



NEW PRODUCT INFORMATION

WLA-312X

Three-way line array

WLA-312X is an advanced **three-way** line array speaker system capable of handling vast amounts of power - while remaining sonically clear, precise and accurate. Rated at 1410 W AES (RMS) per cabinet and boasting highly efficient custom Wharfedale Pro drivers, the WLA-312X can deliver an astonishing 138 dB Max SPL @ 1 meter.

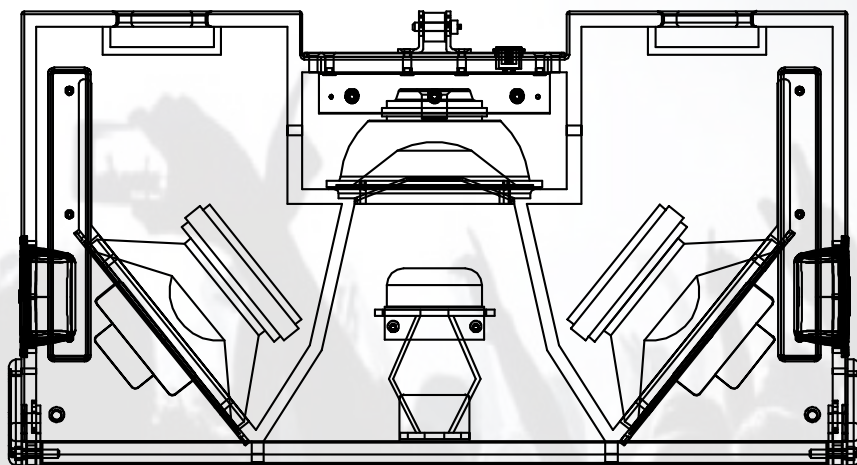
Custom WP drivers have been selected to ensure that this series not only has the power you would expect, but the three-way configuration brings a new sonic dimension and definition.

With dual 12" woofers, a single 10" midrange driver and dual 2.55" compression drivers, the WLA-312X has everything needed for large venue coverage. In addition, there is no need to fly subwoofers within the array - the WLA-312X has already got plenty of low-end punch.

The WLA-312X is designed to be controlled and tuned with either a Wharfedale Pro Versadrive signal processor or a DP-D series amplifier. Either of these DSP systems deliver full signal routing and processing to maximise the power and sonic effect of the WLA-312X array.

With full steel grilles, multiple handles and 3 fly frame rigging points, WLA-312X is well suited for touring and for hard work on the road.

The accompanying WLA-312X Fly frame is solid! Constructed of A3 steel it can hold up to 900 kg (that's up to 12 pcs of WLA-312X) with a safety factor of 12.



1410 W AES (RMS) 2820 W Programme 5640 W Peak

WHEN IS IT AVAILABLE?

