SRX906LA

Dual 6.5-inch Powered Line Array Loudspeaker



HIGHLIGHTS

BEST-IN-CLASS PERFORMANCE

JBL transducer technology delivers class-leading sonic performance and superior dynamic range.

INNOVATIVE ACOUSTIC DESIGN

Innovative two-way design integrates LF and HF components onto a single unified horn for seamless horizontal coverage.

POWERED SOLUTION

Onboard Class-D amplification and DSP provide optimum performance and consistency anywhere in the world.

COMPLETE SYSTEM

The SRX900 Series is a complete solution featuring full-range products, subwoofers, accessories, and software.

The SRX906LA is a compact, two-way, powered line array element that can cover a variety of small to midsize applications, including rental houses, touring artists, DJs, and installations. Built-in DSP and amplification offer a plug and play experience while providing consistency and optimum performance anywhere in the world. JBL transducers and a new acoustic design provide excellent sound fidelity and best-in-class maximum SPL. The product features dual 6.5-inch neodymium Differential Drive® woofers and a three-inch compression driver. The computer-optimized enclosure is made out of composite material and offers excellent performance while remaining compact and lightweight. An innovative three-point rigging system and a full set of accessories allow systems to scale and solve the diverse needs of production companies and installation houses. A full-featured software package gives users control of the system on various platforms, including Windows, macOS, and iPad OS.

KEY MESSAGES

ACOUSTIC DESIGN

At the heart of the SRX900 Series acoustic design is JBL's proprietary Radiation Boundary Integrator, adapted from the groundbreaking VTX Series of line array loudspeakers. The RBI device mounts both the high and low frequency transducers on a single horn, improving horizontal directivity while reducing cabinet size. Precisely placed low frequency projection apertures work in tandem with the high frequency horn to seamlessly integrate the three symmetrically mounted drivers. The unusually large horn extends low frequency control and reduces unwanted energy behind the array.

POWERED SOLUTION

The fully integrated built-in amplifier and DSP are based on proven JBL technologies and explicitly packaged to fit the needs of the SRX900 Series. The DSP includes everything needed to optimize a system, including 24 user-adjustable filters, 2,000 ms of delay, and advanced features like Array Size Compensation and FIR-based Throw Distance Correction filters.

PRO BUILD QUALITY, INSIDE AND OUT

SRX900 Series line array loudspeakers are housed in FEA-optimized composite enclosures that offer excellent size-to-weight ratio and increased internal volume. CAD-optimized structure stiffeners control flexing, resulting in a rigid, lightweight enclosure. Speakers are designed for a clean, modern look, with enclosed side panels and integrated handles.

VERSATILE AND SCALABLE

The SRX900 Series offers a complete system solution, including speakers, subwoofers, accessories, and software that support a variety of configurations and simplify storage, transport, and rigging. Because systems are scalable, it's easy to start with a small system and add components over time. All SRX900 products have been designed to work seamlessly with other JBL tour sound products, with common voicing targets and phase characteristics that ensure systems combine coherently.

TECHNICAL SPECIFICATIONS

ACOUSTICAL

Frequency Range	
(-10 dB) :	63 Hz-17 kHz (array preset)
(-3 dB) :	70 Hz-15 kHz (array preset)
Coverage Pattern (-6 dB)	
Horizontal :	120 degrees nominal (500 Hz-16 kHz)
Vertical :	Varies with array size and configuration
Maximum Peak Output[1] :	134 dB SPL (Array preset, full-range)
System Type :	Line Array, two-way powered

TRANSDUCERS

Low Frequency :	(2) JBL 2186G, 6.5 in diameter, dual 2.0 in diameter voice coil, neodymium Differential Drive®
High Frequency :	(1) JBL 2432H-3, 1.5 in exit neodymium compression driver with 3 in voice coil

