

Model: P1S4-12

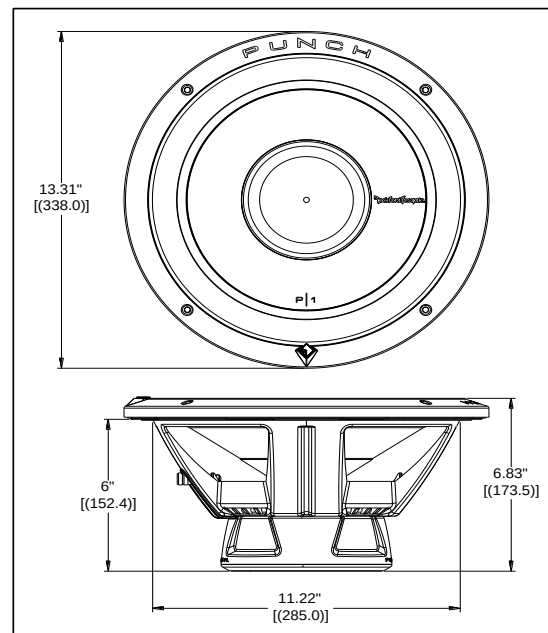
Type: SVC Subwoofer

Power Rating: 250 Watts (RMS)

Impedance: 4 ohms


Features

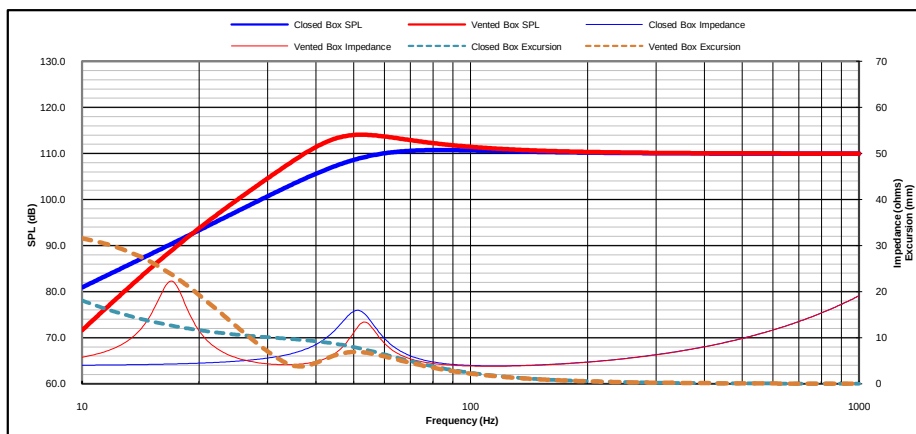
- High modulus Kevlar™ re-inforced paper-pulp cone.
- Tear & fatigue resistant poly-cotton spider.
- High Density NBR (Nitrile Butadiene Rubber) surround.
- High temp 2" voice coil with spun-laced Nomex™ insulating re-inforcement collar.
- Optimized motor magnetics with extended pole and bumped vented 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) Hz	System (Qtc)	-3dB (F3) Hz	Port Dia.		Port Length	
	Liters	cu.ft.				in.	cm	in.	cm
Sealed:	28.9	1.02	43.7	0.88	43.7	-	-	-	-
Ported:	50.7	1.79	36.3	-	33.0	3.0	76.2	8.1	20.5

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
Woofer Displacement:	3.2	0.113	liters cubic ft.
Net Weight:	10.1	4.6	lbs. kg
Power Rating:	250	500	RMS Peak

Thiele-Small Specifications

Fs (Hz):	25.0
Re (Ohms):	3.60
Le (mH):	3.0
Qts:	0.48
Qes:	0.56
Qms:	3.40
Cms (mm/N):	0.21
Vas (L):	88.3
Mms (g):	194.9
Mmd (g):	187.5
Rms (kg/s):	9.0
Airload (g):	7.4
No (%):	0.24
SPL (dB - 1W/1M):	86.0
BL (T*M):	14.0
*Xmax ₁₀ (mm):	9.4
Sd (cm ²):	548
EBP:	45
Krm (mOhms):	0.30
Erm:	1.32
Kxm (mH):	20.0
Exm:	0.82
Rem (Ohms):	30.95

* 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.