Sx-Series™

EV popularized the concept of lightweight high-performance speakers of compact size, using injection-molded structural-foam enclosures with rounded, user-friendly contours and featuring molded-in horns and attachment/rigging points. EV´s structural-foam enclosures produce minimal resonance. Sx systems have sensitivities as high as 100 dB/1W/1m (Sx 300, Sx 325 and Sx 500) and the PI(X) versions are especially designed for out-door use. The horn´s unique Varipath™ throat geometry helps direct driver output to the corners of the room (areas of coverage not usually mentioned in other competitors specifications about angle coverage) where typically, parts of the audience do not receive the strongest signal. The Array brackets – and especially the Unique Mounting Hardware – allows for a highly flexible and quick install. For a uniform array appearance Sx 100, Sx 300, Sx 325 and Sb 121 have the same dimensions and attachment points. All this guaranties that Sx-Series™ are highly economical and cost efficient and provide outstanding performance and flexibility in cabinets designed for portable and permanent installation applications. In addition the Sx 325 contains a 2 Way Duplex® engine and features a Vari Intense® CD-horn. Thus Sx 325 is a real 2-way point source that reduces lacks in time alignment of coaxial speakers to a minimum and achieves an excellent coverage and directivity control especially in near-field theatre applications.

Sx Series are made of high-impact polypropylene structural foam and feature an integral carrying handle and 35 mm stand mount. The Sx 80 is made of injection-molded, high-impact polystyrene and is designed for the optional stand mount adapter, Sx 80 SM, to be retro fitted. The structured black surface is paintable. The accessories SH Sx300 (Protection Cover) and F200 (Monitor Foot) fit the Sx 100/300/325 and Sb121. All systems are protected by a perforated powder-coated metal grille (full face on the Sx 325). The front of the PI(X) variants are covered by a powder-coated, full-face stainless steel grille backed with foam. For more details about Duplex® see page 71.



PI-version

Sx 80

- 2-Way Full-range
- Vented LF enclosure
- 1” voice coil (titanium diaphragm)
- PRO™ Driver protection
- HF-horn feat. Varipath™
- Trapezoidal
- Compact dimensions
- 7 x M6 and 4 x M5 inserts
- overview of variants see right spread sheet

Outdoor proofed · white · flying hardware · mounting hardware · dedicated for active X-over · RMD



Sb 121

- Subwoofer
- Direct radiating vented design
- Trapezoidal (25° per side)
- Recommended low-pass between 100 Hz - 200 Hz (12dB/Oct.)
- 4 x M8x1.25 attachment points

flying hardware · mounting hardware · dedicated for active X-over · RMD



Sx 100 +

- 2-Way Full-range
- Vented LF enclosure
- 1.3” voice coil (titanium diaphragm)
- PRO™ Driver protection circuit
- HF-horn feat. Varipath™
- Trapezoidal (25° per side)
- Physical characteristics of Sx300 but slightly lower sensitivity
- 4 x M8x1.25 attachment inserts

white · flying hardware · mounting hardware · 90° Horn rotatable · RMD



PI-version

Sx 300

- 2-Way Full-range
- High Sensitivity
- Ultra-linear frequency response
- Vented LF enclosure
- 1.3” voice coil (titanium diaphragm)
- PRO™ Driver protection circuit
- HF-horn features Varipath™
- Trapezoidal (25° per side)
- 4 x M8x1.25 attachment inserts
- Overview of variants see right spread sheet

Outdoor proofed · white · flying hardware · mounting hardware · 90° Horn rotatable · RMD



without grille

Sx 325

- 2-Way Duplex® Full-range
- High Sensitivity
- Ultra-linear frequency response
- Vented LF enclosure
- 1” voice coil (titanium diaphragm)
- PRO™ Driver protection circuit
- Directivity to 700 Hz
- VI horn for rectangular pattern
- HF-horn features Varipath™
- Trapezoidal (25° per side)
- 4 x M8x1.25 attachment inserts

flying hardware · mounting hardware · 90° Horn rotatable · RMD

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Sx 500 +

- 2-way high-output full-range
- High sensitivity
- Vented, short horn-loaded LF enclosure
- Asymmetric CD-horn aimed downward by 10°
- 2“ voice coil (titanium diaphragm)
- PRO™ driver protection circuit
- HF horn features varipath™
- Operation mode by pin arrangement
- Multi angled array housing
- 8 x M8 x 1.25 attachment points

flying hardware · Mounting Accessories · Ω/Ω bi-amping · RMD

Sx 500 PI +

- Performance as Sx 500 + yet weather proofed version for outdoor applications
- Weather-resistant woofer (DL 15Sx-W)
- Polyester mesh water shield
- Comes with foam part plugs for increased water resistance

