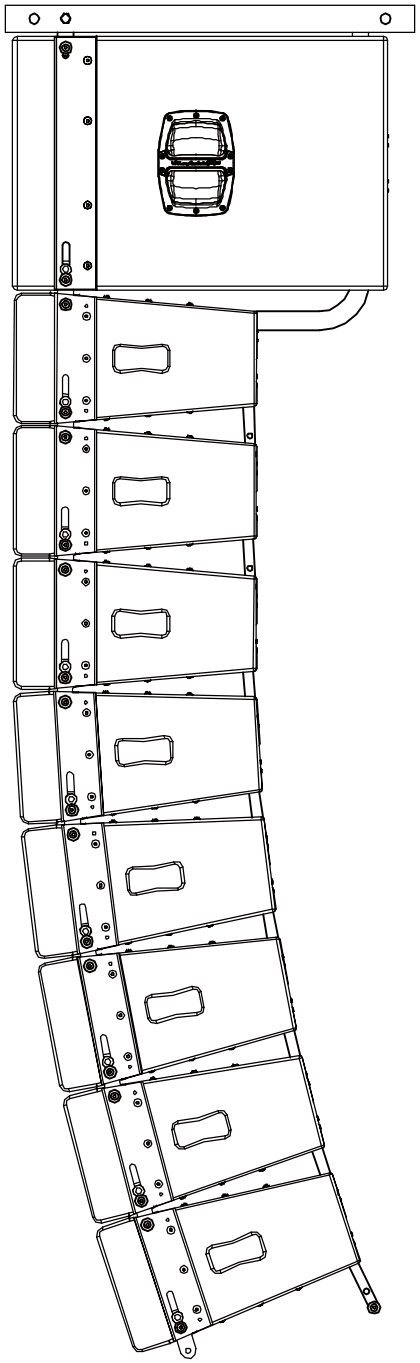
WLA-28F
WLA-28SUBF
WLA-28F Common Fly Frame

IPX6 Certified Line array series



www.wharfedalepro.com

IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

- Read these instructions
- Follow these instructions
- Keep these instructions for future reference
- Heed all warnings
- 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 your line array is flown. If there is any damage or distortion to any mounting hardware do not fly the array until any damaged hardware is repaired or replaced. Only use Wharfedale Pro supplied Quick release Pins, contact your Wharfedale Pro Distributor if any quick release pins are lost or damaged.

FEATURES

WLA-28F

- Dual 8” Passive line array
- IPX6 Waterproof Certification
- Wax wrapped components
- Anti-corrosion stainless steel hardware
- Waterproof input connectors
- System Continuous Power LF:400W HF: 90 W
- System Programme Power LF:800W HF: 180 W
- System Peak Power LF:1600W HF: 360 W
- Impedance 16Ω
- 15mm / 18mm Plywood construction

WLA-28SUBF

- Dual 15” Passive subwoofer
- IPX6 Waterproof Certification
- Wax wrapped components
- Anti-corrosion stainless steel hardware
- Waterproof input connector
- System Continuous Power 1200w
- System Programme Power 2400w
- System Peak Power 4800w
- Impedance 4Ω
- 18mm Plywood construction

WLA-28F Common Fly Frame

- Stainless steel construction
- Anti-rust materials
- Fly up to 8 WLA-28F elements plus a WLA-28SUBF
- Safety factor of 12
- For flying.....or ground stacking

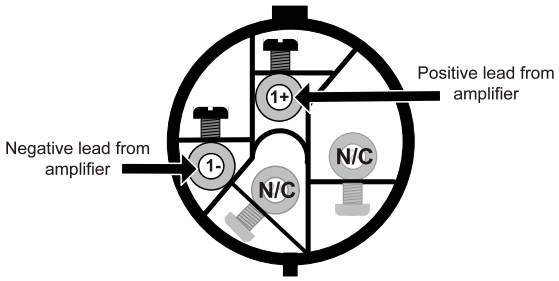
Other IPX6 rated products from Wharfedale Pro include.....

