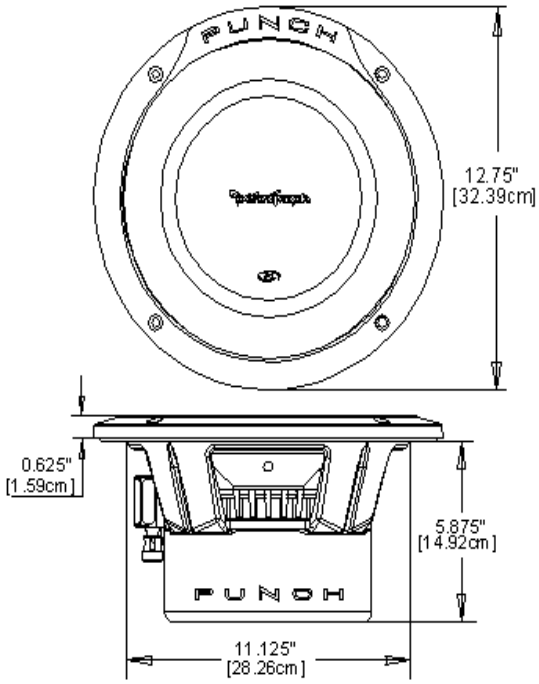
Model: P1S412
Type: DVC Subwoofer
Power Rating: 150 Watts
Impedance: (1) x 4 ohms



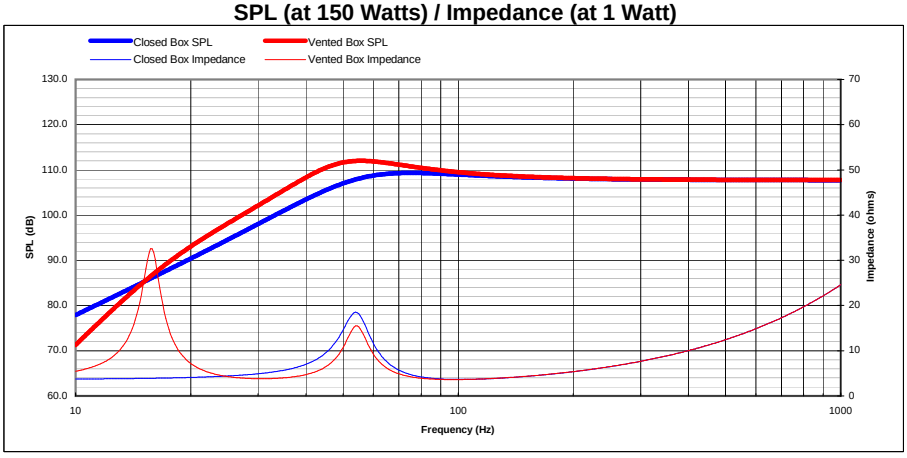
Features

- High modulus closed conical cone and ABS/Acrylic dustcap assembly.
- Mineral-filled polypropylene thermo-formed cone.
- Tear & fatigue resistant poly-cotton spider.
- High density compressed half-roll sealed poly-foam surround.
- High temp voice coil with spun-laced Nomex™ insulating reinforcement collar.
- Optimized motor magnetics with extended pole and bumped backplate.
- Fatigue resistant and reduced strain "stitched on" flexible lead wire design.
- Multi-point high-temp/high-strength neck joint bonding technique.
- Rigid compound bend 16 gauge cold-rolled stamped steel frame.
- Custom insulated/isolated compression input terminal assembly.
- Proprietary spider venting/cooling technique.
- Semi-flexible PVC removable protective motor cover.

Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb)	System	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.	Hz	(Qtc)	Hz	in.	mm	in.	mm
Sealed:	28.9	1.02	42.9	1.01	43.0	-	-	-	-
Ported:	50.7	1.79	34.4	-	33.8	3.0	76.2	6.0	152.4

SPL (at 150 Watts) / Impedance (at 1 Watt)



Technical Specifications

Voice Coil Diameter:	1.5	38.1	inches | mm
Voice Coil Height:	0.984	25.0	inches | mm
Voice Coil Layers:	6		layers
Magnetic Gap Height:	0.394	10.0	inches | mm
Linear Excursion, pk-pk (Xmax):	0.295	7.5	inches | mm
Maximum Excursion, pk-pk:	1.97	50.0	inches | mm
Magnet Weight:	38	1.08	oz. | kg
Woofer Displacement:	1.36	0.048	liters | cubic ft.
Net Weight:	9.7	4.4	lbs. | kg
Power Rating:	150	300	RMS | Peak

Thiele-Small Specifications

Fs (Hz):	25.0
Re (Ohms):	3.40
Le (mH):	3.9
Qts:	0.54
Qes:	0.58
Qms:	7.30
Cms (m/N):	0.26
Vas (L):	109.0
Mms (g):	156.3
Mmd (g):	149.2
Rms (kg/s):	3.3
Airload (g):	7.1
No (%):	0.25
SPL (dB - 1W/1M):	86.0
BL (T*M):	11.9
*$Xmax_{10}$ (mm):	9.0
Sd (cm2):	540
EBP:	43
Krm (mOhms):	1.10
Erm:	1.17
Kxm (mH):	64.6
Exm:	0.70
Rem (Ohms):	30.57

* 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. $Xmax_{10}$ represents actual effective excursion at <10% THD.

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

Specifications subject to change without notice.