• Very High Sensitivity, 105 dB 1 W/1 m (139 dB Peak SPL)
• Easy, Versatile, SuperSAM Mounting System included
• All Weather IEC 529 IP 44 & Mil Spec 810 Environmental Specs
• Available 600 Watt Internal Transformer (Sx600PIX)
• EN54-24 Type B certification 1438-CPR-0300

The Electro-Voice Sx600PI and Sx600PIX are higher power extensions of the popular Sx-series of weather-resistant indoor/outdoor speaker systems. The Sx600 series features a dual 12 inch, Two-element vertical array based on the powerful Neodymium woofer developed for X-Array. Mid-bass and low frequency energy is augmented by an overlapping DL series woofer to produce vertical pattern control and intelligibility superior to conventional horn systems. The HF section features the DH2t compression driver coupled to a molded-in 65° x 65° Constant Directivity horn using EV’s unique Varipath throat geometry. An EV exclusive SuperSAM mounting system allows 60° of vertical adjustment and 180° of horizontal pan with simple adjustment. The molded polymer enclosure combined with aluminium and neodymium components provide a lightweight, easy to handle system. A multilayer stainless steel grille protects against rain, sprayed water, and dust to IEC 529 IP 44 Mil Spec 810 humidity, salt spray, and UV specifications.

The Sx600PIX features a special internally mounted 600 Watt line transformer for operation on 70, 100, 140 and 200 volt distributed line systems. The Sx600 series is ideally suited for applications requiring high intelligibility sound at high SPL’s in applications such as arenas, stadiums and race tracks.

Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range (-3 dB):</td>
<td>100 Hz-14 kHz</td>
</tr>
<tr>
<td>Frequency range (-10 dB):</td>
<td>70 Hz-16 kHz</td>
</tr>
<tr>
<td>Max calculated SPL (1m)$^1$:</td>
<td>139 dB</td>
</tr>
<tr>
<td>Max calculated SPL (4m)$^2$:</td>
<td>127 dB</td>
</tr>
<tr>
<td>Horizontal coverage:</td>
<td>65° nominal</td>
</tr>
<tr>
<td>Vertical coverage:</td>
<td>65° nominal</td>
</tr>
<tr>
<td>Power handling$^3$:</td>
<td>600 W continuous., 2400 W peak</td>
</tr>
<tr>
<td>Rated noise power:</td>
<td>600 W</td>
</tr>
<tr>
<td>Sensitivity (SPL 1W/1m)$^2$:</td>
<td>105 dB</td>
</tr>
<tr>
<td>Sensitivity (SPL 1W/4m)$^2$:</td>
<td>93 dB</td>
</tr>
<tr>
<td>Impedance (Pi version only):</td>
<td>4 Ω nominal, 3.5 Ω minimum</td>
</tr>
<tr>
<td>Crossover frequency:</td>
<td>1.8 kHz, LF/MB overlap: 200-600 Hz</td>
</tr>
<tr>
<td>Recommended filtering:</td>
<td>90 Hz high-pass filter. @ Q=1.6</td>
</tr>
<tr>
<td>Connectors:</td>
<td>SJO cable with gland nut</td>
</tr>
<tr>
<td>Enclosure material:</td>
<td>High density polymer</td>
</tr>
</tbody>
</table>
PIX version 600 Watt internal transformer:
- **70 V:**
  - 75W - 65Ω
  - 150W - 33Ω
  - 300W - 16Ω
  - 600W - 8Ω
- **100 V:**
  - 150W - 50Ω
  - 300W - 33Ω
  - 600W - 16Ω
- **140 V:**
  - 300W - 65Ω
  - 600W - 33Ω
- **200 V**
  - 600W - 65Ω

**Mounting:** SuperSAM, 5° increments over 60° vertical, 180° horizontal, can be bolted or strapped

**Grille:** Powder coated stainless steel

**Weather resistance:** IEC 529 IP 44, Mil Spec 810 humidity, salt spray, temperature, and UV

**Dimensions (H x W x D):** 45.8 in x 16.9 in x 12.3 in (1163 mm x 429 mm x 312 mm)

**Net weight (with bracket):**
- Sx600PI - 80.0 lb (36.3 kg)
- Sx600PIX - 98.0 lb (44.5 kg)

**Shipping weight:**
- Sx600PI - 92.0 lb (41.8 kg)
- Sx600PIX - 110.0 lb (50.0 kg)

1 Full-space anechoic measurement.
2 EIA RS-426A, tested for eight hours.
3 Wattage may be halved (-3 dB) by connecting to the next higher voltage tap. NEVER connect to a tap rated for less than the nominal line voltage!

**Notice!**
The specifications data was measured in an anechoic chamber according to EN 54-24.
Reference axis: Axis is on the center of grille surface and perpendicular to the grille surface.
Reference plane: Plane is on the grille surface and perpendicular to the reference axis.
Horizontal plane: Plane is containing the reference axis and perpendicular to the reference plane.

---

**Block diagram Sx600PI:**

```
INPUT
  HPF
    PTP
      HF

  LPF

MB/L

LF
```

**Block diagram Sx600PIX:**

```
INPUT
  HPF
    PTP
      HF

  LPF

MB/L

LF
```

**Frequency response and impedance:**

![Frequency Response and Impedance Graph](graph.png)
**Notice!**
Acoustic measurement reference axis is 36 inches up from bottom of enclosure.

**Compatible System Solutions:**
- DC-ONE loudspeaker controller
- DX46 loudspeaker controller
- N8000 120V N8000 digital matrix controller
- CPS2.9 CPS 2.9 power amplifier
- CPS2.12 CPS 2.12 power amplifier
- CPS4.10 CPS 4.10 power amplifier

1Contact your sales representative for available voltage versions.
Ordering information

SX600PI HE SX600PI, BLACK, 2-WAY, HIGH OUTPUT 2 ELE
2 x 12" 2-way, 600 W, incl. Strong-Arm-Mount, outdoor, EN 54-24 certified, black
Order number SX600PI HE

SX600PIX HE SX600PIX, BLACK, 2-WAY, HIGH OUTPUT 2 ELE
2 x 12" 2-way, 600 W, incl. Strong-Arm-Mount, outdoor, transformer, EN 54-24 certified, black
Order number SX600PIX HE