WLA-312X

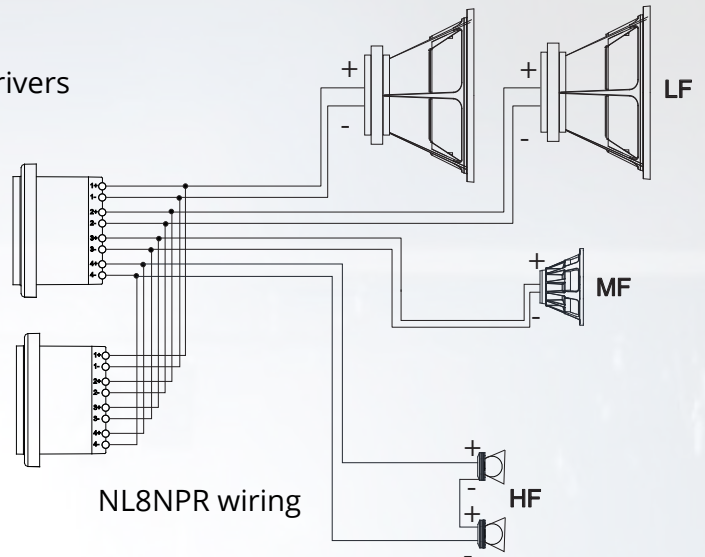
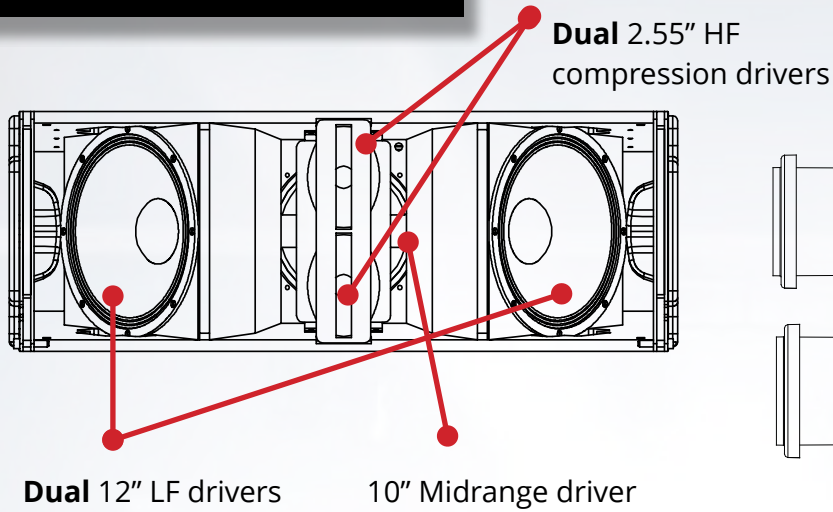
WLA-312X Fly Frame

Shipping from **OCTOBER 2020**

WHAT MAKES IT GREAT?

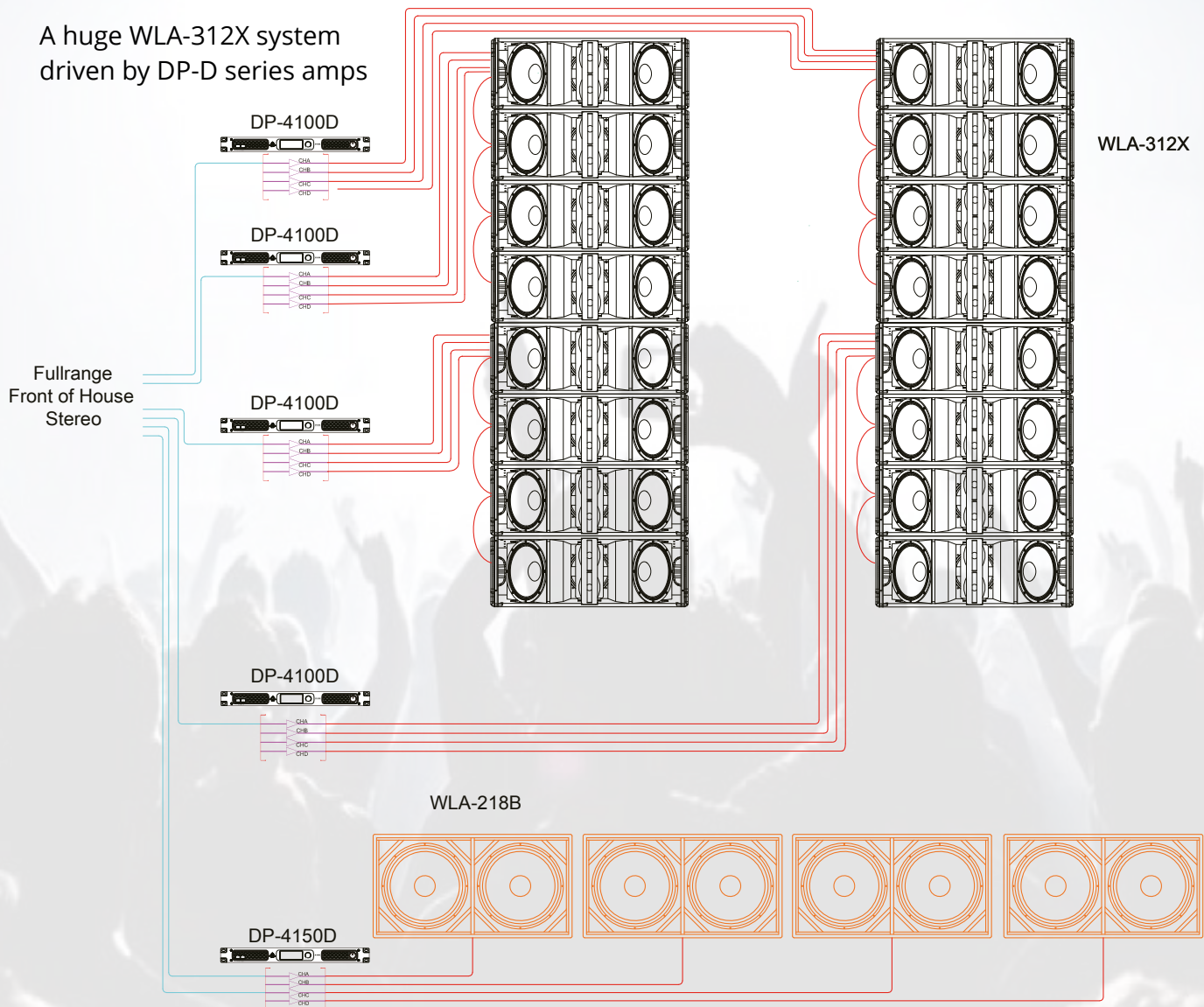
- ✓ Three-way line array element
- ✓ 2 x 12" LF drivers
- ✓ 1 x 10" Neo Midrange driver
- ✓ 2 x 2.55" Neo HF compression drivers
- ✓ Fly frame to support up to 12 elements (900 kg)