Outdoor proofed · flying hardware · Mounting Accessories · Ω/Ω bi-amping · RMD

Feature overview for Sx-Series™

	flying hardware	mounting hardware	white	70/100 V	90° Horn rotatable	Outdoor proofed	Ω/Ω bi-amping	RMD	input connectors	accessories
Sx 80 B	X	X						X	push-pins	Sx 80 SM
Sx 80 W	X	X	X					X	push-pins	Sx 80 SM
Sx 80 BE	X	X						X	Speakon	Sx 80 SM
Sx 80 WE	X	X	X					X	Speakon	Sx 80 SM
Sx 80 TB	X	X		1.9/3.8/7.5/ 15/30/60 W				X	covered barrier strip	Sx 80 SM
Sx 80 TW	X	X	X	1.9/3.8/7.5/ 15/30/60 W				X	covered barrier strip	Sx 80 SM
Sx 80 PI	X	X				X		X	covered barrier strip	Sx 80 SM
Sx 80 PIX	X	X		1.9/3.8/7.5/ 15/30/60 W		X		X	covered barrier strip	Sx 80 SM
Sx 100 + E	X	X			X			X	2 Speakon	F200/SH Sx300
Sx 100 + W	X	X	X		X			X	2 Phono jacks	F200/SH Sx300
Sx 300 W	X	X	X		X			X	2 Speakon	F200/SH Sx300
Sx 300 PI	X	X			X	X		X	2 Speakon	F200/SH Sx300
Sx 300 PIX	X	X		100/140/200W (100V taps)	X	X		X	2 Speakon (100V taps via Pin arangement)	F200/SH Sx300
Sx 325	X	X			X			X	2 Speakon	F200/SH Sx300
Sx 500 +	X	X					X	X	Speakon	
Sx 500 PI +	X	X				X	X	X	Speakon	
Sb 121	X	X						X	Speakon	SH Sx300

	Sx 80	Sx 100 +	Sx 300	Sx 325	Sx 500 +	Sb 121
Frequency Range (-3 dB)	65 - 20.000 Hz	80 - 25.000 Hz	80 - 25.000 Hz	70 - 20.000 Hz	66 - 16.000 Hz	50 - 500 Hz
Recommended High-Pass Frequency	---	---	---	50 Hz (12 dB/Oct.)	45 Hz (12 dB/Oct.)	48 Hz (12 dB/Oct.)
Axial Sensitivity SPL 1W/1m (Biamp mode)	92 dB	98 dB	101.5 dB	100 dB	100 dB (100/107 dB)	95 dB
Max. SPL / 1m (calc.); full space	121 dB (100V: 110 dB)	127 dB	132 dB (100V: 125 dB)	130 dB	132 dB	126 dB
Long-Term Power Handling (low Z) (100V resp. Biamp)	175 W (60 W/100V)	200 W	300 W (200 W/100V)	250 W	400 W (400 W/60 W)	300 W
Short-Term Power Handling (Peak), low Z	700 W	800 W	1.200 W	1.000 W	1.600 W	1.200 W
Coverage (nominal -6 dB) H° x V°	90° x 65° (CD Horn)	65° x 65° (CD Horn)	65° x 65° (CD Horn)	90° x 90° (VI CD Horn)	75° x 60° (asym.CD Horn)	essentially omni
Directivity Index (800 - 16.000 Hz)	9.2 dB (+2.3/-3.9 dB)	11.1 dB (+2.4/-4.1 dB)	11.1 dB (+2.4/-4.1 dB)	9.6 dB (+2.5/-3.5 dB)	15.2 dB (+3.0/-6.9 dB)	---
LF woofer (transducer)	8" (---)	12" (---)	12" (DL12Sx)	12" (925-8B)	15" (DL15Sx)	12" (DL12Sx)
HF throat diameter (transducer)	1" (DH2005)	1" (DH2010A)	1" (DH2010A)	1" (925-8B)	1" (DH2T)	---
Crossover Frequencies (slope in Biamp mode)	2.200 Hz	1.500 Hz	1.500 Hz	1.500 Hz	1.600 Hz (24 dB/Oct.)	---
Nominal Impedance (nontransformer)	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω (8 Ω/8 Ω)	8 Ω
Minimum Impedance (nontransformer)	7.2 Ω	5.6 Ω	6.0 Ω	7.5 Ω	5.2 Ω (4.9 Ω/7.9 Ω)	6.0 Ω
Input Connections (Details see page 73)	see above	see above	2 four-pin Speakon	2 four-pin Speakon	2 four-pin Speakon	2 four-pin Speakon
Dimensions (H x W at front x D)	400 x 292 x 222 mm	586 x 429 x 312 mm	586 x 429 x 312 mm	586 x 429 x 312 mm	838 x 673 x 448 mm	586 x 429 x 312 mm
Net Weight	8.2 kg (T/PIX: 9.3 kg)	14.5 kg	17.7 kg (PIX: 21.7 kg)	17.3 kg	31.3 kg (PI: 32.9 kg)	14.6 kg