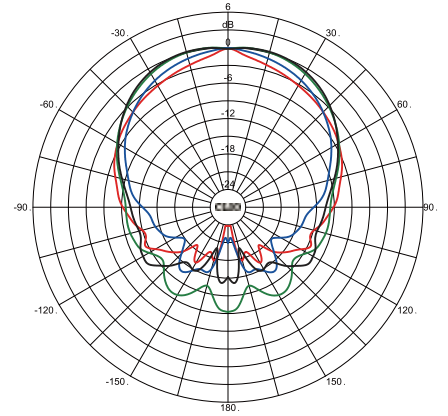


500Hz

630Hz

800Hz

1000Hz

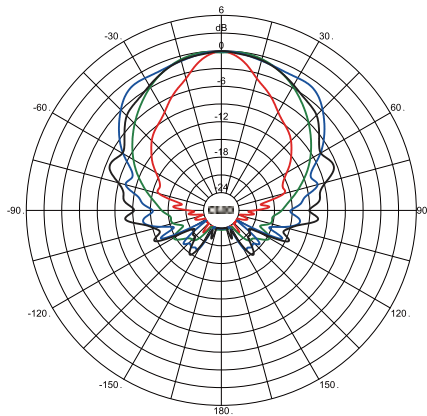


1250Hz

1600Hz

2000Hz

2500Hz

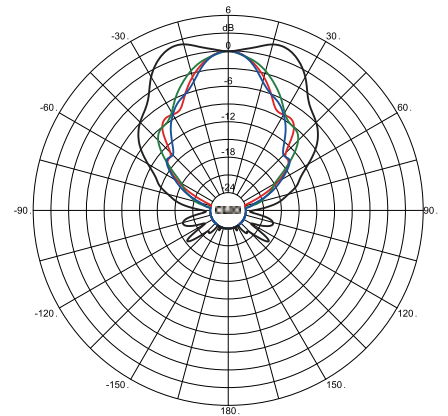


3150Hz

4000Hz

5000Hz

6300Hz

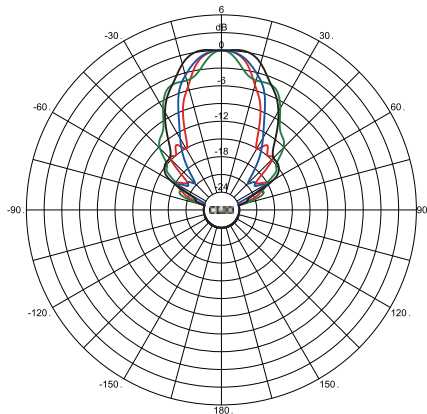


8000Hz

10000Hz

12500Hz

16000Hz



# Specifications

Model Name	GPL-5 / 5T	GPL-8 / 8T
System Type	5" coaxial passive	8" coaxial passive
Configuration	two-way	two-way
Frequency Response (+/-3 dB) (DP-N preset)	80 Hz - 20 KHz	65 Hz - 20 KHz
Frequency Range (- 10 dB) (DP-N preset)	68 Hz - 25 KHz	53 Hz - 25 KHz
Sensitivity 2.83 V/1 m	96 dB	97 dB
Sensitivity 2.83 V/1 m half space	/	/
Calculated Maximum SPL @1 m	125 dB	128 dB
System Peak SPL*	131 dB	134 dB
*level at 1 m using pink noise with crest factor 4, with dedicated pre-set.		
System Rated Impedance	8 Ω	8 Ω
<b>Low Frequency Transducer</b>		
Size	155 mm / 5"	211.5 mm / 8"
Voice coil size	38.1 mm / 1.5"	63.5 mm / 2.5"
LF Frame Material	Aluminium	Aluminium
<b>High Frequency Transducer</b>		
HF Driver Type	Compression Driver	Compression Driver
Coil Size (mm / inches)	38.1 mm / 1.5"	44.4 mm / 1.75"
Exit Size (mm / inches)	25.4 / 1"	25.4 / 1"
Diaphragm Material	PM4	PM4
Waveguide Type	Spherical	Spherical
Nominal Coverage (H x V)	70° conical	70° conical
<b>Special Features</b>		
Shorting cap for extended response		
Waterproof LF cone		Waterproof LF cone
		FEA optimized, Shared High performing Ferrite magnet system design
Driver brand	Beyma	Beyma
<b>Power</b>		
T Model	70 V : 120 / 60 / 30 / 15 W 100 V : 120 / 60 / 30 W	70 V : 200 / 100 / 50 / 25 W 100 V : 200 / 100 / 50 W
System Continuous Power (W)	200	350
System Programme Power (W)	400	700
System Peak Power (W)	800	1400
Crossover Frequency	2.5 KHz	1.6 KHz
Recommended HPF = BW18dB/oct.	63 Hz	48 Hz
Input Connector	2 x speakON compatible / 1 x Barrier Strip T Model barrier strip only	
Rigging & Hardware:	2 x M10 threaded rigging points. 4 x M8 threaded points for WPB-3	2 x M10 threaded rigging points. 4 x M8 threaded points for WPB-3
Included Accessories	GPL-5 horizontal flying yoke	GPL-8 horizontal flying yoke
Handle	NO	1 on back
<b>Enclosure</b>		
Cabinet Type	Trapezoid	Trapezoid
Enclosure Material and finish	12 mm plywood / Rhino Rock	12 mm plywood / Rhino Rock
Colour Options	Black paint, White on request	Black paint, White on request
Grille Material & Finish	Powder coated steel	Powder coated steel
<b>Dimensions - Unpacked (mm / inches):</b>		
Height	235 mm / 9.25"	388 mm / 15.3"
Width Front	190 mm / 7.5"	280 mm / 11.0"
Width Rear	145 mm / 5.7"	180 mm / 7.1"
Depth	205 mm / 8.1"	275 mm / 10.8"
<b>Dimensions - Packed (mm / inches):</b>		
Height	275 mm / 10.8"	448 mm / 17.6"
Width Front	250 mm / 9.8"	335 mm / 13.2"
Width Rear	250 mm / 9.8"	335 mm / 13.2"
Depth	265 mm / 10.4"	340 mm / 13.4"
<b>Weight</b>		
Net Weight	5.12 kg / 11.30 lbs	9.78 kg / 21.52 lbs
Gross Weight	5.70 kg / 12.5 lbs	10.82 kg / 23.80 lbs

