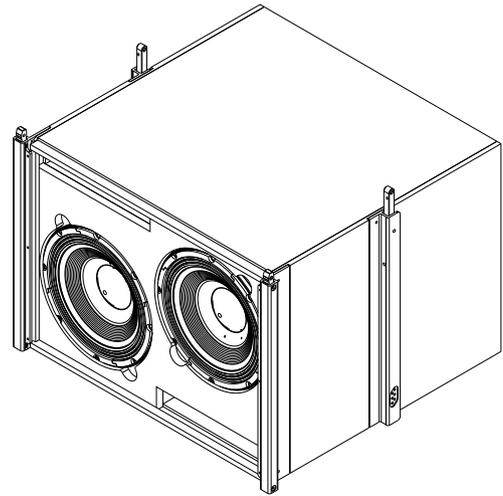




XCS312 Triple 12 in Cardioid Bass Element

- Triple 12 inch Cardioid Very Compact Line-Array Bass Element
- Three DVX3120A 12 inch Low Frequency Transducers
- 1500 Watt Continuous, 6000 Watt Peak
- Versatile Integration in Main Arrays
- Self-contained Rigging Hardware



The XCS312 is designed for high-level low frequency extension to 40 Hz in a cardioid configuration. It uses three DVX3120A forced air-cooled 12 inch transducers capable of long, linear excursion and high power handling in a two channel configuration. XCS312 speakers are designed to be used with a ratio of two XLD281 or XLD291 full range systems for each XCS312 subwoofer. The XLVC family consists of two full-range Line Array Elements with dual woofers, two full-range Line Array Elements with single woofers and a one subwoofer systems. The dual woofer Line Array Element includes the XLD281 with a 120° horizontal coverage pattern and the XLD291 with a 90° horizontal coverage pattern. The XCS312 cardioid subwoofer module has the same rigging footprint as the XLD281 and XLD291 allowing it to be directly arrayed above, or below XLD281 or XLD291 full range systems. LAPS2 modeling software quickly provides array configurations and rigging information. X-Line Very Compact delivers unprecedented performance in applications ranging from live reinforcement to performing arts venues to houses of worship.

Technical specifications

Frequency Response (-3 dB):	45 Hz ¹
Frequency Range (-10 dB):	40 Hz ¹

Max Calculated SPL:	130 dB Cont., 136 dB Peak ¹
Rigging:	Fully Captive Aluminum, 1° Increments, 8 Elements with 8 to 1 Safety Factor
Power Handling:	1500W Cont., 6000W Peak (1 channel 1000W, 1 channel 500W)
Sensitivity:	100 dB ¹
High-pass Frequency:	40 Hz ²
Recommended Crossover Frequency:	100 Hz
Coverage:	200°
LF Front:	2 x 12 in (305mm) DVX3120, 4 ohms
LF Rear:	1 x 12 in (305mm) DVX3120, 8 ohms
Connectors:	2 x NL8
Enclosure:	13-ply birch plywood with EVCoat
Grille:	Galvannealed steel with powder coat paint
Environmental specifications:	IEC 529 IP24, MIL 810
Dimensions (H x W x D):	508mm x 726mm x 677mm (20.00 in x 28.58 in x 26.64 in)

2 | XCS312 Triple 12 in Cardioid Bass Element

Net Weight: 67.1 kg (148 lb)

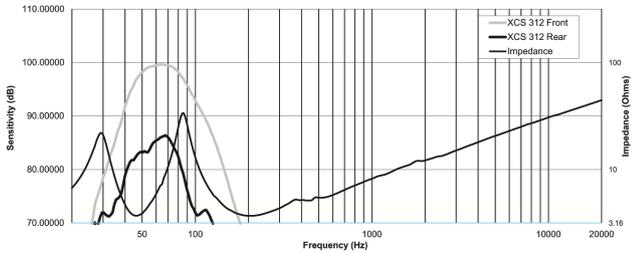
Shipping Weight: 73.0 kg (161 lb)

¹Half space measurement. SPL adjusted for 1W at 63 Hz at 1m

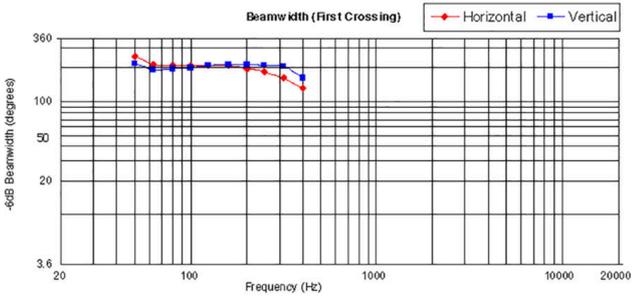
²Use EV Signal Processing or download presets from Electro-Voice website

System overview

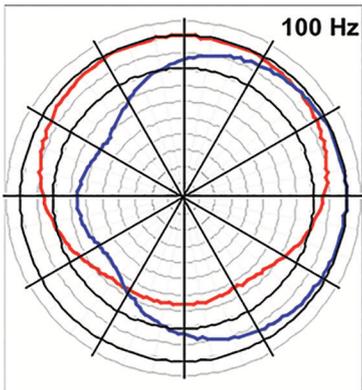
Frequency Response and Impedance:



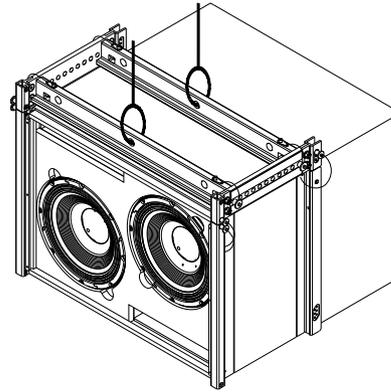
Beamwidth:



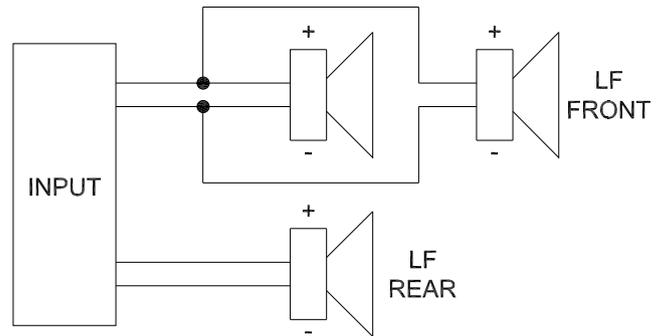
Polar Response:



Grid Drawing:



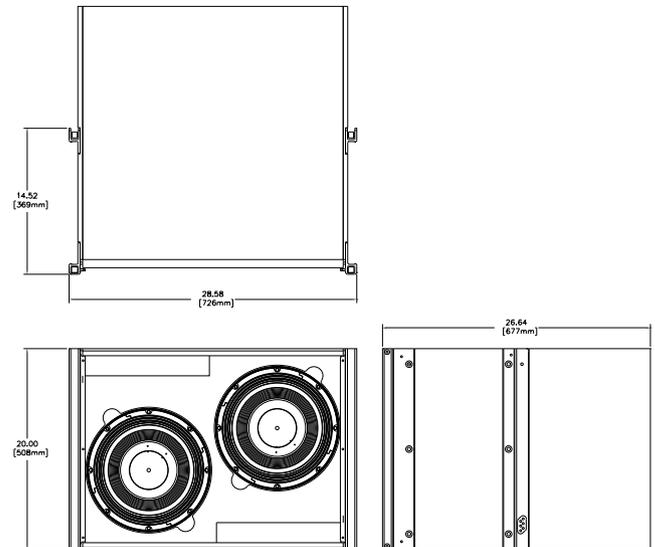
Block Diagram:



Connection Chart:

Connections	
Pin 1	LF Front
Pin 2	LF Rear (Steering Element)
Pins 3, 4	Pass Through

Dimensions:



3 | XCS312 Triple 12 in Cardioid Bass Element

Compatible System Solutions:

XLD281 120° Full-Range Line Array Element

XLD291 90° Full-Range Line Array Element

XLE181 120° Two-Way Line Array Element

XLE191 90° Two-Way Line Array Element

Compatible System Solutions, Electronics:

CP3000S Precision Series Power Amplifier

CP4000S Precision Series Power Amplifier

TG5 Tour Grade Power Amplifier

TG7 Tour Grade Power Amplifier

Dx46 Digital Sound System Controller

N8000 NetMax 300 MIPS Digital Matrix Controller

Ordering information

XCS312-BLK Triple 12 in Cardioid Bass Element Black

Cardioid subwoofer cabinet, 3 x 12 inch DVX3120A, integrated rigging and ground stack; black
Order number **XCS312-BLK-LB**

XCS312-BLK Triple 12 in Cardioid Bass Element Black

Cardioid subwoofer cabinet, 3 x 12" DVX3120A, integrated rigging and ground stack, black
Available in EMEA regions only
Order number **D170471**

XCS312-WHT Triple 12 in Cardioid Bass Element White

Cardioid subwoofer cabinet, 3 x 12" DVX3120A, integrated rigging and ground stack, white
Order number **XCS312-WHT-LB**

Accessories

AGCD Adapter Grid

Adaptor grid XLC/XLD rigging system , e.g. XLC215 + XLD281
Order number **AGCD_GLN**

AGSE-BLK Adaptor Grid Black

Adaptor grid XCS312 - XLE181, black
Order number **AGSE-BLK_GLN**

AGSE-CCA Adapter Grid Clear Coated

Adapter grid to attach to XLC312; clear coated
Order number **AGSE-CCA_GLN**

CBEAM Coupler Beam

Coupler beam for connecting XLD/XLE grids
Order number **CBEAM_GLN**

XGS-4 Groundstack Kit

XGS-4 groundstack kit for XLD or XLE and XCS312
Order number **XGS-4_GLN**

XLD Grid

XLD system aluminum grid for up to 16 x XLD281/ XLD291 or 8 x XCS312

Order number **XLD_GRID_GLN**

XLVC-TAE Tilt Angle Extender

Tilt angle extender for XLD and XLE systems

Order number **XLVC-TAE_GLN**

4 | XCS312 Triple 12 in Cardioid Bass Element

Represented by:

Germany:

Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337
USA

www.electrovoice.com