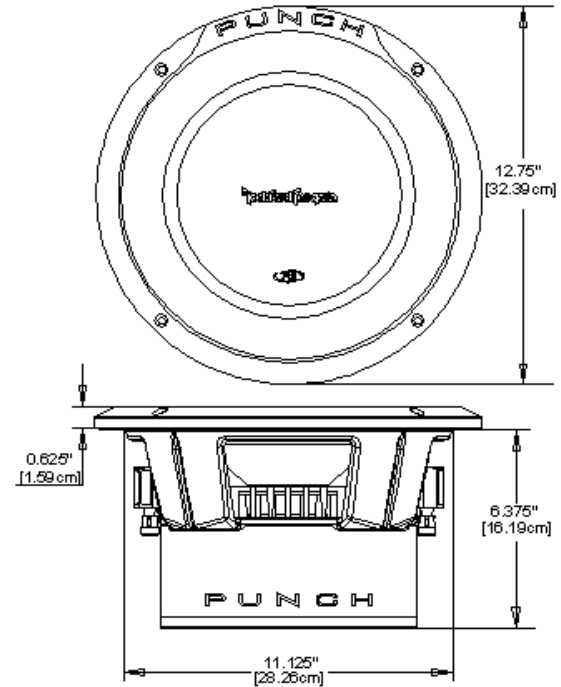


Model: P2D412

Type: DVC Subwoofer

Power Rating: 250 Watts

Impedance: (2) 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.
- Double stack ferrite magnet structure.
- 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 "Venturi effect" venting/cooling technique.
- Diamond-cut cast aluminum motor cover for improved heat dissipation.

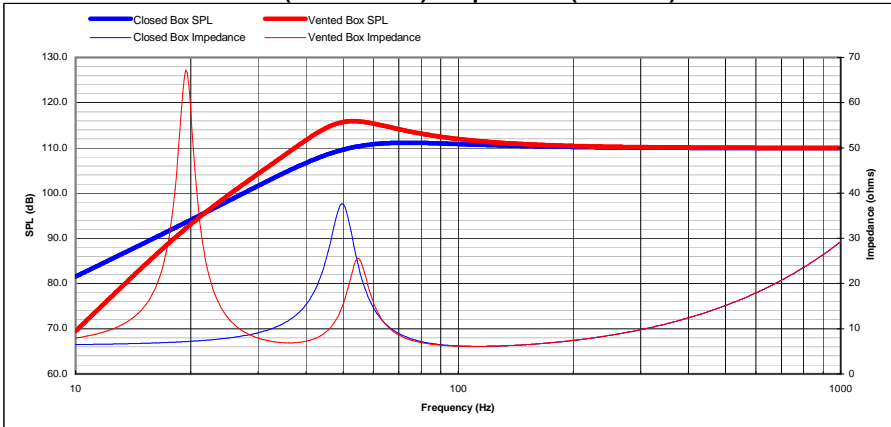
Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb)	System (Qt)	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.	Hz		Hz	in.	mm	in.	mm
Sealed:	28.9	1.02	40.6	0.96	40.7	-	-	-	-
Ported:	50.7	1.79	39.5	-	33.3	4.0	101.6	10.0	254.0

Thiele-Small Specifications

- Fs (Hz): 27.0
- Re (Ohms): 5.90
- Le (mH): 4.6
- Qts: 0.58
- Qes: 0.62
- Qms: 9.30
- Cms (m/N): 0.19
- Vas (L): 70.3
- Mms (g): 182.2
- Mmd (g): 175.7
- Rms (kg/s): 3.3
- Airload (g): 6.5
- No (%): 0.25
- SPL (dB - 1W/1M): 86.0
- BL (T*M): 17.0
- *Xmax₁₀ (mm): 13.2
- Sd (cm²): 510
- EBP: 44
- Krm (mOhms): 1.40
- Erm: 1.15
- Kxm (mH): 91.6
- Exm: 0.67
- Rem (Ohms): 32.66

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



Technical Specifications

Voice Coil Diameter:	2	50.8	inches mm
Voice Coil Height:	1.26	32.0	inches mm
Voice Coil Layers:	4		layers
Magnetic Gap Height:	0.394	10.0	inches mm
Linear Excursion, pk-pk (Xmax):	0.433	11.0	inches mm
Maximum Excursion, pk-pk:	1.97	50.0	inches mm
Magnet Weight:	56	1.59	oz. kg
Woofer Displacement:	1.61	0.057	liters cubic ft.
Net Weight:	13.2	6.0	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.