Note : Specification and graphs are created with the dedicated DSP presets.  
Specifications may be subject to change without notice.

# Specifications

Model Name	GPL-12	GPL-12HQ	GPL-15	GPL-15HQ
System Type	12" coaxial passive	12" coaxial passive	15" coaxial passive	15" coaxial passive
Configuration	two-way	two-way	two-way	two-way
Frequency Response (+/-3 dB) (DP-N preset)	55 Hz - 20 KHz	55 Hz - 20 KHz	42 Hz - 20 KHz	42 Hz - 20 KHz
Frequency Range (- 10 dB) (DP-N preset)	35 Hz - 25 KHz	35 Hz - 25 KHz	25 Hz - 25 KHz	25 Hz - 25 KHz
Sensitivity 2.83 V/1 m	98 dB	98 dB	99 dB	99 dB
Sensitivity 2.83 V/1 m half space	/	/	/	/
Calculated Maximum SPL @1 m	131 dB	131 dB	132 dB	132 dB
System Peak SPL*	137 dB	137 dB	138 dB	138 dB
*level at 1 m using pink noise with crest factor 4, with dedicated pre-set.				
System Rated Impedance	8 Ω	8 Ω	8 Ω	8 Ω
Low Frequency Transducer				
Size	312 mm / 12"	312 mm / 12"	388 mm / 15"	388 mm / 15"
Voice coil size	101.6 mm / 4.0"	101.6 mm / 4.0"	101.6 mm / 4.0"	101.6 mm / 4.0"
LF Frame Material	Aluminium	Aluminium	Aluminium	Aluminium
High Frequency Transducer				
HF Driver Type	Compression Driver	Compression Driver	Compression Driver	Compression Driver
Coil Size (mm / inches)	72.2 mm / 2.87"	72.2 mm / 2.87"	72.2 mm / 2.87"	72.2 mm / 2.87"
Exit Size (mm / inches)	38.1 / 1.5"	38.1 / 1.5"	38.1 / 1.5"	38.1 / 1.5"
Diaphragm Material	Composite titanium / polyester	Composite titanium / polyester	Composite titanium / polyester	Composite titanium / polyester
Waveguide Type	Spherical	Constant Directivity	Spherical	Constant Directivity
Nominal Coverage (H x V)	60° conical	80° x40°	60° conical	80° x40°
<b>Special Features</b>				
	Copper Demodulating rings in both LF and HF units			
	Waterproof LF cone	Waterproof LF cone	Waterproof LF cone	Waterproof LF cone
	FEA optimized, Shared High performing Ferrite magnet system design			
Driver brand	Beyma	Beyma	Beyma	Beyma
<b>Power</b>				
System Continuous Power (W)	450	450	500	500
System Programme Power (W)	900	900	1000	1000
System Peak Power (W)	1800	1800	2000	2000
Crossover Frequency	1.2 KHz	1.2 KHz	1.2 KHz	1.2 KHz
Recommended HPF = BW1&dB/oct.	30 Hz	30 Hz	25 Hz	25 Hz
Input Connector	2 x speakON compatible / 1 x Barrier Strip			
Rigging & Hardware:	4 x M10 threaded rigging points. 4 x M8 threaded points for WPB-1/or OmnimountTM Series 60/PowerdriveTM Series 100 products	4 x M10 threaded rigging points. 4 x M8 threaded points for WPB-1/or OmnimountTM Series 60/PowerdriveTM Series 100 products	4 x M10 threaded rigging points. 4 x M8 threaded points for WPB-1/or OmnimountTM Series 60/PowerdriveTM Series 100 products	4 x M10 threaded rigging points. 4 x M8 threaded points for WPB-1/or OmnimountTM Series 60/PowerdriveTM Series 100 products
Included Accessories	GPL-12 horizontal flying yoke	GPL-12 horizontal flying yoke	GPL-15 horizontal flying yoke	GPL-15 horizontal flying yoke
Handle	1 on back	1 on back	1 on back	1 on back
<b>Enclosure</b>				
Cabinet Type	Trapezoid	Trapezoid	Trapezoid	Trapezoid
Enclosure Material and finish	15 mm plywood / Rhino Rock	15 mm plywood / Rhino Rock	15 mm plywood / Rhino Rock	15 mm plywood / Rhino Rock
Colour Options	Black paint, White on request	Black paint, White on request	Black paint, White on request	Black paint, White on request
Grille Material & Finish	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel
<b>Dimensions - Unpacked (mm / inches):</b>				
Height	486 mm / 19.1".	486 mm / 19.1".	590 mm / 23.2".	590 mm / 23.2"
Width Front	370 mm / 14.6"	370 mm / 14.6"	450 mm / 17.7"	450 mm / 17.7"
Width Rear	182 mm / 7.2"	182 mm / 7.2"	180 mm / 7.1"	180 mm / 7.1"
Depth	360 mm / 14.2"	360 mm / 14.2"	420 mm / 16.5"	420 mm / 16.5"
<b>Dimensions - Packed (mm / inches):</b>				
Height	546 mm / 21.5"	546 mm / 21.5"	650 mm / 25.6"	650 mm / 25.6"
Width Front	420 mm / 16.5"	420 mm / 16.5"	480 mm / 18.9"	480 mm / 18.9"
Width Rear	420 mm / 16.5"	420 mm / 16.5"	480 mm / 18.9"	480 mm / 18.9"
Depth	430 mm / 16.9"	430 mm / 16.9"	510 mm / 20.1"	510 mm / 20.1"
<b>Weight</b>				
Net Weight	22.0 kg / 48.4 lbs	22.0 kg / 48.4 lbs	26.0 kg / 57.2 lbs	26.0 kg / 57.2 lbs
Gross Weight	23.64 kg / 52.1 lbs	23.64 kg / 52.1 lbs	28.36 kg / 62.4 lbs	28.36 kg / 62.4 lbs