WLA-218BF - 2 x 18” subwoofer
WLA-15MF - 15” Floor monitor

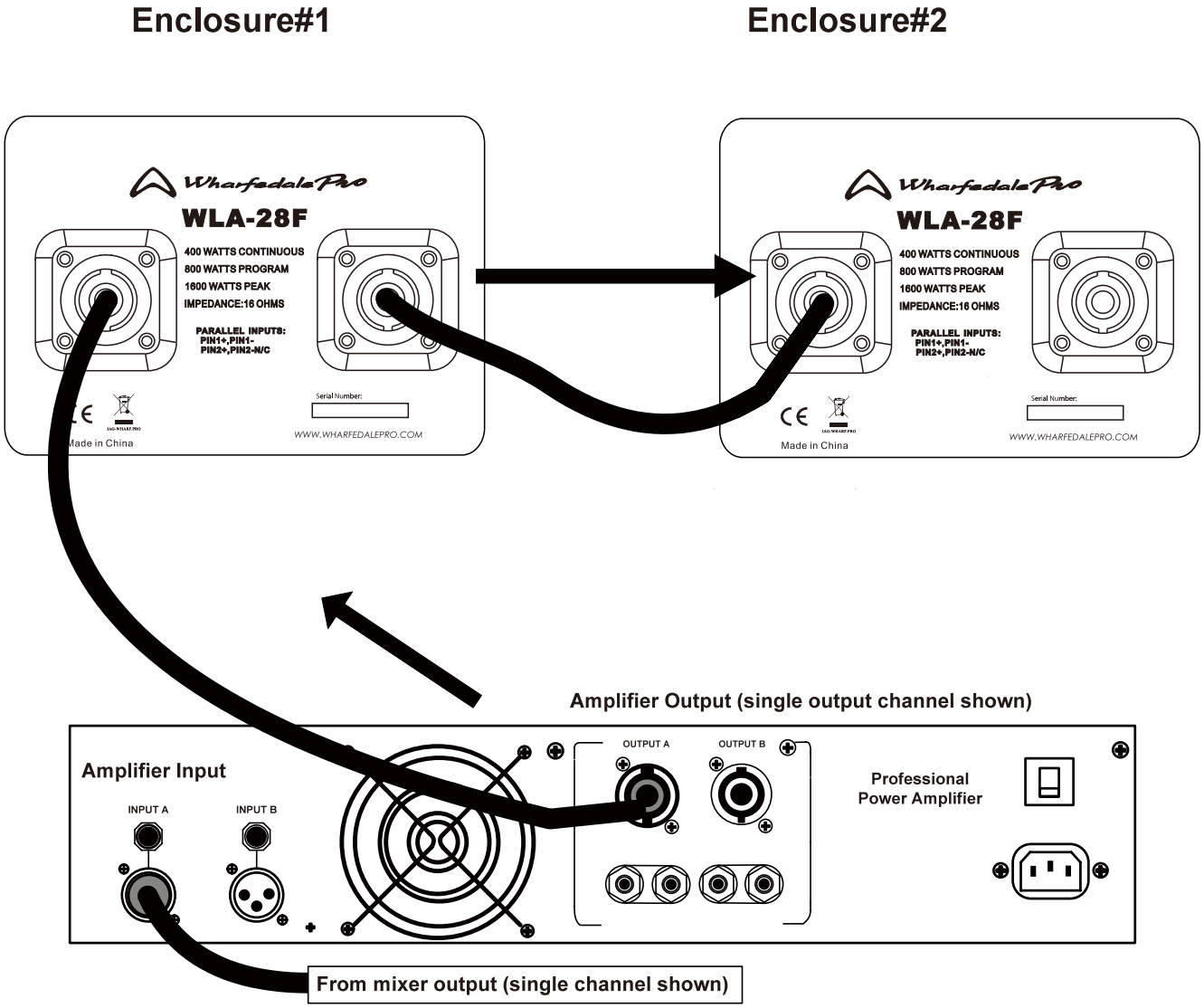
Wharfedale Pro also manufacture a wide range of power amplifiers and signal processors.
For recommended accessories, amplifiers and system diagrams please visit www.wharfedalepro.com

