

Model: T1D212

Type: Subwoofer

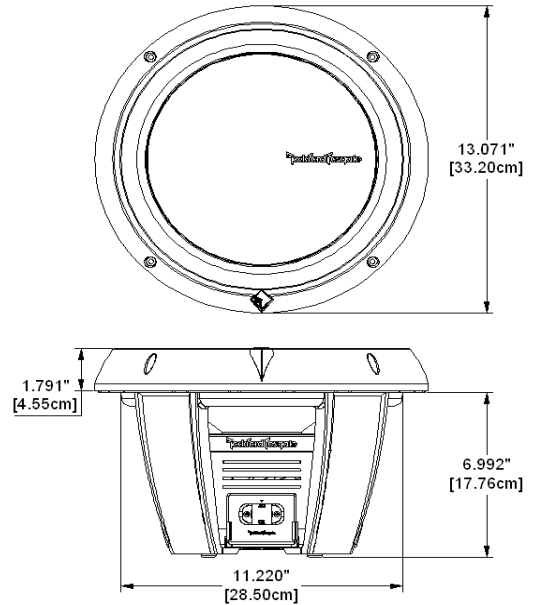
Power Rating: 800 watts

Impedance: 1 or 4 ohm



Features

- VAST™ Patent-pending surround technology
- Symmetrical dual progressive roll tear resistant poly-cotton spiders
- Periodic-stitched fatigue resistant tinsel lead wire
- Proprietary 8 AWG insulated all-metal input spring terminal connection
- 3" ultra-high temperature CCAW DVC w/ spun-laced Nomex collar and Al. former
- SWIFT™ Input connection (Selectable Woofer Impedance Fused Termination)
- IDHS™ Inductive Damping Heat Sink
- Optimized and matched magnetic and compliance geometry
- Anodized aluminum heat sinking dust cap
- Ultra low mass, high strength Kevlar fiber re-inforced paper cone
- Rigid die-cast aluminum frame with optimized pole and spider venting



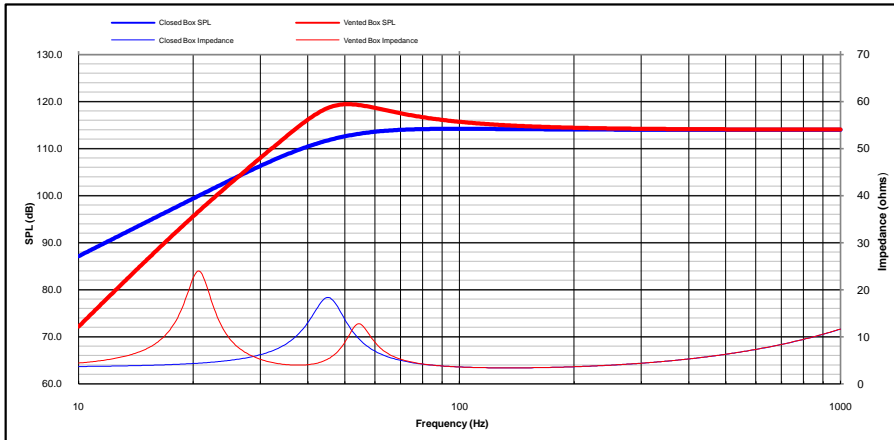
Recommended Applications

| Enclosure | Volume (Vb) | | Tuning(Fb) | System (Qtc) | -3dB (F3) | Port Dia. | | Port Length | |
|-----------|-------------|--------|------------|--------------|-----------|-----------|-------|-------------|-----|
| | Liters | cu.ft. | Hz | | Hz | in. | mm | in. | mm |
| Sealed: | 35.4 | 1.25 | 41.7 | 0.77 | 41.8 | - | - | - | - |
| Ported: | 49.6 | 1.75 | 40.1 | - | 33.3 | 4.0 | 101.6 | 9.0 | 229 |

Thiele-Small Specifications

- Fs (Hz): 28.0
- Re (Ohms): 3.25
- Le (mH): 1.8
- Qts: 0.52
- Qes: 0.59
- Qms: 4.50
- Cms (mm/N): 0.13
- Vas (L): 55.8
- Mms (g): 247.0
- Mmd (g): 239.6
- Rms (kg/s): 9.7
- Airload (g): 7.4
- No (%): 0.19
- SPL (dB - 1W/1M): 85.0
- BL (T*M): 15.5
- *Xmax₁₀ (mm): 16.0
- Sd (cm²): 548
- EBP: 47.46
- Krm (mOhms): 21.00
- Erm: 0.78
- Kxm (mH): 15.0
- Exm: 0.5
- Rem (Ohms): 19.27

SPL (at 800 Watts) / Impedance (at 1 Watt)



Technical Specifications

| | | | |
|---------------------------------|------|--------|--------------------|
| Voice Coil Diameter: | 3.0 | 75.499 | inches mm |
| Voice Coil Height: | 1.69 | 42.8 | inches mm |
| Voice Coil Layers: | 4 | | layers |
| Magnetic Gap Height: | 0.39 | 10.0 | inches mm |
| Linear Excursion, pk-pk (Xmax): | 1.29 | 32.8 | inches mm |
| Maximum Excursion, pk-pk: | 2.36 | 60.0 | inches mm |
| Magnet Weight: | 123 | 3.48 | oz. kg |
| Woofer Displacement: | 2.8 | 0.099 | liters cubic ft. |
| Net Weight: | 26 | 11.8 | lbs. kg |
| Power Rating: | 800 | 1600 | RMS Peak |

* All parameters are derived using a laser velocity measurement method and verified with actual measured Mmd and Re. All dual voice coil models are wired in series. Xmax₁₀ represents actual effective excursion at <10% THD.