Note : Specification and graphs are created with the dedicated DSP presets.  
Specifications may be subject to change without notice.

# Specifications

Model Name	GPL-28B	GPL-115B	GPL-118B	GPL-218B
System Type	2 x 8" Passive	15" Subwoofer	18" Subwoofer	2 x 18" Passive
Configuration	Dual Xband-pass Subwoofer	Single Bass-Reflex Subwoofer	Single Bass-Reflex Subwoofer	Dual Bass-Reflex Subwoofer
Frequency Response (+/-3 dB) (DP-N preset)	/	/	/	/
Frequency Range (- 10 dB) (DP-N preset)	48 Hz - 150 Hz	32 Hz - 125 Hz	28 Hz - 100 Hz	25 Hz - 100 Hz
Sensitivity 2.83 V/1 m	/	/	/	/
Sensitivity 2.83 V/1 m half space	103 dB (half space)	104 dB (half space)	105 dB (half space)	109 dB (half space)
Calculated Maximum SPL @1 m	135 dB (half space)	139 dB (half space)	140 dB (half space)	148 dB (half space)
System Peak SPL*	141 dB (half space)	145 dB (half space)	146 dB (half space)	154 dB (half space)
*level at 1 m using pink noise with crest factor 4, with dedicated pre-set.				
System Rated Impedance	Parallel:4 Ω Discrete:8 Ω x 2	8 Ω	8 Ω	4 Ω
Low Frequency Transducer				
Size	211.5 mm / 8"	404 mm / 15"	470 mm / 18"	470 mm / 18"
Voice coil size	63.5 mm / 2.5"	102 mm / 4"	102 mm / 4"	102 mm / 4"
LF Frame Material	Aluminium	Aluminium	Aluminium	Aluminium
Driver brand	Wharfedale Pro	Wharfedale Pro	Wharfedale Pro	Wharfedale Pro
<b>Power</b>				
System Continuous Power (W)	400 W Parallel / 200 W x 2 Discrete	700	1000	2000
System Programme Power (W)	800 W Parallel / 400 W x 2 Discrete	1400	2000	4000
System Peak Power (W)	1600 W Parallel / 800 W x 2 Discrete	2800	4000	8000
Crossover Frequency				
Recommended HPF = BW18dB/oct.				
Input Connector	2 x speakON compatible / 1 x Barrier Strip			
Rigging & Hardware:	16 x M10 threaded rigging points.	12 x M10 threaded rigging points.	12 x M10 threaded rigging points.	NO
Included Accessories				
Handle	2 on Sides	4 on Sides	4 on Sides	4 on Sides
<b>Enclosure</b>				
Cabinet Type	Rectangle	Rectangle	Rectangle	Rectangle
Enclosure Material and finish	18 mm plywood / Rhino Rock	18 mm plywood / Rhino Rock	18 mm plywood / Rhino Rock	18 mm plywood / Rhino Rock
Colour Options	Black paint, White on request	Black paint, White on request	Black paint, White on request	Black paint, White on request
Grille Material & Finish	Powder coated steel	Powder coated steel	Powder coated steel	Powder coated steel
<b>Dimensions - Unpacked (mm / inches):</b>				
Height	300 mm / 11.8"	530 mm / 20.9"	600 mm / 23.6"	560 mm / 22.0"
Width Front	740 mm / 29.1"	470 mm / 18.5"	560 mm / 22.0"	1065 mm / 41.9"
Width Rear	740 mm / 29.1"	470 mm / 18.5"	560 mm / 22.0"	1065 mm / 41.9"
Depth	450 mm / 17.7"	630 mm / 24.8"	756 mm / 29.8"	756 mm / 29.8"
<b>Dimensions - Packed (mm / inches):</b>				
Height	370 mm / 14.6"	600 mm / 23.6"	670 mm / 26.4"	638 mm / 25.1"
Width Front	800 mm / 31.5"	530 mm / 20.9"	633 mm / 24.9"	1138 mm / 44.8"
Width Rear	800 mm / 31.5"	530 mm / 20.9"	633 mm / 24.9"	1138 mm / 44.8"
Depth	510 mm / 20.1"	690 mm / 27.2"	829 mm / 32.6"	829 mm / 32.6"
<b>Weight</b>				
Net Weight	25.0 kg / 55 lbs	32.5 kg / 71.5 lbs	44.0 kg / 96.8 lbs	75.0 kg / 165 lbs
Gross Weight	27.0 kg / 59.4 lbs	36.0 kg / 79.2 lbs	53.7 kg / 121.44 lbs	87.7 kg / 192.9 lbs

