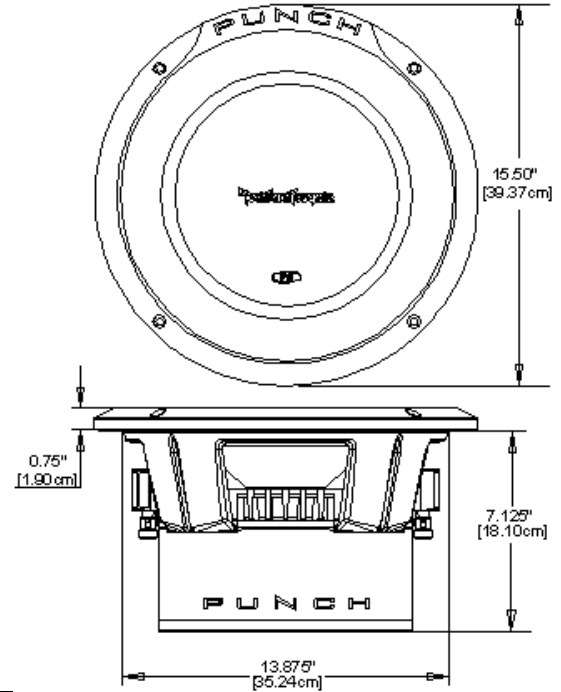


Model: P2D415

Type: DVC Subwoofer

Power Rating: 250 Watts

Impedance: (2) x 4 ohms



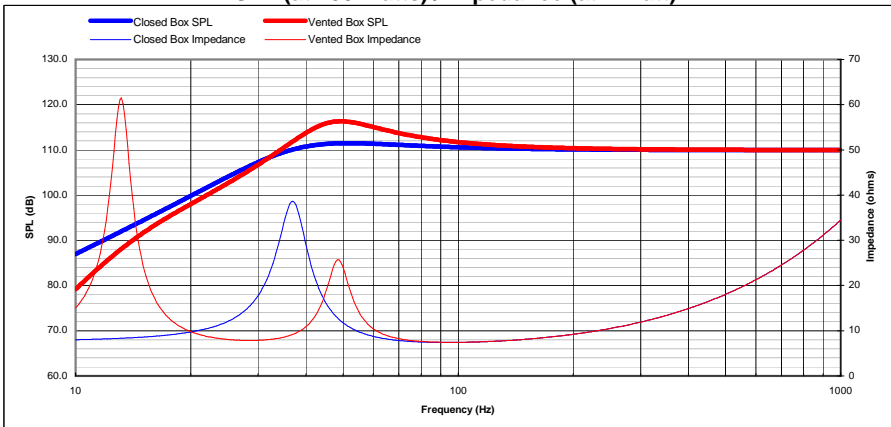
Features

- 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 (Qtc)	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.	Hz		Hz	in.	mm	in.	mm
Sealed:	75.3	2.66	29.1	1.03	29.4	-	-	-	-
Ported:	72.2	2.55	32.0	-	30.3	4.0	101.6	10.0	254.0

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



Thiele-Small Specifications

- Fs (Hz): 20.0
- Re (Ohms): 7.20
- Le (mH): 5.4
- Qts: 0.62
- Qes: 0.67
- Qms: 7.00
- Cms (m/N): 0.22
- Vas (L): 190.0
- Mms (g): 288.1
- Mmd (g): 275.5
- Rms (kg/s): 5.1
- Airload (g): 12.6
- No (%): 0.25
- SPL (dB - 1W/1M): 86.0
- BL (T*M): 19.5
- *Xmax₁₀ (mm): 15.0
- Sd (cm²): 790
- EBP: 30
- Krm (mOhms): 3.30
- Erm: 1.07
- Kxm (mH): 126.7
- Exm: 0.66
- Rem (Ohms): 38.24

* 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	50.8	inches mm
Voice Coil Height:	1.38	35.1	inches mm
Voice Coil Layers:	4		layers
Magnetic Gap Height:	0.394	10.0	inches mm
Linear Excursion, pk-pk (Xmax):	0.492	12.5	inches mm
Maximum Excursion, pk-pk:	1.97	50.0	inches mm
Magnet Weight:	78	2.21	oz. kg
Woofer Displacement:	1.87	0.066	liters cubic ft.
Net Weight:	16.1	7.3	lbs. kg
Power Rating:	250	500	RMS Peak

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

Specifications subject to change without notice.