

Model: P3D410
Type: DVC Subwoofer
Power Rating: 400 Watts
Impedance: (2) x 4 ohms



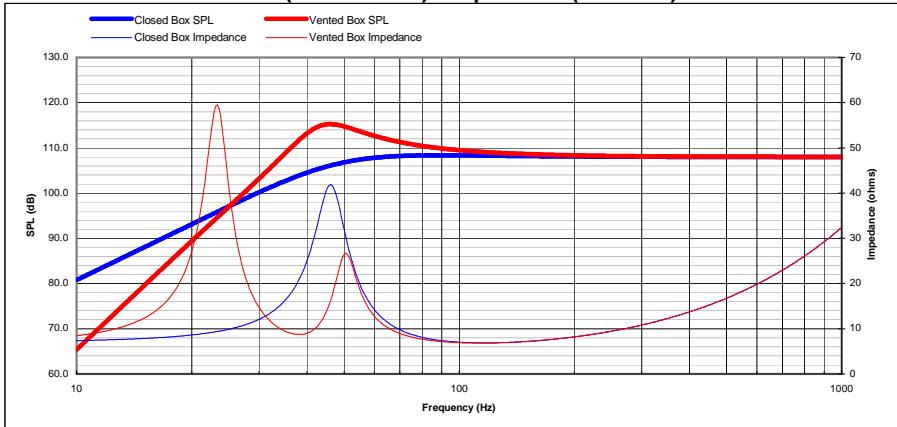
Features

- High modulus closed conical cone and ABS/Acrylic dustcap assembly.
- Kevlar fiber reinforced semi-pressed paper cone.
- Tear & fatigue resistant poly-cotton spider.
- Tall profile 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 die-cast aluminum 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

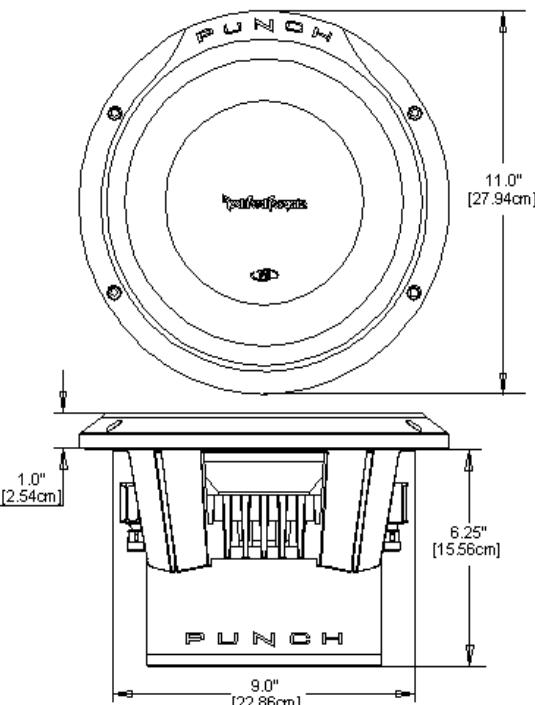
Enclosure	Volume (Vb)		Tuning(Fb)		System (Qtc)	-3dB (F3)		Port Dia.	Port Length
	Liters	cu.ft.	Hz	Hz		in.	mm		
Sealed:	17.0	0.60	41.3	0.81	41.5	-	-	-	-
Ported:	39.6	1.40	40.5	-	31.6	4.0	101.6	14.0	355.6

SPL (at 400 Watts) / Impedance (at 1 Watt)



Technical Specifications

Voice Coil Diameter:	2.5	63.5	inches mm
Voice Coil Height:	1.46	37.1	inches mm
Voice Coil Layers:	4		layers
Magnetic Gap Height:	0.394	10.0	inches mm
Linear Excursion, pk-pk (Xmax):	0.53	13.5	inches mm
Maximum Excursion, pk-pk:	2.17	55.1	inches mm
Magnet Weight:	72	2.04	oz. kg
Woofer Displacement:	2.1	0.074	liters cubic ft.
Net Weight:	16.5	7.5	lbs. kg
Power Rating:	400	800	RMS Peak



Thiele-Small Specifications

Fs (Hz): 29.0
Re (Ohms): 6.60
Le (mH): 5.1
Qts: 0.55
Qes: 0.60
Qms: 6.00
Cms (m/N): 0.18
Vas (L): 24.5
Mms (g): 164.6
Mmd (g): 161.5
Rms (kg/s): 5.0
Airload (g): 3.1
No (%): 0.1
SPL (dB - 1W/1M): 82.0
BL (T*M): 18.4
***Xmax₁₀ (mm):** 16.2
Sd (cm²): 310
EBP: 48
Krm (mOhms): 3.03
Erm: 1.08
Kxm (mH): 177.3
Exm: 0.59
Rem (Ohms): 38.32

* 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.