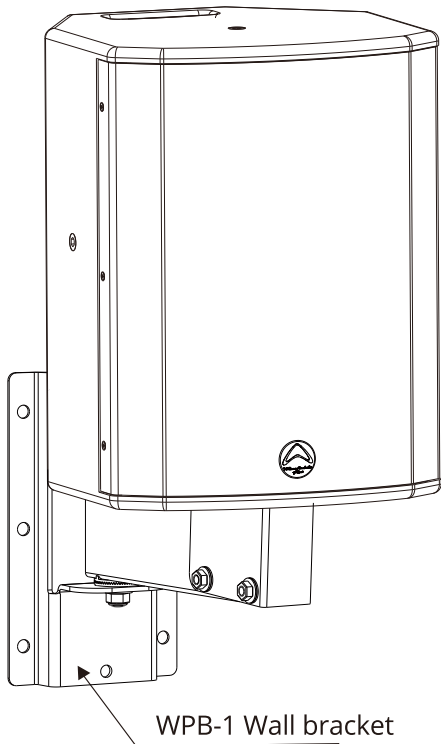
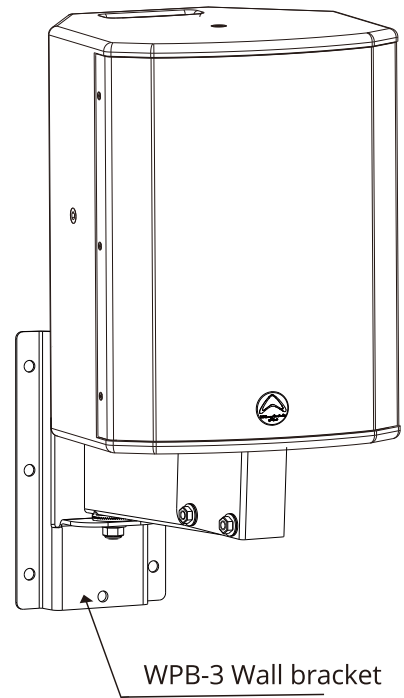
Note : Specifications are created with the dedicated DSP presets.  
Specifications may be subject to change without notice.



# Installation Hardware

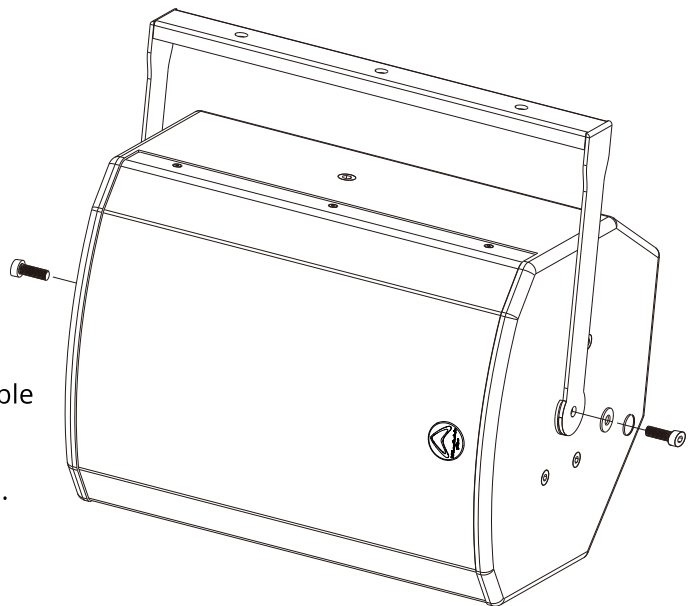
Installations can be complicated enough, so Wharfedale Pro have made GPL series as easy as possible.

GPL-5 (5T) and GPL-8 (8T) are quickly fixed to a wall using the optional WPB-3 wall bracket or with the included steel yoke.



GPL-12, GPL-12HQ, GPL-15 and GPL-15HQ are quickly fixed to a wall using the optional WPB-1 wall bracket or the included steel yoke.

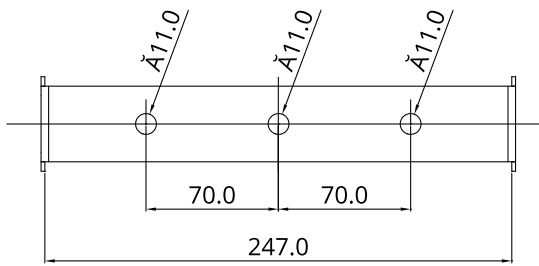
These models are also compatible with Powerdrive Series 100 or Omnimount Series 60 installation brackets.



