

# SSI

## Pound the Pavement

The Street Series improved subwoofers are the culmination of over 4 years of development of the ultimate street bass subwoofer. Designed to turn heads and make a statement, these drivers will definitely attract a crowd with incredible output and keep their attention with classic cosmetics. Super-strong mineral-fortified poly cones, Nomex flat dampers, integrated tinsel leads and American craftsmanship make this a woofer built to last. Power handling increases of up to 50% means the SSI is stronger than ever before.

- Precision CNC-machined, low-carbon steel motor structure with durable and attractive polished-nickel finish (128 oz. on SSI 8.xx, 288 oz. on SSI10.xx-SSI15.xx, 488 oz. on SSI18.xx)
- Large diameter hyper-extended vented pole piece keeps it cool
- Black color-matched strontium ferrite magnet
- High excursion motor structure and suspension design
- 5-layer, poly-ether, UV-treated foam surround
- Large-diameter, high-temp Nomex dampers
- Integrated tinsel leads for increased reliability and enhanced sound quality at high excursion
- Attractive anti-resonance die-cast aluminum basket with exclusive Treo Engineering perimeter venting
- Mica-impregnated polypropylene cone and dustcap
- 3.0" high-temp aluminum voice coils with integral heatsink (2.0" on SSI 8.xx)
- 750 watts RMS power handling on SSI10.xx, SSI12.xx & SSI15.xx (500 watts RMS power handling on SSI 8.xx)
- 1000 watts RMS power handling on SSI18.xx
- Dual 2-ohm and dual 4-ohm voice coils available for maximum installation flexibility
- Nickel-plated, spring-loaded, push terminals retain up to 8 AWG wire
- Optimized for small and medium sealed, vented, infinite baffle and bandpass enclosures
- Hand built in the United States from domestic and imported components
- 3-year dealer installed warranty