CONNECTIONS

PIN 1	LF Positive
PIN 2	LF Negative
PIN 3	Not connected
PIN 4	Not connected



WLA-28F PARALLEL WIRING

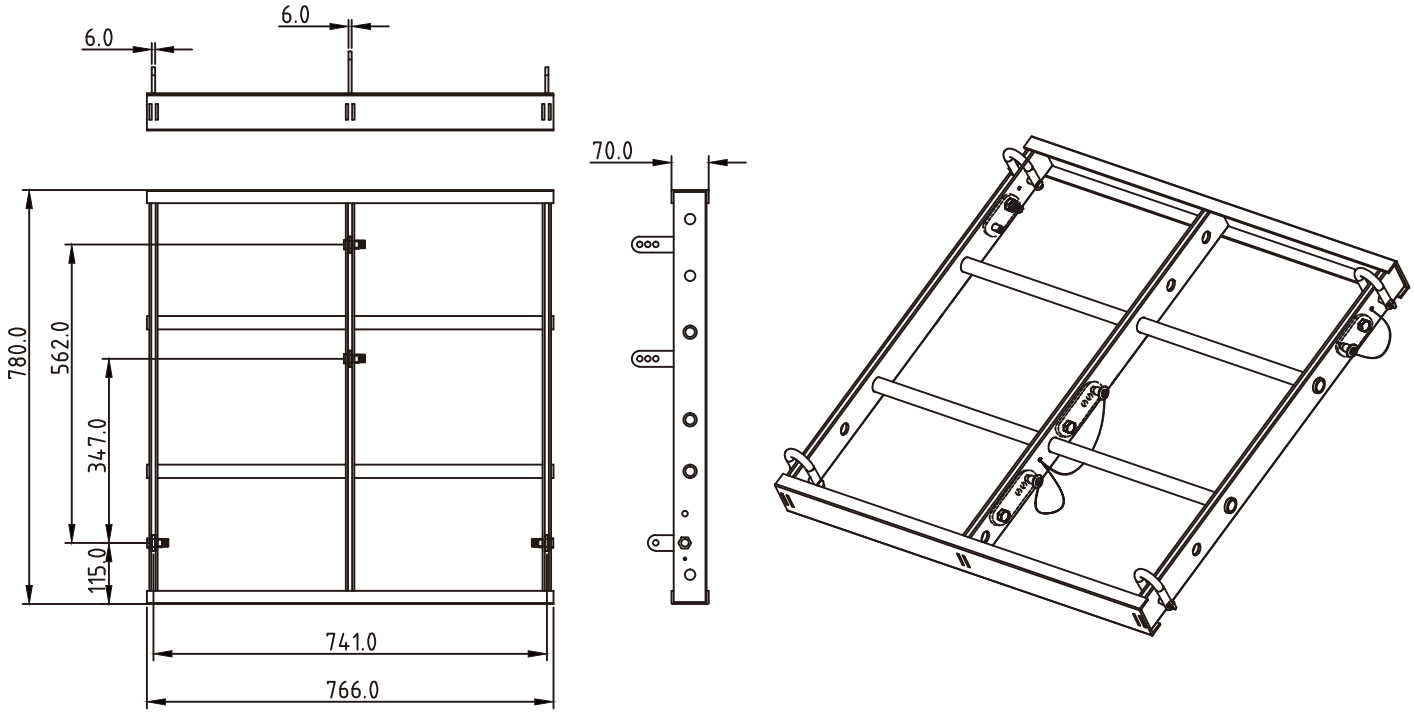


CONNECTIONS

The WLA-28F Common Fly Frame is certified to hold a total weight (including third party hardware) of 450KG.

Up to 8 x WLA-28F and 1 x WLA-28SUBF elements can be flown with a safety factor of 12.
Only use the Wharfedale Pro WLA-28F Common Fly Frame. Ensure that only rated, certified hardware such as turnbuckles, shackles and chains are used.