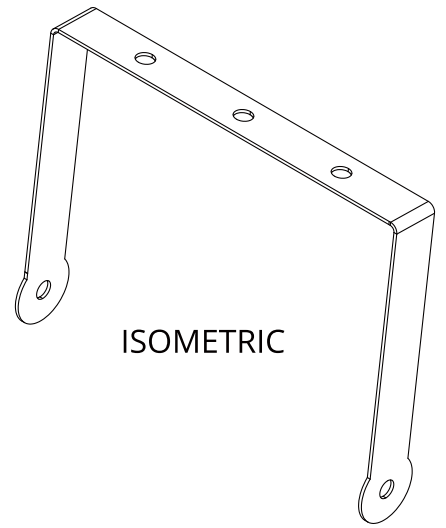
All full range models are also supplied with compatible steel mounting yokes.

A tidy and quick solution for impressive installations.

# Wall Bracket And Yoke Dimensions

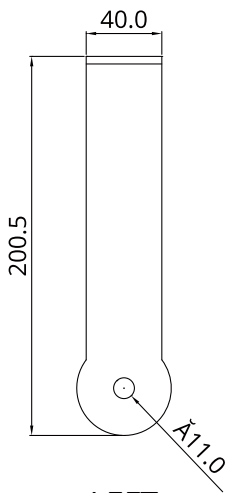


TOP

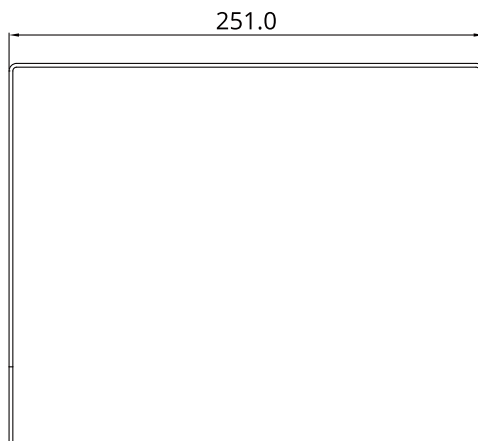


ISOMETRIC

**GPL-5 and GPL-5T**



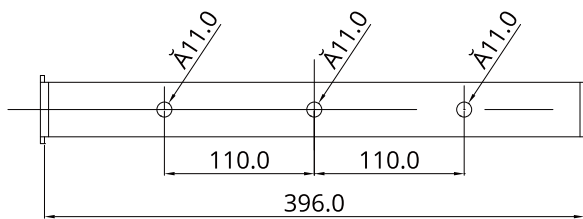
LEFT



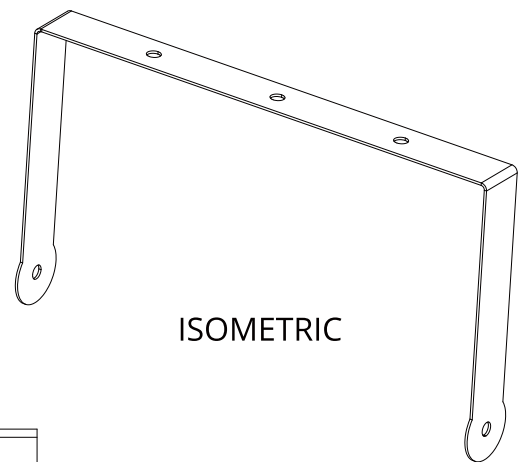
FRONT



RIGHT

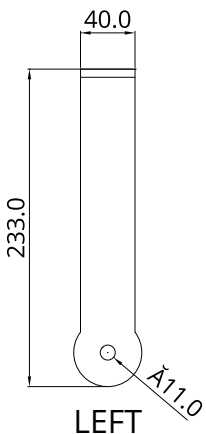


TOP

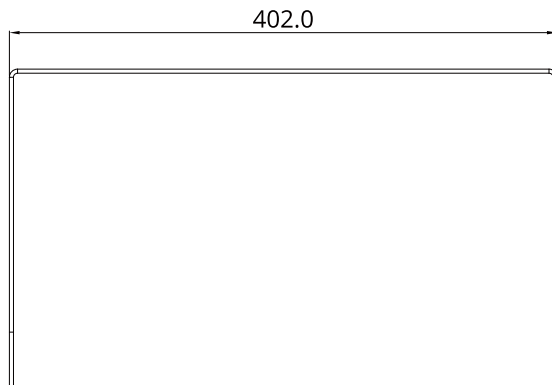


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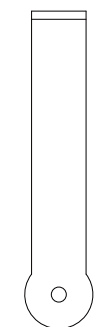
**GPL-8 and GPL-8T**