**TREO**  
ENGINEERING





# SSI Pound the Pavement

## TECHNICAL INFORMATION

	SSi 8.22	SSi 8.44	SSi10.22	SSi10.44	SSi12.22	SSi12.44	SSi15.22	SSi15.44	SSi18.22	SSi18.44
Woofer Size	8 in	8 in	10 in	10 in	12 in	12 in	15 in	15 in	18 in	18 in
Outside Diameter	200 mm	200 mm	250 mm	250 mm	300 mm	300 mm	380 mm	380 mm	460 mm	460 mm
	8.5 in	8.5 in	10.625 in	10.625 in	12.625 in	12.625 in	15.75 in	15.75 in	18.5 in	18.5 in
Cutout Size	216 mm	216 mm	270 mm	270 mm	321 mm	321 mm	400 mm	400 mm	470 mm	470 mm
	7.25 in	7.25 in	9.25 in	9.25 in	11.125 in	11.125 in	14.125 in	14.125 in	16.75 in	16.75 in
Mounting Depth	185 mm	185 mm	235 mm	235 mm	283 mm	283 mm	358 mm	358 mm	425 mm	425 mm
	4.375 in	4.375 in	5.1875 in	5.1875 in	6.375 in	6.375 in	6.875 in	6.875 in	9.25 in	9.25 in
Voice-coil Diameter	112 mm	112 mm	132 mm	132 mm	162 mm	162 mm	175 mm	175 mm	235 mm	235 mm
	2.0 in	2.0 in	3.0 in	3.0 in	3.0 in	3.0 in	3.0 in	3.0 in	3.0 in	3.0 in
Motor Weight	51 mm	51 mm	76 mm	76 mm	76 mm	76 mm	76 mm	76 mm	76 mm	76 mm
	128 oz	128 oz	288 oz	288 oz	288 oz	288 oz	288 oz	288 oz	488 oz	488 oz
Total Weight	3.63 kg	3.63 kg	8.96 kg	8.96 kg	8.96 kg	8.96 kg	8.96 kg	8.96 kg	15.18 kg	15.18 kg
	144 oz	144 oz	334 oz	334 oz	338 oz	338 oz	366 oz	366 oz	606 oz	606 oz
Revc Impedence	4.08 kg	4.08 kg	10.39 kg	10.39 kg	10.51 kg	10.51 kg	11.38 kg	11.38 kg	18.85 kg	18.85 kg
	3.7 ΩΩΩ	8.0 Ω	3.8 Ω	8.1 Ω	3.8 Ω	8.1 Ω	3.8 Ω	8.1 Ω	3.7 Ω	8.6 Ω
Power Handling (RMS)	500 W	500 W	750 W	750 W	750 W	750 W	750 W	1000 W	1000 W	1000 W
SPLo*	79.11 dB	78.36 dB	82.18 dB	82.13 dB	84.70 dB	83.96 dB	87.12 dB	85.09 dB	88.72 dB	87.78 dB
No	0.05%	0.04%	0.10%	0.10%	0.19%	0.16%	0.32%	0.20%	0.42%	0.39%
Sd	25.9 in <sup>2</sup>	25.9 in <sup>2</sup>	45.4 in <sup>2</sup>	45.4 in <sup>2</sup>	74.9 in <sup>2</sup>	74.9 in <sup>2</sup>	114.0 in <sup>2</sup>	114.0 in <sup>2</sup>	163.1 in <sup>2</sup>	163.1 in <sup>2</sup>
	167.4 cm <sup>2</sup>	167.4 cm <sup>2</sup>	292.6 cm <sup>2</sup>	292.6 cm <sup>2</sup>	483.1 cm <sup>2</sup>	483.1 cm <sup>2</sup>	735.4 cm <sup>2</sup>	735.4 cm <sup>2</sup>	1052 cm <sup>2</sup>	1052 cm <sup>2</sup>
Fo	31.84 Hz	27.83 Hz	24.26 Hz	28.63 Hz	25.81 Hz	27.66 Hz	24.47 Hz	26.86 Hz	19.34 Hz	18.10 Hz
Vas	0.402 ft <sup>3</sup>	0.560 ft <sup>3</sup>	0.895 ft <sup>3</sup>	0.790 ft <sup>3</sup>	0.911 ft <sup>3</sup>	1.574 ft <sup>3</sup>	3.704 ft <sup>3</sup>	2.345 ft <sup>3</sup>	8.264 ft <sup>3</sup>	9.828 ft <sup>3</sup>
	11.39 L	15.86 L	25.33 L	22.37 L	52.70 L	44.56 L	104.88 L	66.41 L	234.02 L	278.31 L
Gms	2.413	2.818	2.515	2.531	2.425	2.868	2.378	2.715	5.403	6.145
Qes	0.694	0.767	0.342	0.494	0.473	0.584	0.459	0.613	0.382	0.405
Qts	0.539	0.603	0.301	0.414	0.396	0.485	0.385	0.500	0.361	0.380
Mmd	86.10 g	80.82 g	203.61 g	165.01 g	233.00 g	240.07 g	298.25 g	394.69 g	408.95 g	405.37 g
Mms	87.35 g	82.06 g	206.49 g	167.89 g	239.11 g	246.18 g	309.71 g	406.16 g	427.63 g	424.21 g
BL	9.65 T-M	12.24 T-M	18.70 T-M	22.24 T-M	17.65 T-M	24.36 T-M	19.86 T-M	30.08 T-M	22.70 T-M	31.92 T-M
Cms	286.15 μM/N	398.57 μM/N	208.39 μM/N	184.09 μM/N	159.06 μM/N	134.49 μM/N	136.57 μM/N	86.47 μM/N	158.67 μM/N	189.15 μM/N
X-Max	1.03 in	1.03 in	1.08 in	1.08 in	1.08 in	1.08 in	1.08 in	1.08 in	1.22 in	1.22 in
	26 mm	26 mm	27 mm	27 mm	27 mm	27 mm	27 mm	27 mm	31 mm	31 mm
Driver Displacement	0.043 ft <sup>3</sup>	0.043 ft <sup>3</sup>	0.075 ft <sup>3</sup>	0.075 ft <sup>3</sup>	0.096 ft <sup>3</sup>	0.096 ft <sup>3</sup>	0.128 ft <sup>3</sup>	0.128 ft <sup>3</sup>	0.171 ft <sup>3</sup>	0.171 ft <sup>3</sup>
	1.21 L	1.21 L	1.86 L	1.86 L	2.73 L	2.73 L	3.63 L	3.63 L	4.85 L	4.85 L

All drivers tested with voice coils in series.  
 \* Efficiency is not an accurate indicator of a subwoofer's output capability and should not be used to compare subwoofers.

## RECOMMENDED ENCLOSURES

	SEALED	PORTED
SSi 8.22 & SSi 8.44	0.35 cu ft F3=42.4 Hz	0.75 cu ft net, 8 sq in vent, 20.75 in long, F3=28.6 Hz
SSi 10.22 & SSi 10.44	0.80 cu ft F3=35 Hz	1.25 cu ft net, 12 sq in vent, 18 in long, F3=27 Hz
SSi 12.22 & SSi 12.44	1.1 cu ft F3=35 Hz	1.75 cu ft net, 16 sq in vent, 16.5 in long, F3=28 Hz
SSi 15.22 & SSi 15.44	1.75 cu ft F3=35 Hz	2.5 cu ft net, 25 sq in vent, 17.5 in long, F3=33 Hz
SSi 18.22 & SSi 18.44	2.0 cu ft F3=37 Hz	2.5 cu ft net, 32 sq in vent, 18.5 in long, F3=31 Hz