AUDIO INPUT

Input Type :	Balanced line level
Connectors :	(2) Neutrik XLR (IN/OUT)
Nominal Input Sensitivity :	+6 dBu (system starts limiting with broadband noise and music)
Maximum Input Level :	+21 dBu
Input Impedance :	100 kΩ

AMPLIFIER

Type :	Class-D	
Number of Channels :	(2)	
Continuous Power[2] :	600 Watts	LF: 400 Watts | HF: 200 Watts
Peak Power[3] :	880 Watts	LF: 580 Watts | HF: 300 Watts
Cooling Type :	Convection, external aluminum heat sink, internal on-demand fan	

DSP

Sample Rate :	48 kHz
Bit Depth :	24 bit

USER INTERFACE

Type :	LCD, encoder, Back button, (4) LED Indicators (3 single, 1 bi-color)

Footnotes:
1: Peak SPL, unweighted, measured under **full-space** conditions at 1 meter using broadband pink noise with a 12 dB crest factor and specified preset.
2: Bench power: ≥1 sec, 1 kHz, 120 VAC, no DSP, all channels driven.
3: Burst power: ≥20 ms, 1 kHz, 120 VAC, no DSP, all channels driven.

NETWORKING

Type :	TCP/IP
Protocol :	Harman HControl
Speed :	Dual 100 Mbps ports
Connectors :	(2) Neutrik etherCON®

AC POWER

Voltage Range	
Nominal :	100-240 VAC, 50/60 Hz
Limits :	80-260 VAC, 50/60 Hz
Connectors :	Dual (IN/OUT) Neutrik powerCON TRUE1®

CURRENT DRAW

	100 V	120 V	208 V	240 V
Standby :	0.2 A	0.1 A	0.1 A	0.1 A
Idle :	0.3 A	0.3 A	0.2 A	0.2 A
Continuous[4] :	1.6 A	1.4 A	0.8 A	0.8 A
Maximum Instantaneous Peak[5] :	7.1 A	6.4 A	3.6 A	3.1 A
Peak Inrush[6] :	1.8 A	2.1 A	3.7 A	4.4 A

PHYSICAL

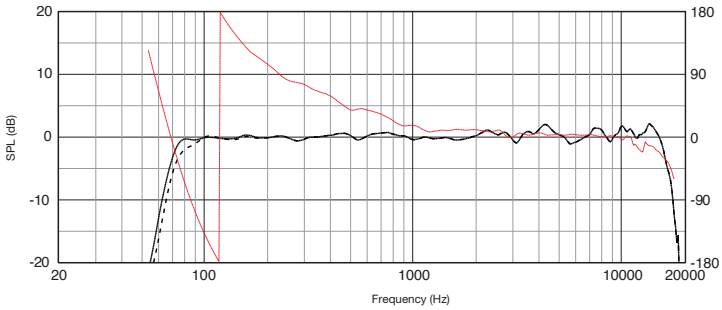
Enclosure :	Polypropylene, four integral recessed handholds
Color :	Black | RAL9005
Environmental Specifications :	IP54[7] | IEC 60529 ASTM B117 ASTM G154
Suspension :	Three-point captive suspension plates, quick release pins, steel with anti-corrosion coating
Inter-enclosure Angle (deg) :	0.5, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Grille :	Powder coated 1.5 mm (16 gauge) hex perforated steel with acoustically transparent black cloth backing
Dimensions (H x W x D) :	243 mm x 507 mm x 420 mm 9.5 in x 19.9 in x 16.5 in
Net Weight :	16.8 kg (37 lbs)
Shipping Weight :	19.4 kg (43 lbs)

ORDERING INFORMATION

SKU :	JBL-P3230MX | SRX906LA for Global JBL-P3246MXCN | SRX906LA for China
Included :	(1) SRX906LA | (1) Neutrik NAC3F-TRUE1-S | (1) Neutrik NAC3M-TRUE1-S

