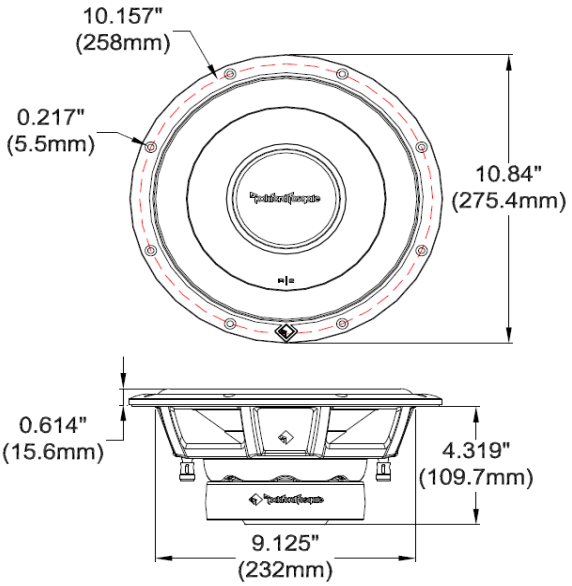
Model: R2D4-10
Type: DVC Subwoofer
Power Rating: 250 Watts (RMS)
Impedance: (2) 4 ohms



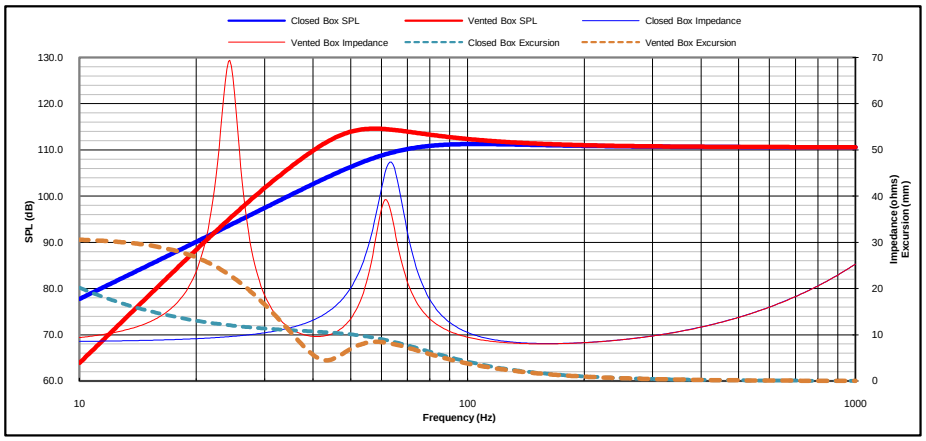
Features

- Injection molded polypropylene cone.
- Tear & fatigue resistant poly-cotton spider.
- High density compressed half-roll sealed poly-foam surround.
- High temp copper voice coil with aluminum former
- Optimized motor magnetics with extended pole and bumped vented backplate.
- Fatigue resistant and reduced strain "stitched on" flexible lead wire design.
- Multi-point high-temp/high-strength neck joint bonding technique.
- Heavy guage proprietary stamped steel frame
- Semi-flexible PVC removable protective motor cover.
- All metal compression input terminal assembly.

Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb)	System	-3dB (F3)	Port Dia.		Port Length	
	Liters	cu.ft.	Hz	(Qtc)	Hz	in.	cm	in.	cm
Sealed:	16.7	0.59	54.0	0.87	54.4	-	-	-	-
Ported:	39.6	1.40	43.0	-	36.7	4.0	101.6	13.1	33.3

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



Technical Specifications

Voice Coil Diameter:	1.949	49.505	inches | mm
Voice Coil Height:	0.748	19.0	inches | mm
Voice Coil Layers:	4		layers
Magnetic Gap Height:	0.236	6.0	inches | mm
Linear Excursion, (Xmax):	0.256	6.5	inches | mm
Maximum Excursion (mech), pk-pk:	1.28	32.5	inches | mm
Magnet Weight:	43	1.22	oz. | kg
Woofer Displacement:	1.1	0.039	liters | cubic ft.
Net Weight:	7.9	3.6	lbs. | kg
Power Rating:	250	500	RMS | Peak

Thiele-Small Specifications

Fs (Hz):	34.9
Re (Ohms):	7.83
Le (mH):	3.9
Qts:	0.53
Qes:	0.58
Qms:	6.44
Cms (mm/N):	0.24
Vas (L):	38.4
Mms (g):	88.5
Mmd (g):	84.9
Rms (kg/s):	3.0
Airload (g):	3.6
No (%):	0.27
SPL (dB - 1W/1M):	86.6
BL (T*M):	16.2
*$Xmax_{10}$ (mm):	6.5
Sd (cm2):	339.8
EBP:	60.17
Krm (mOhms):	1.53
Erm:	0.71
Kxm (mH):	10.8
Exm:	0.83
Rem (Ohms):	0.76

* 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.