CONFIGURATION



EXAMPLE SETUP

A huge WLA-312X system driven by DP-D series amps



SPECIFICATIONS



Model Name	WLA-312X
System Type	Passive
Configuration	three-way
Frequency Response (+/-3 dB)	50-18 kHz
Frequency Range (-10 dB)	40-20 kHz
Sensitivity 2.83 v / 1 Meter	HF:114 dB/MF:105 dB/LF:102 dB
Calculated Maximum SPL @ 1 Meter	HF:142 dB/MF:136 dB/LF:138 dB
Low Frequency Transducer	
Size (mm / inches)	313mm / 12"
Voice Coil Size (mm / inches)	75.5mm / 3"
LF Magnet Material	Ferrite
LF Frame Material	Aluminium
Rated Impedance	2 x 8Ω
LF Power re:AES2-2012	2 x 450 W
Mid Frequency Transducer	
Size (mm / inches)	260mm / 10"
Voice Coil Size (mm / inches)	65mm / 2.55"
MF Magnet Material	NdFeB
MF Frame Material	Aluminium
Rated Impedance	16 Ω
MF Power re:AES2-2012	350 W
High Frequency Transducer	
HF Driver Type:	Compression Driver
Coil Size (mm / inches)	65mm / 2.55"
Exit Size (mm / inches)	1.4"
HF Magnet Material	NdFeB
Diaphragm Material	Titanium
Rated Impedance	16 Ω (2 x 8 Ω)
HF Power re:AES2-2012	160 W (2 x 80 W)
Waveguide Type	square
Nominal Coverage (H x V)	90H x 7.5V
Nominal Impedance	16 Ω
Power	
System Power AES (RMS) (w)	HF:160 W/MF:350 W/LF:900 W
System Programme Power (w)	HF:320 W/MF:700 W/LF:1800 W
System Peak Power (w)	HF:640 W/MF:1400 W/LF:3600 W
Crossover frequency	160 Hz / 1.2 kHz
Input Connector	2 x Neutrik NL8MPR
Rigging	3 points for rigging
Pole mount	No
Handles	Yes
Cabinet type	Trapezoid
Enclosure Material and finish	15 mm,18 mm plywood
Colour Options	black paint
Grille Material & Finish	steel
Dimensions - Unpacked	
Height	370 mm
Width Front	1030 mm
Width Rear	279 mm
Depth	550 mm
Dimensions - Packed	
Height	1095 mm
Width Front	480 mm
Width Rear	480 mm
Depth	650 mm
Weight	
Net Weight	58 kg
Gross Weight	62 kg



Errors and omissions excepted (E&OE) : Wharfedale Pro : 2020

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