



Wharfedale Pro

Your full user manual can also be downloaded from www.wharfedalepro.com

WLA-1 Series

QUICK START GUIDE

Model Name	WLA-112	WLA-115	WLA-121SUB
Design	Hybrid Curvature Array	Hybrid Curvature Array	Subwoofer
System Type	12" coaxial passive	15" coaxial passive	21" Subwoofer
Configuration	two-way	two-way	Single Subwoofer
Frequency Response (+/-3 dB)	55 Hz - 20 KHz	42 Hz - 20 KHz	25 Hz - 100 Hz
Frequency Range (- 10 dB)	35 Hz - 25 KHz	25 Hz - 25 KHz	18 Hz - 125 Hz
Sensitivity 2.83 V/1 m	101 dB	102 dB	103 dB*
Calculated Maximum SPL @ 1 m	133 dB	135 dB	141 dB*
System Peak SPL	139 dB**	141 dB**	147 dB**
System Rated Impedance	8 Ω	8 Ω	4 Ω
*			level at 1 m under half space conditions using pink noise with crest factor 2, with dedicated preset.
**	level at 1 m under free field conditions using pink noise with crest factor 4, with dedicated preset.	level at 1 m under free field conditions using pink noise with crest factor 4, with dedicated preset.	level at 1 m under half space conditions using pink noise with crest factor 4, with dedicated preset.
Low Frequency Transducer			
Size	312 mm / 12"	388 mm / 15"	545 mm / 21"
Voice Coil Size	101.6 mm / 4.0"	101.6 mm / 4.0"	101.6 mm / 4.0" QUATTRO (4 layers)
LF Frame Material	Aluminium	Aluminium	Aluminium
High Frequency Transducer			
HF Driver Type	Compression Driver	Compression Driver	/
Coil Size (mm / inches)	72.2 mm / 2.87"	72.2 mm / 2.87"	/
Exit Size (mm / inches)	38.1 mm / 1.5"	38.1 mm / 1.5"	/
Diaphragm Material	Composite titanium / polyester	Composite titanium / polyester	/
Waveguide Type	EVO-Fold®	EVO-Fold®	/
Nominal Coverage (HxV)	100° x 20°	100° x 20°	/
Special Features			
	Copper Demodulating rings in both LF and HF units		Aluminium demodulating ring
	Waterproof LF cone		Waterproof LF cone
	Shared High performing Ferrite magnet system design		Malt Cross® TCS
Power(AES2)			
System Continuous Power (W)	450	500	1600
System Programme Power (W)	900	1000	3200
System Peak Power (W)	1800	2000	6400
Crossover Frequency	1.2 KHz	1.2 KHz	100 Hz
Recommended HPF = BW 18 dB/oct.	30 Hz	25 Hz	20 Hz
Input Connector	2 x speakON compatible	2 x speakON compatible	2 x speakON compatible
Rigging & Hardware:	3 points for rigging	3 points for rigging	3 points for rigging
Vertical Splay angle range:	0° - 5° - 10° - 15°	0° - 5° - 10° - 15°	/
Horizontal Splay angle	15°	15°	/
Optional Accessories	WLA-1 Common Fly Frame	WLA-1 Common Fly Frame	WLA-1 Common Fly Frame
Optional Accessories	WLA-1 Link	WLA-1 Link	-
Stand pole:	Dual Angle -2.5° / +7.5°	Dual Angle -2.5° / +7.5°	M20 Pole mount
Handles:	2 side / 2 back	2 side / 2 back	2 side (4 pcs) + 2 (top / bottom)
Enclosure			
Cabinet Type	Trapezoid	Trapezoid	Rectangular
Enclosure Material and finish	15 mm plywood / Rhino Rock	15 mm plywood / Rhino Rock	18 mm plywood / Rhino Rock
Colour	Black paint	Black paint	Black paint
Grille Material & Finish	Powder coated perforated steel	Powder coated perforated steel	Powder coated perforated steel
Dimensions - Unpacked:			
Height Front	332 mm / 13.1"	408 mm / 16.1"	820 mm / 32.3"
Height Rear	246.4 mm / 9.7"	302 mm / 11.8"	/
Width	566 mm / 22.3"	566 mm / 22.4"	566 mm / 22.4"
Depth	465 mm / 18.3"	543 mm / 16.5"	760 mm / 29.9"
Dimensions - Packed:			
Height	661 mm / 26.0"	661 mm / 26.0"	895 mm / 35.2"
Width Front	550 mm / 21.7"	630 mm / 24.8"	656 mm / 25.8"
Width Rear	550 mm / 21.7"	630 mm / 24.8"	/
Depth	410 mm / 16.7"	490 mm / 19.3"	850 mm / 33.5"
Weight			
Net Weight	29.4 Kg	34.5 Kg	70.5 Kg
Gross Weight	31.8 Kg	37.5 Kg	76.5 Kg

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

Product Features

WLA-112

- 450 W Continuous
- 900 W Programme
- 1800 W Peak
- Impedance 8 Ω
- 12" Beyma coaxial driver
- EVO-Fold waveguide
- Dual Angle -2.5° / + 7.5° pole socket