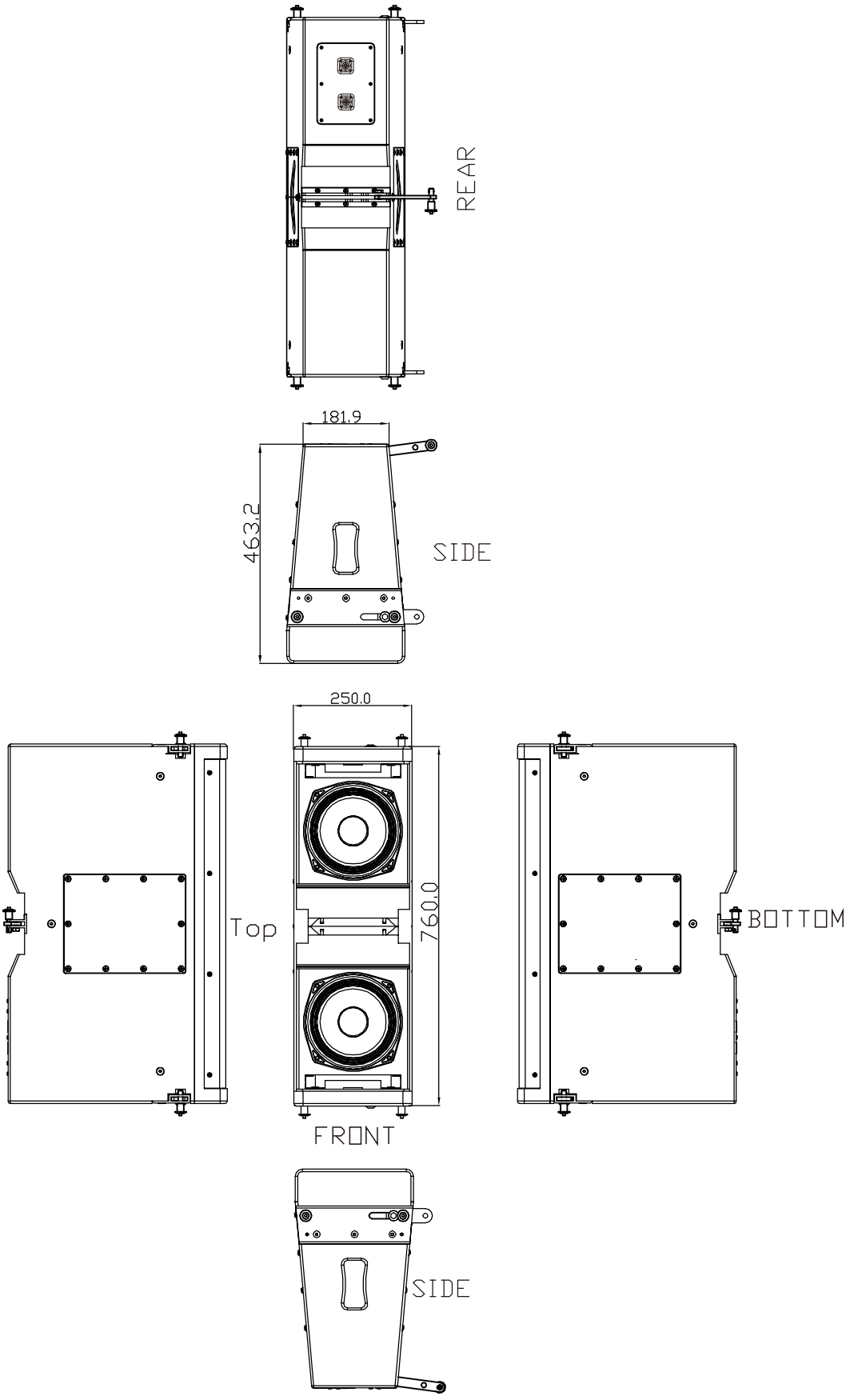
Ensure that all truss, structures and flying hardware are capable of suspending the entire array, plus flying hardware, to a suitable safety factor



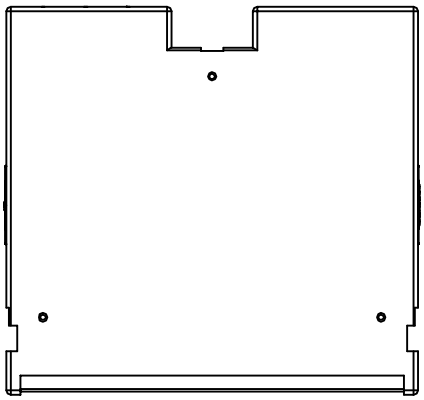
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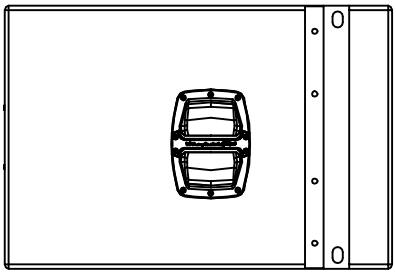
DIMENSIONAL DRAWINGS - WLA-28F



