

Model: P1S8-12

Type: SVC Subwoofer

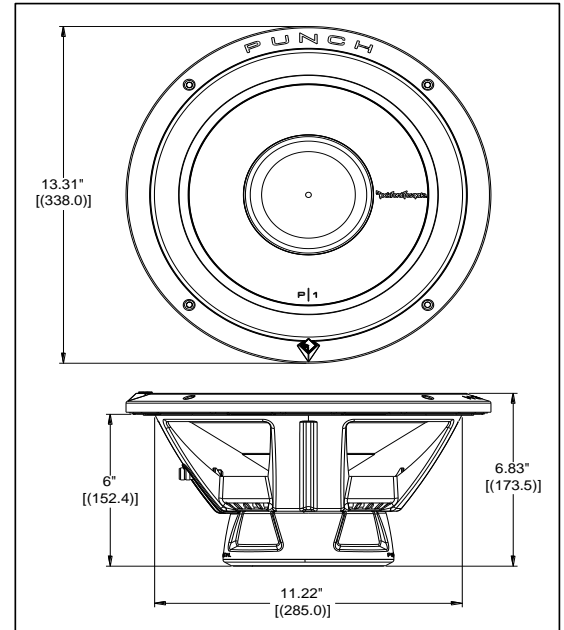
Power Rating: 250 Watts (RMS)

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-inforcement 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



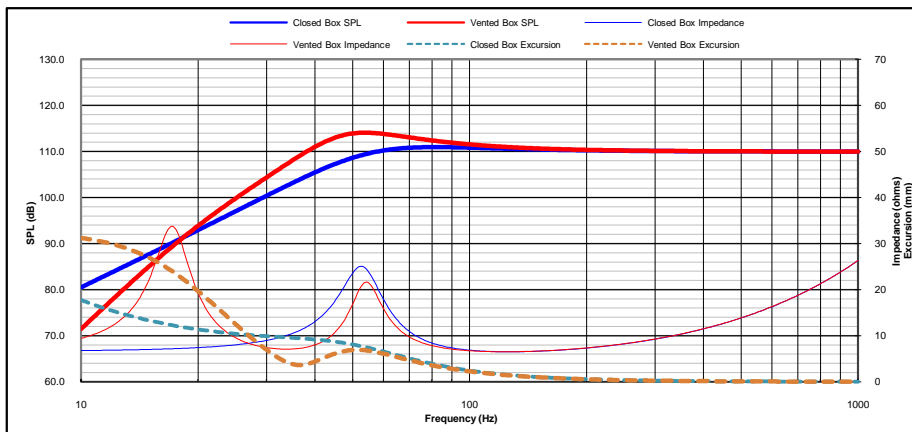
Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb)	System (Qtc)	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.	Hz		Hz	in.	cm	in.	cm
Sealed:	28.9	1.02	44.1	0.91	44.1	-	-	-	-
Ported:	50.7	1.79	36.3	-	33.4	3.0	76.2	8.1	20.5

Thiele-Small Specifications

- Fs (Hz): 25.7
- Re (Ohms): 6.20
- Le (mH): 4.1
- Qts: 0.50
- Qes: 0.60
- Qms: 3.10
- Cms (mm/N): 0.21
- Vas (L): 88.3
- Mms (g): 184.4
- Mmd (g): 177.0
- Rms (kg/s): 9.6
- Airload (g): 7.4
- No (%): 0.24
- SPL (dB - 1W/1M): 86.0
- BL (T*M): 17.5
- *Xmax₁₀ (mm): 9.4
- Sd (cm²): 548
- EBP: 43
- Krm (mOhms): 0.24
- Erm: 1.38
- Kxm (mH): 22.1
- Exm: 0.85
- Rem (Ohms): 41.85

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



Technical Specifications

Voice Coil Diameter:	2.0	51.56	inches mm
Voice Coil Height:	1.10	27.9	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:	3.2	0.113	liters cubic ft.
Net Weight:	10.1	4.6	lbs. kg
Power Rating:	250	500	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.