

TSi

Subwoofers

The Treo Series improved subwoofers offer world-class sound quality with a wide spectrum of musical styles. High efficiency means maximum sound even with little amplifier power. The Treo Series subwoofers were designed with the same principles and technologies as our competition woofers. The TSi features integrated tinsel leads for the finest sound quality and unmatched durability as well as exciting new cosmetics and 33% greater power handling.

- Precision CNC-machined, low-carbon steel motor structure (114 oz. on TSi10.x & TSi12.x, 226 oz. on TSi15.x)
- Powerful and durable strontium ferrite magnet with a protective magnet jacket
- High excursion motor structure and suspension design
- Wide 3-layer, UV-treated foam surround
- Resin-impregnated poly-cotton spider for increased cone control
- Mica-impregnated polypropylene cone and dustcap
- 2.0" high-temp aluminum voice coil with integral heatsink on TSi10.x & TSi12.x
- 3.0" high-temp aluminum voice coil with integral heatsink on TSi15.x
- 200 Watts RMS power handling on TSi10.x & TSi12.x
- 350 Watts RMS power handling on TSi15.x
- Available with single 4-ohm and 8-ohm voice coils for maximum installation flexibility
- Optimized for very small to medium sealed, vented and bandpass enclosures
- Hand built in the United States from domestic and imported components
- 3-year dealer installed warranty

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TECHNICAL INFORMATION

	TSi10.4	TSi10.8	TSi12.4	TSi12.8	TSi15.4	TSi15.8
Woofer Size	10 in 250 mm	10 in 250 mm	12 in 300 mm	12 in 300 mm	15 in 380 mm	15 in 380 mm
Outside Diameter	10.125 in 258 mm	10.125 in 258 mm	12.25 in 312 mm	12.25 in 312 mm	15.5 in 394 mm	15.5 in 394 mm
Cutout Size	9.125 in 232 mm	9.125 in 232 mm	11.0 in 280 mm	11.0 in 280 mm	13.625 in 346 mm	13.625 in 346 mm
Mounting Depth	5.25 in 134 mm	5.25 in 134 mm	5.625 in 143 mm	5.625 in 143 mm	6.75 in 172 mm	6.75 in 172 mm
Voice-coil Diameter	2.0 in 45 mm	2.0 in 45 mm	2.0 in 45 mm	2.0 in 45 mm	3.0 in 76 mm	3.0 in 76 mm
Motor Weight	114 oz 3.55 kg	114 oz 3.55 kg	114 oz 3.55 kg	114 oz 3.55 kg	226 oz 7.03 kg	226 oz 7.03 kg
Total Weight	134 oz 4.17 kg	134 oz 4.17 kg	146 oz 4.54 kg	146 oz 4.54 kg	290 oz 9.02 kg	290 oz 9.02 kg
Revc Impedence	3.4 Ω	7.6 Ω	3.4 Ω	7.6 Ω	4.2 Ω	8.0 Ω
Power Handling (RMS)	200 W	200 W	200 W	200 W	350 W	350 W
SPL _{Lo} *	84.561 dB	84.294 dB	84.334 dB	84.038 dB	86.123 dB	85.893 dB
No	0.18%	0.17%	0.17%	0.16%	0.26%	0.24%
Sd	58.9 in ² 380.0 cm ²	58.9 in ² 380.0 cm ²	70.1 in ² 452.4 cm ²	70.1 in ² 452.4 cm ²	113.2 in ² 730.6 cm ²	113.2 in ² 730.6 cm ²
Fo	27.937 Hz	27.349 Hz	25.652 Hz	23.830 Hz	20.652 Hz	22.302 Hz
Vas	2.035 ft ³ 57.632 L	2.235 ft ³ 63.800 L	2.877 ft ³ 81.457 L	3.368 ft ³ 95.372 L	6.800 ft ³ 192.579 L	6.251 ft ³ 177.033 L
Qms	5.676	6.011	5.242	5.104	6.138	5.983
Qes	0.677	0.747	0.780	0.784	0.637	0.778
Qts	0.605	0.665	0.679	0.679	0.577	0.688
Mmd	111.208 g	104.579 g	131.813 g	130.398 g	241.286 g	206.698 g
Mms	115.467 g	108.839 g	137.346 g	135.931 g	253.347 g	218.053 g
BL	10.092 T-M	13.792 T-M	9.822 T-M	14.047 T-M	14.892 T-M	17.725 T-M
Cms	281.067 μM/N	311.149 μM/N	280.280 μM/N	328.162 μM/N	234.427 μM/N	233.565 μM/N
X-Max	0.865 in 22 mm	0.865 in 22 mm	0.865 in 22 mm	0.865 in 22 mm	0.865 in 22 mm	0.865 in 22 mm
Driver Displacement	0.064 ft ³ 1.82 L	0.064 ft ³ 1.82 L	0.086 ft ³ 2.42 L	0.086 ft ³ 2.42 L	0.117 ft ³ 3.33 L	0.117 ft ³ 3.33 L

* Efficiency is not an accurate indicator of a subwoofer's output capability and should not be used to compare subwoofers.

RECOMMENDED ENCLOSURES

	SEALED	PORTED
TSi 10.4 & TSi 10.8	1.1 cu ft F3=42 Hz	1.2 cu ft net, 9 sq in vent, 13.5 in long, F3=33.6 Hz
TSi 12.4 & TSi 12.8	1.2 cu ft F3=38 Hz	1.5 cu ft net, 12 sq in vent, 14.5 in long, F3=33.2 Hz
TSi 15.4 & TSi 15.8	2.0 cu ft F3=33 Hz	2.5 cu ft net, 25 sq in vent, 17.5 in long, F3=32.2 Hz

