

TREO



ENGINEERING

SSP

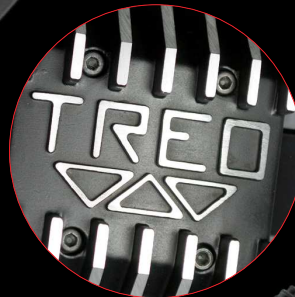
The all-new TREO SSP subwoofers are next evolution of the TREO SSI series of uncompromising ultimate street bass subwoofers. Designed to turn heads and make a statement, these drivers will definitely attract a crowd with incredible output and keep their attention with classic cosmetics. Ultra stiff hybrid poly-paper cones, Nomex flat dampers, integrated tinsel leads and American craftsmanship make this a woofer built to last. Power handling has been increased by 33% for 2009.



TREO



- Precision CNC-machined, low-carbon steel 326oz. motor structure with durable and attractive polished-nickel finish
- Die-cast aluminum motor heatsinks enhance cooling and power handling capacity
- 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



- Available in 10,12,15 and 18 inches
- 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 hybrid cone
- 3.0" high-temp aluminum voice coils with integral heatsink
- 1000 watts RMS power handling
- 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



SSP SUBWOOFER

TECHNICAL INFORMATION

	SSp 10.11	SSp 10.22	SSp 12.11	SSp 12.22	SSp 15.11	SSp 15.22
WOOFER SIZE	10 IN 250 MM	10 IN 250 MM	12 IN 300 MM	12 IN 300 MM	15 IN 385 MM	15 IN 385 MM
NOMINAL IMPEDENCE	DUAL 4 Ω	DUAL 2 Ω	DUAL 4 Ω	DUAL 2 Ω	DUAL 4 Ω	DUAL 2 Ω
OUTSIDE DIAMETER	10 - 5/8 IN	10 - 5/8 IN	12 - 5/8 IN	12 - 5/8 IN	12 - 3/4 IN	12 - 3/4 IN
CUTOUT SIZE	270 MM	270 MM	321 MM	321 MM	400 MM	400 MM
CUTOUT SIZE	9 - 1/4 IN	9 - 1/4 IN	11 - 1/8 IN	11 - 1/8 IN	14 1/8 IN	14 1/8 IN
MOUNTING DEPTH	235 MM	235 MM	283 MM	283 MM	358 MM	358 MM
MOUNTING DEPTH	5 - 1/4 IN	5 - 1/4 IN	5 - 3/4 IN	5 - 3/4 IN	7 IN	7 IN
VOICE-COIL DIAMETER	134 MM	134 MM	146 MM	146 MM	178 MM	178 MM
VOICE-COIL DIAMETER	3 IN	3 IN	3 IN	3 IN	3 IN	3 IN
MOTOR WEIGHT	76 MM	76 MM	76 MM	76 MM	76 MM	76 MM
MOTOR WEIGHT	326 OZ	326 OZ	326 OZ	326 OZ	326 OZ	326 OZ
MOTOR WEIGHT	9.25 KG	9.25 KG	9.25 KG	9.25 KG	9.25 KG	9.25 KG
TOTAL WEIGHT	366 OZ	366 OZ	378 OZ	378 OZ	398 OZ	398 OZ
TOTAL WEIGHT	10.38 KG	10.38 KG	10.72 KG	10.72 KG	11.28 KG	11.28 KG
DRIVER DISPLACEMENT	0.079 FT ³	0.079 FT ³	0.100 FT ³	0.100 FT ³	0.132 FT ³	0.132 FT ³
DRIVER DISPLACEMENT	2.24 LITRE	2.24 LITRE	2.83 LITRE	2.83 LITRE	3.74 LITRE	3.74 LITRE
REVC IMPEDENCE	2.5 Ω	3.8 Ω	2.5 Ω	3.8 Ω	2.5 Ω	3.8 Ω
POWER HANDLING (RMS)	1000 W RMS	1000 W RMS	1000 W RMS	1000 W RMS	1000 W RMS	1000 W RMS
SPL ₀ *	83.823 dB	82.841 dB	83.722 dB	85.301 dB	86.387 dB	85.761 dB
η ₀	0.15%	0.12%	0.15%	0.14%	0.27%	0.24%
S _D	46.5 IN ²	46.5 IN ²	69.5 IN ²	69.5 IN ²	117.9 IN ²	117.9 IN ²
S _D	300.2 CM ²	300.2 CM ²	448.6 CM ²	448.6 CM ²	760.4 CM ²	760.4 CM ²
F ₀	28.273 Hz	26.824 Hz	26.197 Hz	27.089 Hz	19.105 Hz	20.609 Hz
V _{AS}	0.857 FT ³	1.052 FT ³	1.419 FT ³	2.114 FT ³	5.976 FT ³	5.849 FT ³
V _{AS}	24.262 LITRE	29.782 LITRE	40.173 LITRE	59.856 LITRE	169.211 LITRE	165.621 LITRE
Q _{MS}	3.291	3.085	3.062	3.785	3.380	3.000
Q _{ES}	0.35	0.46	0.472	0.540	0.417	0.592
Q _{TS}	0.316	0.400	0.409	0.473	0.371	0.494
C _{MS}	189.588 μM/N	232.758 μM/N	140.580 μM/N	209.462 μM/N	206.100 μM/N	201.728 μM/N
M _{MD}	164.147 G	148.252 G	257.091 G	159.331 G	324.673 G	283.579 G
M _{MS}	167.138 G	151.243 G	262.554 G	164.795 G	336.730 G	289.635 G
BL	14.565 T·M	14.512 T·M	15.133 T·M	14.045 T·M	15.562 T·M	15.674 T·M
EXCURSION	1.22 IN	1.22 IN	1.22 IN	1.22 IN	1.22 IN	1.22 IN
EXCURSION	32 MM	32 MM	32 MM	32 MM	32 MM	32 MM

ALL SPEAKERS TESTED WITH VOICE COILS WIRED IN SERIES

RECOMMENDED ENCLOSURES

Model	Sealed	Small Ported	Large Ported
SSp 10	0.8 FT ³	1.25 FT ³ NET INTERNAL VOLUME	1.5 FT ³ NET INTERNAL VOLUME
	NET INTERNAL VOLUME	12 IN ² PORT AREA 18 IN LONG	15 IN ² PORT AREA 15-3/8 IN LONG
SSp 12	1.1 FT ³	1.75 FT ³ NET INTERNAL VOLUME	2.1 FT ³ NET INTERNAL VOLUME
	NET INTERNAL VOLUME	16 IN ² PORT AREA 16-1/2 IN LONG	20 IN ² PORT AREA 14-1/8 IN LONG
SSp 15	1.75 FT ³	2.5 FT ³ NET INTERNAL VOLUME	3 FT ³ NET INTERNAL VOLUME
	NET INTERNAL VOLUME	25 IN ² PORT AREA 17-1/2 IN LONG	25 IN ² PORT AREA 11-5/8 IN LONG

ALL ENCLOSURE VOLUMES LISTED ARE NET VOLUMES AND DO NOT ACCOUNT FOR PORT OR DRIVER DISPLACEMENT

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WWW.TREOONLINE.COM

800.530.5925 U.S.