LEFT

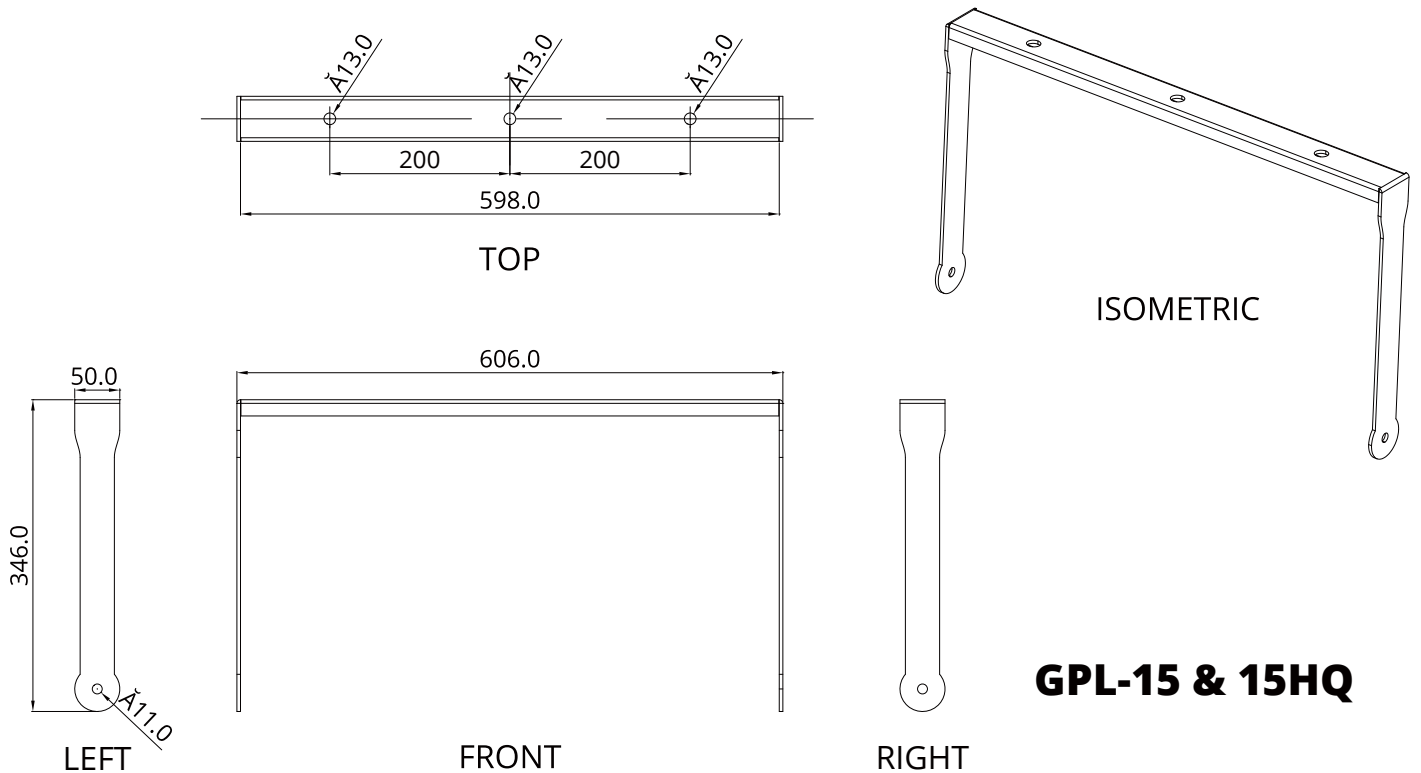
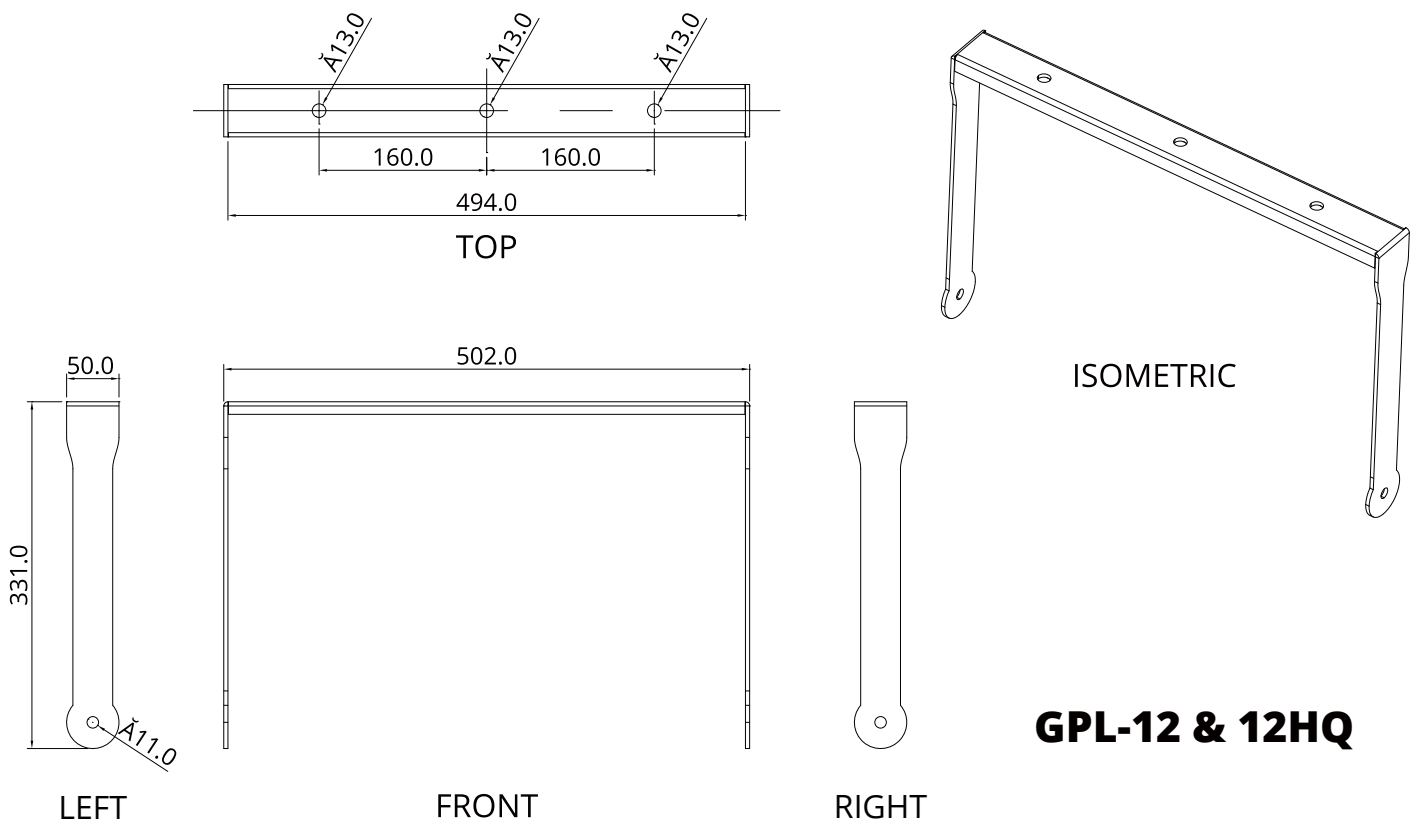