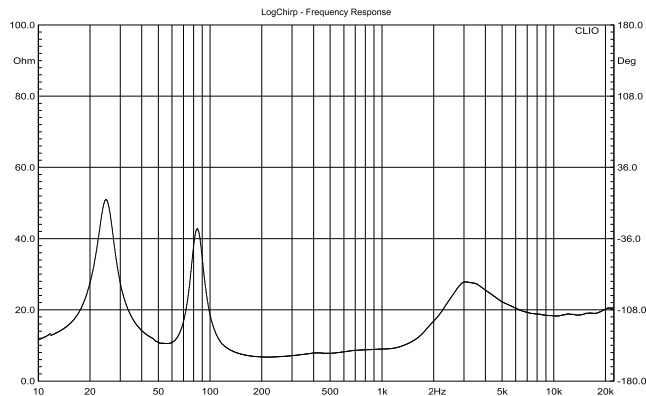
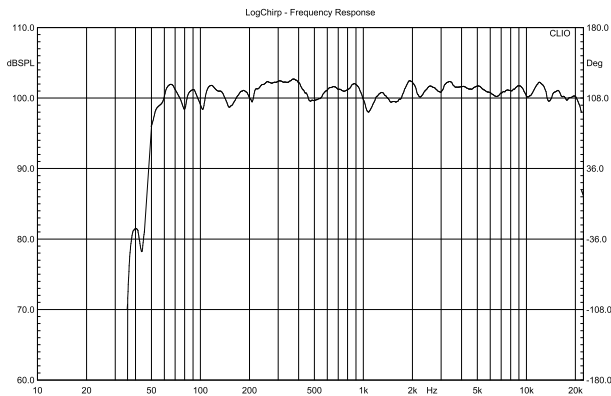
WLA-115

- 500 W Continuous
- 1000 W Programme
- 2000 W Peak
- Impedance 8 Ω
- 15" Beyma coaxial driver
- EVO-Fold waveguide
- Dual Angle -2.5° / + 7.5° pole socket

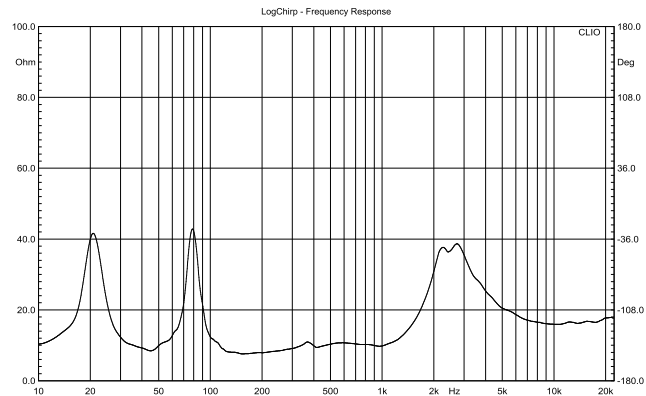
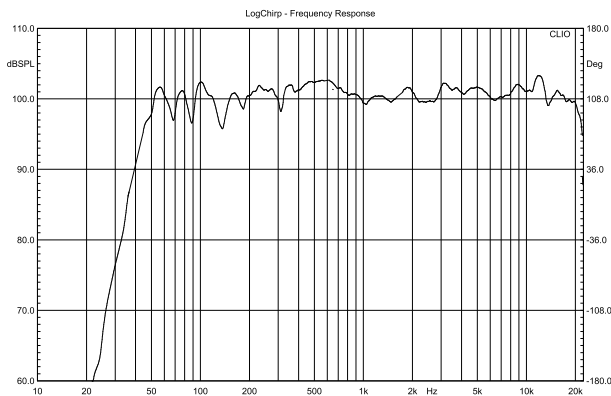
WLA-121SUB

- 1600 W Continuous
- 3200 W Programme
- 6400 W Peak
- Impedance 4 Ω
- 21" Beyma subwoofer driver
- M20 pole socket

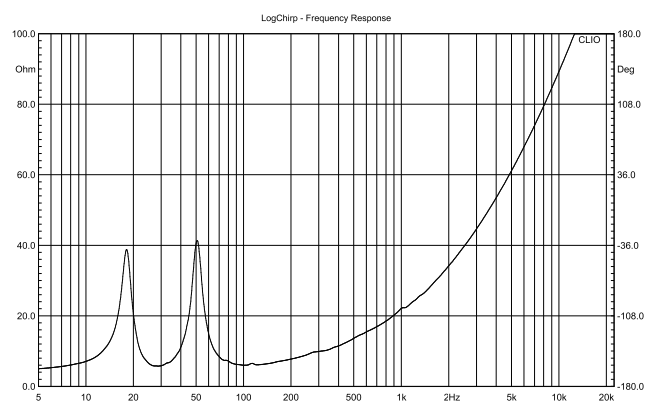
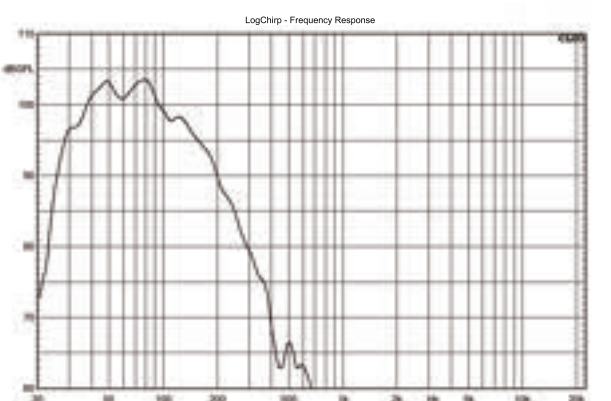
WLA-1 Series Response graphs



WLA-112



WLA-115



WLA-121SUB

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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). These terms do not infringe your statutory rights.



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