

TREO ENGINEERING

RSX

Depth, accuracy and volume are the desires of all car audio maniacs, and the TREO RSX delivers on all three fronts. It all starts with an ultra rigid hybrid cone embossed with the TREO Engineering logo.

Two inch diameter dual two or dual four ohm voice coils provide the flexibility to be able to use one, two, four or more subwoofers with a wide variety of amplifier choices. These durable four-layer copper voice coils allow TREO RSX Subwoofers to handle up to 350W RMS.

The CNC-machined top plate and monoblock T-yoke are milled to 0.003" tolerances and combine with a single-stack large-diameter strontium ferrite magnet to supply extreme excursion and compact mounting depth. A rubber magnet offers protection to the magnet and a unique TREO style.

The sturdy hydro-formed steel frame, resin-impregnated poly-cotton spider and UV-resistant composite foam surround ensure years of auditory bliss.



- Precision CNC machined, low carbon steel 150 oz. motor structure
- Bumped monoblock T-yoke with large diameter pole vent
- High-excursion motor structure and suspension design
- Tall extended displacement composite foam surround
- Resin impregnated poly-cotton damper for superior cone control
- Mica-impregnated polypropylene hybrid cone with embossed TREO logo
- Integrated tinsel leads for increased reliability and sound quality at high excursion
- 2.0" high-temperature copper voice coils with aluminum former
- 350 watts RMS power handling
- Available in dual 2 ohm and 4 ohm voice coils for unlimited installation flexibility
- Optimized for small sealed, vented and bandpass enclosures
- 1 year dealer installed warranty

RSX SUBWOOFER

TECHNICAL INFORMATION



RSX 10.22 RSX 10.44 RSX 12.22 RSX 12.44

WOOFER SIZE	10 IN 250 MM	10 IN 250 MM	12 IN 300 MM	12 IN 300 MM
NOMINAL IMPEDENCE	DUAL 2 Ω	DUAL 4 Ω	DUAL 2 Ω	DUAL 4 Ω
OUTSIDE DIAMETER	10 - 1/8"	10 - 1/8"	12 - 1/4"	12 - 1/4"
	258 MM	258 MM	312 MM	312 MM
CUTOUT SIZE	9 - 1/8"	9 - 1/8"	11 IN	11 IN
	232 MM	232 MM	280 MM	280 MM
MOUNTING DEPTH	5 - 1/8"	5 - 1/8"	5 - 5/8"	5 - 5/8"
	130MM	130MM	140MM	140MM
VOICE-COIL DIAMETER	2IN	2IN	2IN	2IN
	51MM	51MM	51MM	51MM
MOTOR WEIGHT	150 OZ 4.25 KG	150 OZ 4.25 KG	150 OZ 4.25 KG	150 OZ 4.25 KG
TOTAL WEIGHT	170 OZ 4.81 KG	170 OZ 4.81 KG	180 OZ 5.10 KG	180 OZ 5.10 KG
DRIVER DISPLACEMENT	0.075 FT ³ 2.12 LITRE	0.075 FT ³ 2.12 LITRE	0.080 FT ³ 2.27 LITRE	0.080 FT ³ 2.27 LITRE
REVC IMPEDENCE	3.4 Ω	7.2 Ω	3.4 Ω	7.2 Ω
POWER HANDLING (RMS)	350 W	350 W	350 W	350 W
SP _{LO} *	83.796 dB	83.155 dB	85.007 dB	83.439 dB
N _D	0.15%	0.13%	0.20%	0.14%
S _D	48.7 IN ² 314.2 CM ²	48.7 IN ² 314.2 CM ²	76.1 IN ² 490.9 CM ²	76.1 IN ² 490.9 CM ²
F ₀	34.454 Hz	29.805 Hz	23.224 Hz	33.587 Hz
V _{AS}	0.825 FT ³ 23.372 LITRE	1.053 FT ³ 33.381 LITRE	0.820 FT ³ 95.857 LITRE	1.186 FT ³ 40.392 LITRE
Q _{MS}	3.674	4.213	3.882	4.253
Q _{ES}	0.614	0.658	0.583	1.067
Q _{TS}	0.526	0.569	0.507	0.853
C _{MS}	166.764	238.179 uM/N	280.158 uM/N	118.053 uM/N
M _{MD}	123.751 g	116.516 g	161.381 g	183.949 g
M _{MS}	127.953 g	119.718 g	167.634 g	190.203 g
BL	12.386 T·M	15.664 T·M	11.940 T·M	16.458 T·M
EXCURSION	1 - 1/8 IN 29MM	1 - 1/8 IN 29MM	1 - 1/8 IN 29MM	1 - 1/8 IN 29MM

* EFFICIENCY IS NOT AN ACCURATE INDICATOR OF A SUBWOOFER'S OUTPUT CAPABILITY AND SHOULD NOT BE USED TO COMPARE SUBWOOFERS

RECOMMENDED ENCLOSURES

Model	Sealed	Small Ported	Large Ported
RSX 10	0.8 FT ³ NET INTERNAL VOLUME	1.0 FT ³ NET INTERNAL VOLUME 7 IN ² PORT AREA 10-3/4 IN LONG	1.3 FT ³ NET INTERNAL VOLUME 12 IN ² PORT AREA 14-3/8 IN LONG
	1.0 FT ³ NET INTERNAL VOLUME	1.2 FT ³ NET INTERNAL VOLUME 9 IN ² PORT AREA 11-1/2 IN LONG	1.65 FT ³ NET INTERNAL VOLUME 18 IN ² PORT AREA 16-5/8 IN LONG

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