

Model: P1S8-10

Type: SVC Subwoofer

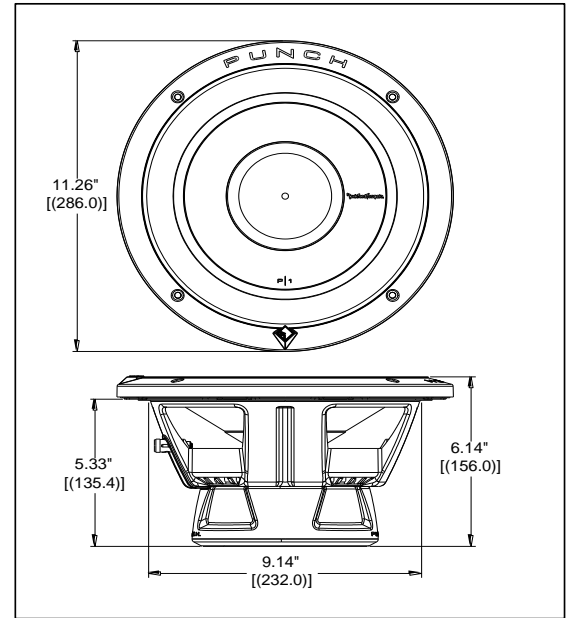
Power Rating: 250 Watts (RMS)

Impedance: 8 ohms



Features

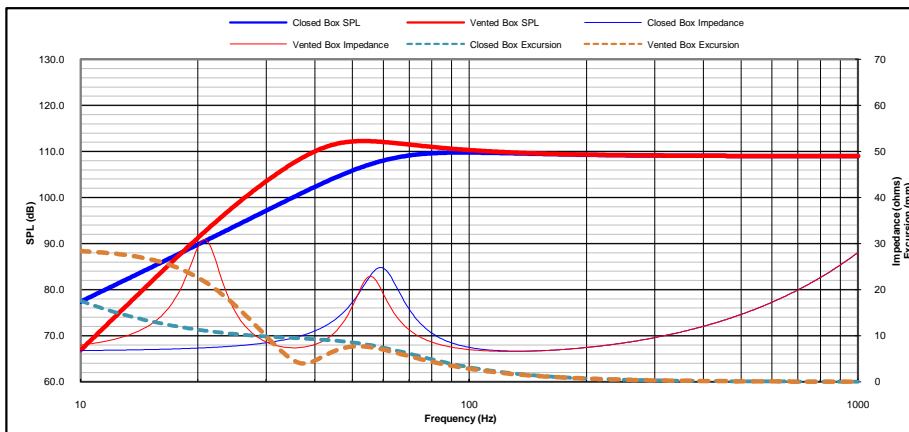
- High modulus Kevlar™ re-inforced paper-pulp cone.
- Tear & fatigue resistant poly-cotton spider.
- High Density NBR (Nitrile Butadine Rubber) surround.
- High temp 2" voice coil with spun-laced Nomex™ insulating re-reinforcement collar.
- Optimized motor magnetics with extended pole and bumped vented backplate.
- Fatigue resistant and reduced strain "stitched on" flexible lead wire design.
- Proprietary spider venting/cooling technique
- Multi-point high-temp/high-strength neck joint bonding technique.
- Sturdy 16 guage compound bend frame geometry
- Heavy guage proprietary stamped steel frame
- Semi-flexible, PVC removable protective motor cover.
- Proprietary all metal, radially oriented compression input terminal assembly.
- Flex-fit™ Mounting pattern
- Soft-touch painted trim ring allows for optional integrated grill



Recommended Applications

| Enclosure | Volume (Vb) | | Tuning(Fb) | System (Qtc) | -3dB (F3) | Port Dia. | | Port Length | |
|-----------|-------------|--------|------------|--------------|-----------|-----------|-------|-------------|------|
| | Liters | cu.ft. | Hz | | Hz | in. | cm | in. | cm |
| Sealed: | 16.7 | 0.59 | 50.1 | 0.88 | 50.5 | - | - | - | - |
| Ported: | 39.6 | 1.40 | 37.3 | - | 33.1 | 4.0 | 101.6 | 17.4 | 44.2 |

SPL & Excursion (at 250 Watts) / Impedance (at 1 Watt)



Thiele-Small Specifications

- Fs (Hz): 31.2
- Re (Ohms): 6.20
- Le (mH): 4.4
- Qts: 0.52
- Qes: 0.63
- Qms: 3.00
- Cms (mm/N): 0.21
- Vas (L): 40.0
- Mms (g): 126.0
- Mmd (g): 121.9
- Rms (kg/s): 8.2
- Airload (g): 4.1
- No (%): 0.19
- SPL (dB - 1W/1M): 85.0
- BL (T*M): 15.7
- *Xmax₁₀ (mm): 9.4
- Sd (cm²): 370
- EBP: 50
- Krm (mOhms): 0.64
- Erm: 1.27
- Kxm (mH): 35.9
- Exm: 0.79
- Rem (Ohms): 42.65

* 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.

Technical Specifications

| | | | |
|----------------------------------|------|-------|--------------------|
| Voice Coil Diameter: | 2.0 | 51.56 | inches mm |
| Voice Coil Height: | 1.10 | 28.0 | inches mm |
| Voice Coil Layers: | 4 | | layers |
| Magnetic Gap Height: | 0.39 | 10.0 | inches mm |
| Linear Excursion, (Xmax): | 0.35 | 9.0 | inches mm |
| Maximum Excursion (mech), pk-pk: | 2.05 | 52.0 | inches mm |
| Magnet Weight: | 45 | 1.28 | oz. kg |
| Woofers Displacement: | 2.4 | 0.085 | liters cubic ft. |
| Net Weight: | 9.7 | 4.4 | lbs. kg |
| Power Rating: | 250 | 500 | RMS Peak |

Above specifications and dimensions comply with the CEA-2031 standard.

Specifications subject to change without notice.