FRONT



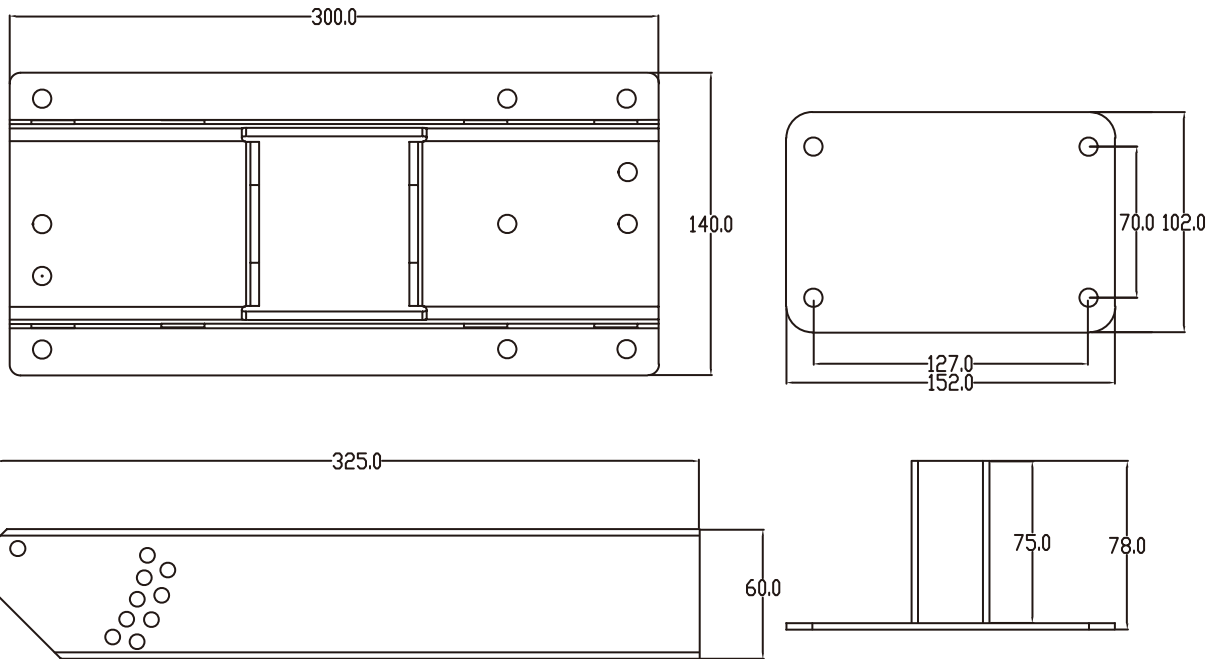
RIGHT

# Wall Bracket And Yoke Dimensions

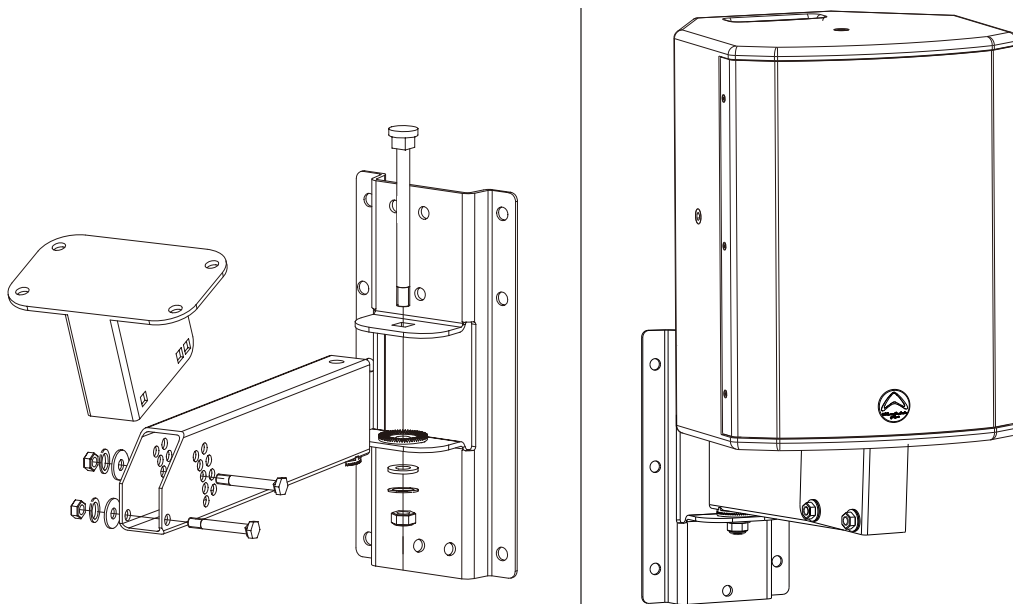


# Wall Bracket And Yoke Dimensions

## OPTIONAL WPB-1 PARTS AND SPECIFICATIONS

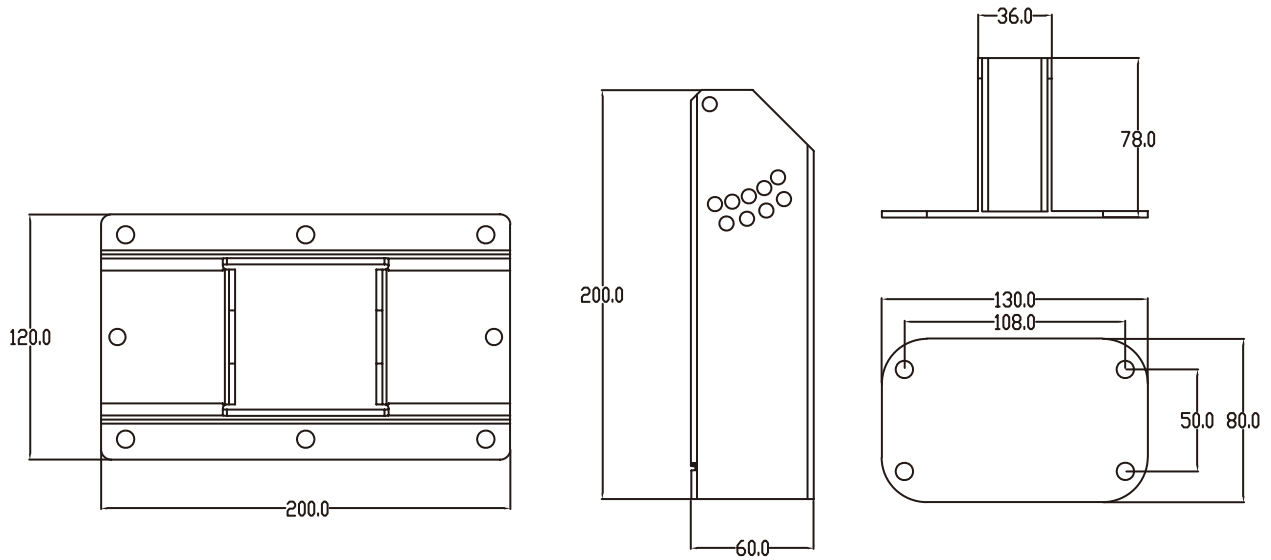


## WPB-1 ASSEMBLY

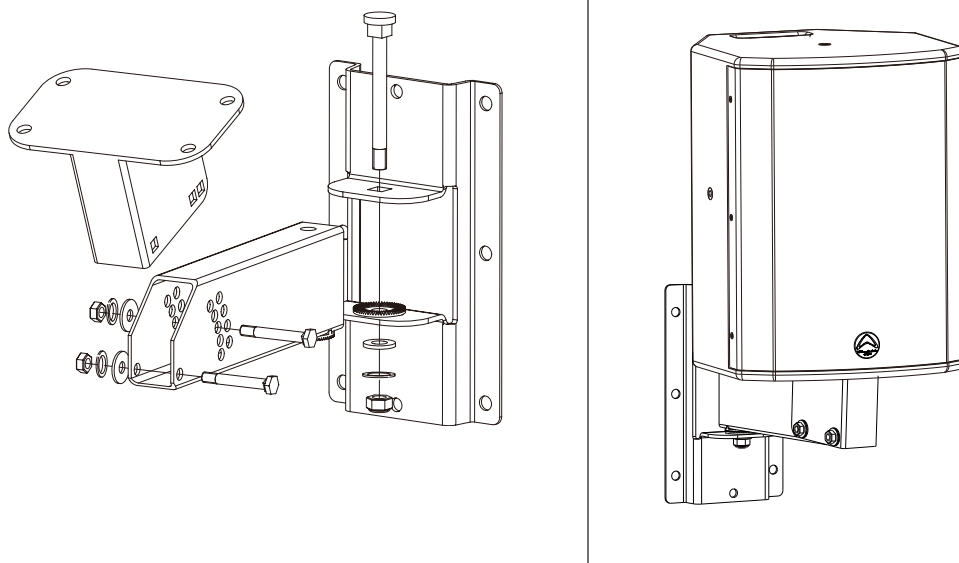


# Wall Bracket And Yoke Dimensions

## OPTIONAL WPB-3 PARTS AND SPECIFICATIONS



## WPB-3 ASSEMBLY



## **WHARFEDALE PRO LIMITED WARRANTY**

Wharfedale Pro products are warranted of manufacturing or material defects for a period of three years from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Pro dealer or distributor for information.

Please be aware that the warranty details may differ from country to country. Contact your dealer or distributor for information (available at [www.wharfedalepro.com](http://www.wharfedalepro.com)). These terms do not infringe your statutory rights.



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