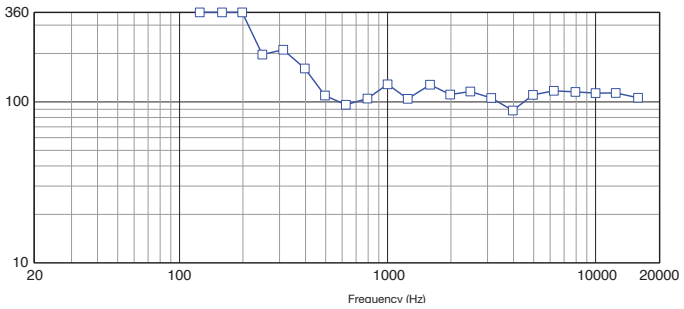
ACOUSTIC MEASUREMENTS

FREQUENCY RESPONSE



SRX906LA FL SRX906LA FL 80 SRX906LA Phase

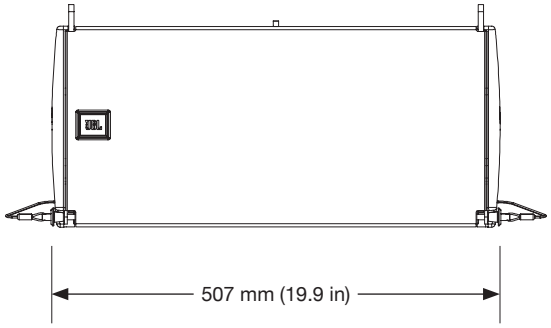
BEAMWIDTH



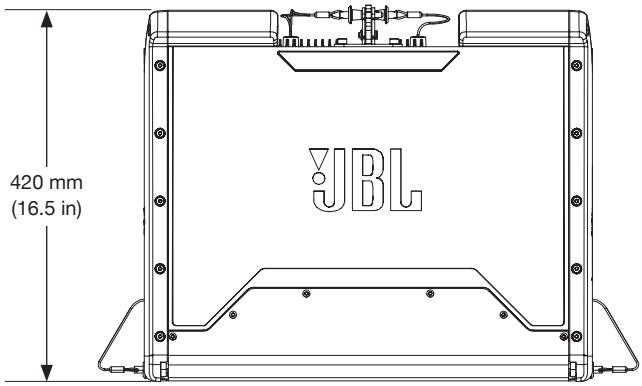
Horizontal Beamwidth (-6 dB)

DIMENSIONS

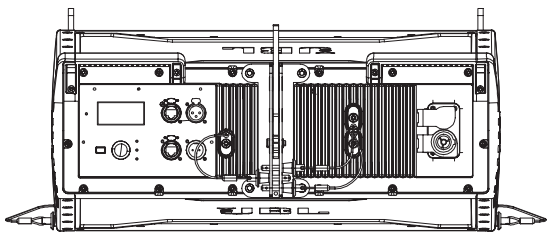
FRONT



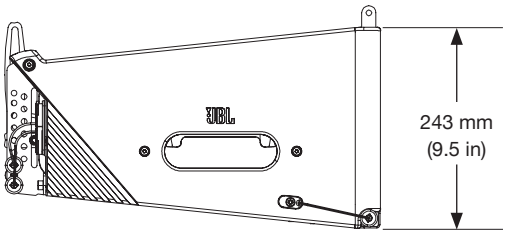
TOP/BOTTOM



REAR



LEFT/RIGHT



Footnotes:
4: System test using IEC shaped pink noise with 9 dB crest factor. System at maximum output without clipping or limiting. Ambient temperature: 20° C. Duration: 5 sec.
5: Two-tone, all channels driven, IMD test at maximum power for a duration of 200 ms.
6: Measured RMS inrush current for a 50 ms window.
7: With use of SRX900 RC1 rain cover (JBL-P3239MX) and front face at -10 degrees or greater down angle. Suspension components fully weather rated for indoor or covered outdoor conditions where humidity is nominally under 50% and not local to bodies of corrosive materials.

JBL continually engages in research related to product improvement. Some materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.