

## LAT series passive Line array loudspeaker specification

Title	Specification					
System Type	TWO way full range line array system			Bass line array		
Products Model:	LAT208	LAT210	LAT212	LAT118S	LAT215S	LAT218S
LF driver unit Inch(aluminium frame) Voice Coil Dia	2 x 8" (φ65mm) ferrite	2 x 10" (φ75mm) ferrite	2 x 12" (φ100mm) ferrite	1 x 18" (φ100mm)	2 x 15" (φ100mm)	2 x 18" (φ100mm)
HF-Compression drivers	1x 1.7"(44mm ) neodymium	1 x 3"(75mm) neo	1 x 3"(75mm) neo	/	/	/
Directivity Dispersion patented loaded Horn. Exit throat Size	1"(25mm)throat	1.5"(38mm)throat	1.5"(38mm)throat	/	/	/
Dispersion Angle (H * V)	H90°x 8°Vertical splay Angle Varies with array size configuration			/	/	/
System Performance Section						
RatedPower/RMS(Continuous/Program)	700W /1400W	800W /1600W	1000W /2000W	600W/1200W	1000W/2000W	1200W/2400W
LF Rated power /RMS	600 W	700W	900W	600W	1000W	1200W
HF Rated power /RMS	60 W	80W	100W			
Nominal Impedance LF	LF 8OhmX2	LF 8OhmX2	LF 8OhmX2	8 Ohm	8 Ohm parallel	8Ohm parallel
HF	HF 8ohm	HF 8ohm	HF 8 ohm			
LF Sensitivity (SPL )Nominal1w/1m	LF 96dB	LF 98dB	LF 98dB	LF 98dB	LF 99dB	LF 99dB
HF Sensitivity (SPL )Nominal	HF108dB	HF109dB	HF110dB			
LF Nominal Peak SPL at 1m	LF 118dB	LF 125dB	LF 127dB	LF 128dB	LF 129dB	LF 129dB
HF Nominal Peak SPL	HF126dB	HF132dB	HF134dB			
Frequency Response( ±3dB)	85Hz - 19KHz	82Hz - 19KHz	64Hz - 19KHz	55Hz - 220Hz		
Usable Range at-6dB	75Hz - 20KHz	73Hz - 20KHz	58Hz - 20KHz	50Hz - 250Hz		
Crossover Frequency point	1.9 KHz Passive	1.8 KHz Passive	1.7 KHz Passive	150 Hz		
BIA-amp Nominal Impedance	16Ohms			8 Ohms	4Ohms	4Ohms
Harmonic distortion				≅ 0. 05%		
Appearance Section						
Input Connector <b>Passive</b>	2*NL4 Speakon ( Input Pin±1=±1LF , Pin±2= ±2HF)			2 *NL4 Speakon Input Pin±1=±1LF,Pin±2= N/C		
Outlook Colours	Black					
Protective Grille	Perforated steel grille					
Appearance	Textured Polyurethane painted finished					
Enclosure material	Baltic Birch 15&18 mm Multi-laminate Plywood finished					
Rigging -Flyings Handle	2 integrated cabinet handle					
Suspension (Top frame)	Suspension requires optional LAT line-array Top frame kit , hardware & Pin					
Dimensions Section						
Dimension W*D*H (mm)	590x340x280	920x460x380	920*460*380	590x 390x 480	740x460x430	800*480*450
Shipping Dimensions (mm)	670x420x340	980*520*440	990*540*450	650x 560x 580	820x540 x 510	880*550*530
Net Weight (1pcs)	23kg	39 kg	49kg	51kg	60kg	69kg
Shipping Weight (1pcs)	25 kg	42 kg	53kg	54kg	65kg	75kg
<b>Recommend combo Systems:</b>	Right side: 8pcs full range + 2pcs sub + 1pcs top frame. Left side: 8pcs full range + 2pcs sub + 1pcs top frame					

COMMENT: As part of a policy of continual improvement, ACLON reserves the right to change specifications without notice.



#### KEY FEATURES:

- > Ultra-compact two-way line array system was designed to match the demands for easy setup and transportation combined with the perfect sonic results in variety of venue sizes.
- > Clarity, impact and precision for live music, whether they be mobile or fixed installed, these performance provide users with dynamic sonic sound and unparalleled convenience.
- > Dual 8 .10. 12 inch, Two-way higher efficiency, weather-resistant,multipurpose enclosure, powder coated steel grill.
- > High Power capability with dynamic protection
- > Perfect coupling and predictable coverage to suit many audience geometries  $-(90^{\circ} \times 1^{\circ} \text{ to } 8^{\circ})$ ,deliver accurately focused sound.
- > Ergonomic, fast and captive rigging system, 2 Speakon Connectors - for quick, secure audio input setup.
- > Passive input signal way,Plug and play package, quick set-up and easy stacking and flying rigging.

#### APPLICATIONS.

- .Theater places expand sound systems.
- . High efficiency Touring FOH system.
- . The bigger club sound reinforcement systems.
- . Audio & video presentations sound systems.
- . Fixed Installations system and Live sound reinforcement