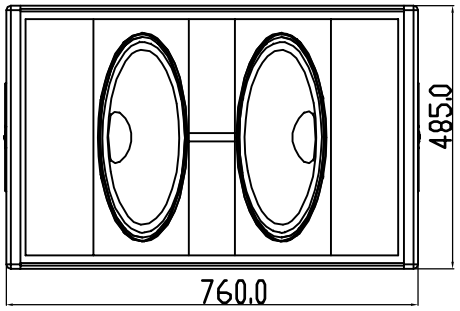
DIMENSIONAL DRAWINGS - WLA-28SUBF



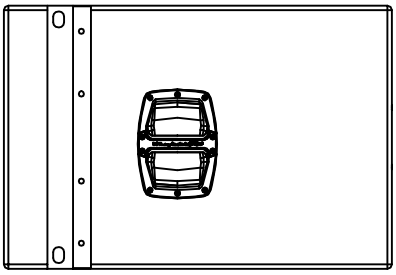
TOP



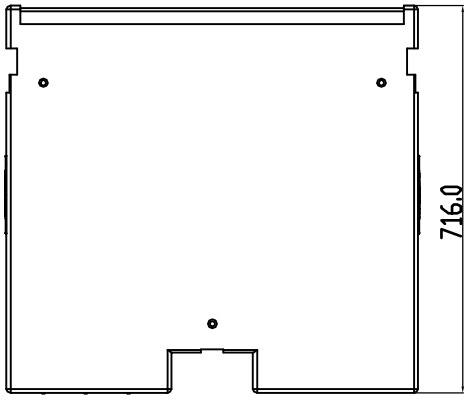
SIDE



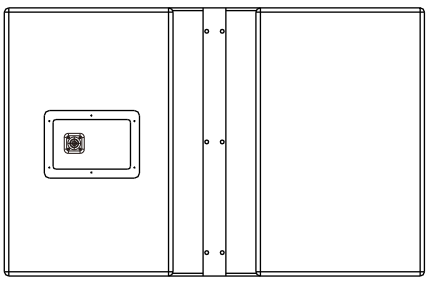
FRONT



SIDE

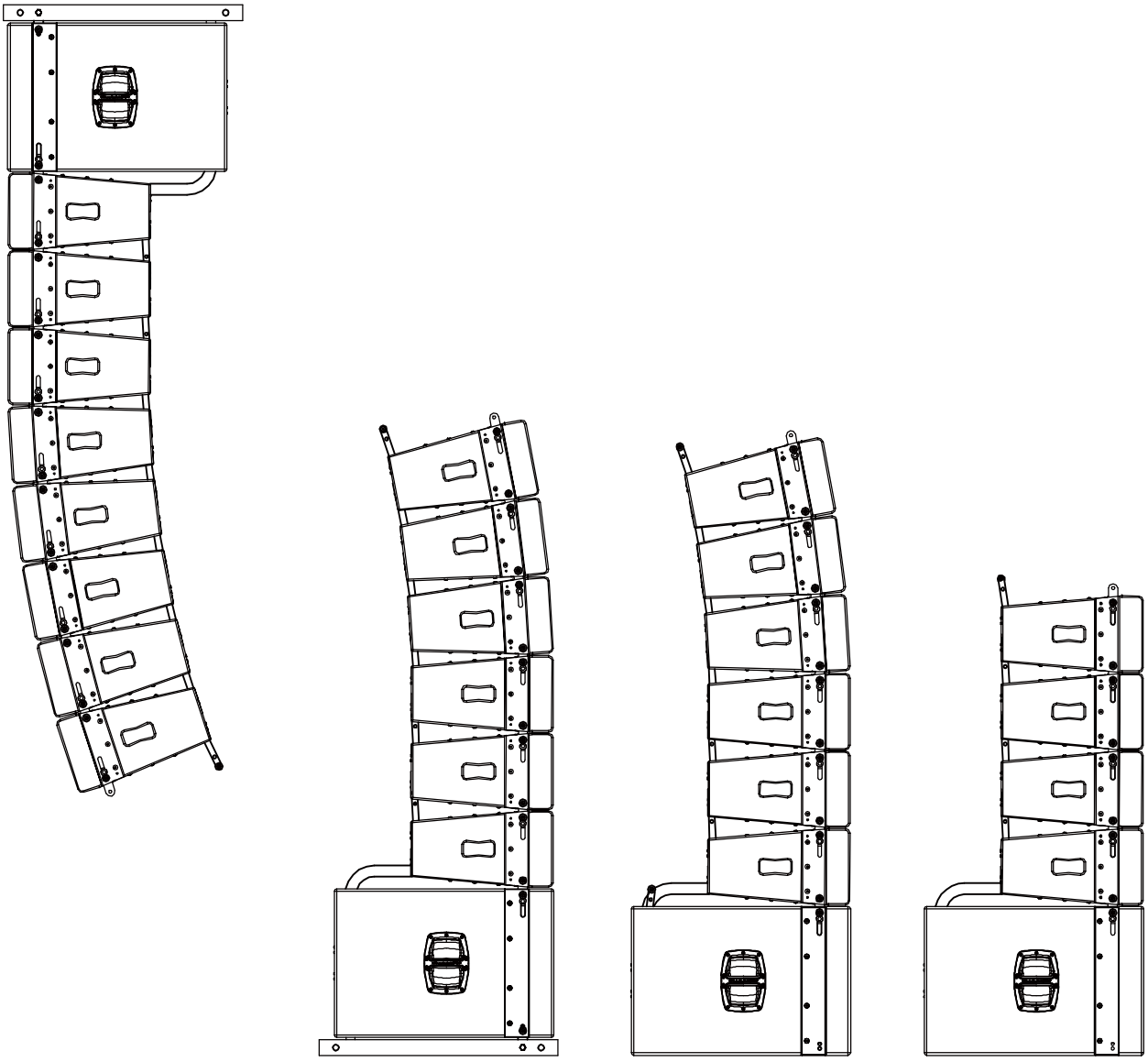


BOTTOM



REAR

EXAMPLE ARRAYS



OPTIMISED GROUND STACKING

WLA-28F rigging doubles up as an optimised ground stacking system, using the WLA-28SUBF subwoofer as a base. The array of WLA-28F line array elements can be aimed downwards by as much as 10° to cover audience areas close to a stage, as well as upward by as much as 10° in order to better cover distant balcony seating areas.

SPECIFICATIONS

Model Name	WLA-28F	WLA-28SUBF
System Type	Passive IPX6 waterproof	Passive IPX6 waterproof
Configuration	Two-way 2 x 8”	2 x 15" subwoofer
Frequency Response (+/-3dB)	65Hz - 20kHz	39Hz - 900kHz
Frequency Range (-10dB)	60Hz - 20kHz	35Hz - 1.5kHz
Sensitivity (2.83v/1m)	101dB	108dB
Calculated Maximum SPL @1m	133dB	145dB
System Rated Impedance	16Ω	4Ω
Low Frequency Transducer		
Size	2 x 203.2mm / 2 x 8"	2 x 381mm / 15"
Voice Coil Size	51.6mm / 2.0"	100mm / 4.0"
Rated Impedance	2 x 8Ω	2 x 8Ω
LF Power (re:AES2-2012)	2 x 200W	2 x 600W
High Frequency Transducer		
HF Driver Type	Compression Driver	-
Voice Coil Size	75mm / 3.0"	-
Exit Size	35.6mm / 1.4”	-
Diaphragm Material	Titanium	-
Rated Impedance	16Ω	-
HF Power (re:AES2-2012)	90W	-
Nominal Coverage (H x V)	100° x 10°	-
Power		
System Continuous Power	LF:400W HF:90 W	1200W
System Programme Power	LF:800W HF:180 W	2400W
System Peak Power	LF:1600W HF:360 W	4800W
Crossover frequency	1.7kHz	No
Operational Modes:	No	No
Input Connector	2 x Neutrik NLT4 MP BAG	1 x Neutrik NLT4 MP BAG
Hardware	Integral side plate adjustable rigging 0°-10°	Integral, non adjustable
Enclosure		
Enclosure Material	15mm,18mm Plywood	18mm Plywood
Finish	Waterproof Black Paint	Waterproof Black Paint
Grille Material & Finish	1.5mm Black Aluminium	3.0mm Black Aluminium
Dimensions - (Unpacked)		
Height Front/Height Rear	250mm / 9.84" 181mm / 7.1"	485mm / 19.1"
Width Front	760mm / 29.92"	760mm / 29.9"
Width Rear	760mm / 29.92"	760mm / 29.9"
Depth	463.2mm / 18.23"	716mm / 28.2"
Dimensions - (Packed)		
Height	320mm / 12.6"	575mm / 22.6"
Width Front	830mm / 32.7"	850mm / 33.5"
Width Rear	830mm / 32.7"	850mm / 33.5"
Depth	534mm / 21.0"	806mm / 31.7"
Weight		
Net Weight (kg / lbs)	28.5kg / 63.8bs	62.2kg / 134.6lbs
Gross Weight (kg / lbs)	31.0kg / 69.3lbs	70.2kg / 145.2lbs

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of one year 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.

Wharfedale Professional
IAG House 13/14 Glebe Road Huntingdon Cambridgeshire PE29 7DL UK
www.wharfedalepro.com

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January 2020