

R2-Series SUBWOOFER HAUT-PARLEUR D'EXTRÊMES GRAVES R2-Series APPLICATION GUIDE GUIDE D' APPLICATION

R2-W12D4

12 Inch Dual Voice Coil Subwoofer $(4\Omega)+(4\Omega)$ Haut-parleur d'extrêmes graves à double bobine 12 po $(4\Omega)+(4\Omega)$

R2-W12D2

12 Inch Dual Voice Coil Subwoofer $(2\Omega)+(2\Omega)$ Haut-parleur d'extrêmes graves à double bobine 12 po $(2\Omega)+(2\Omega)$

R2-W10D4

10 Inch Dual Voice Coil Subwoofer $(4\Omega)+(4\Omega)$ Haut-parleur d'extrêmes graves à double bobine 10 po $(4\Omega)+(4\Omega)$

R2-W10D2

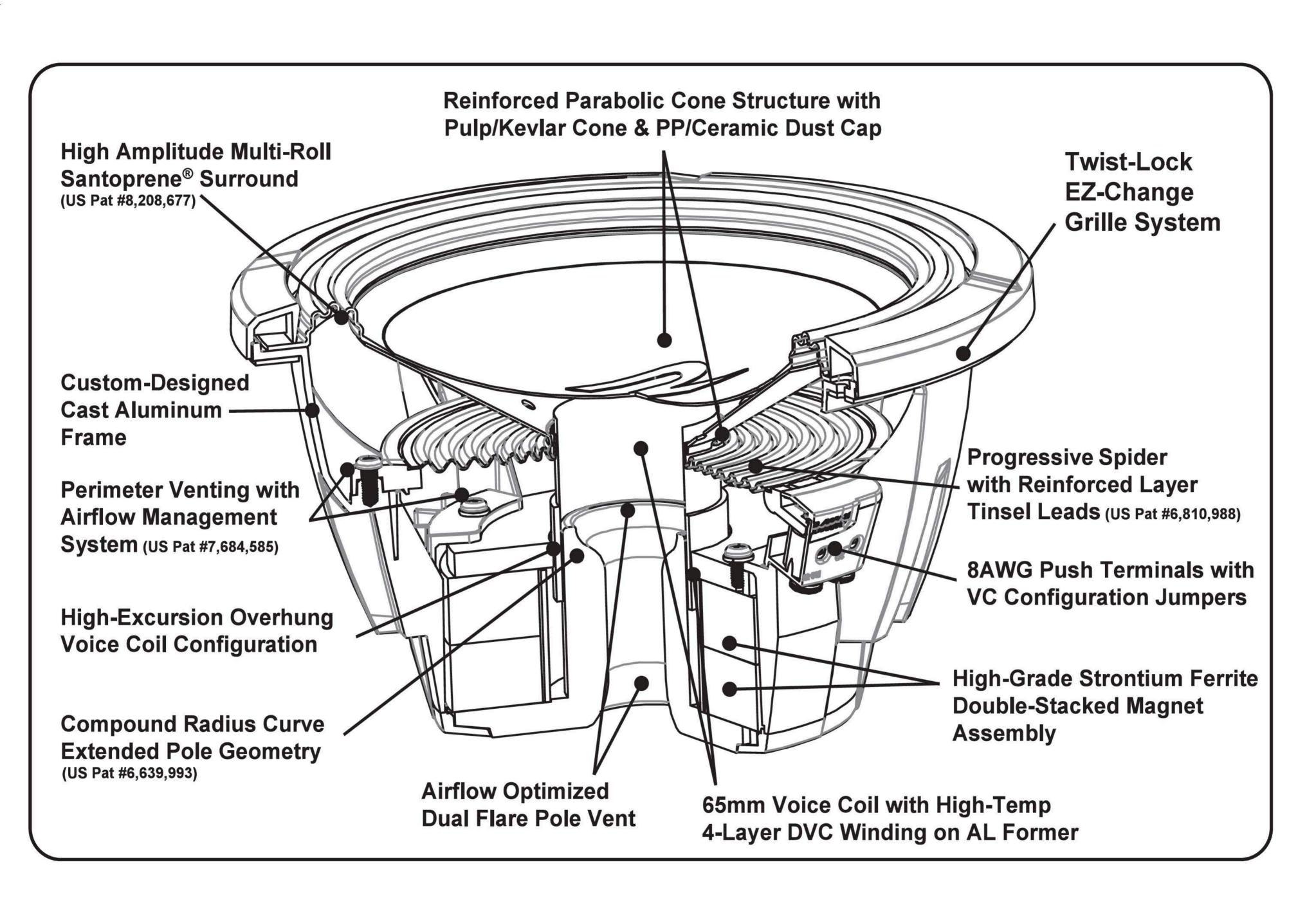
10 Inch Dual Voice Coil Subwoofer $(2\Omega)+(2\Omega)$ Haut-parleur d'extrêmes graves à double bobine 10 po $(2\Omega)+(2\Omega)$

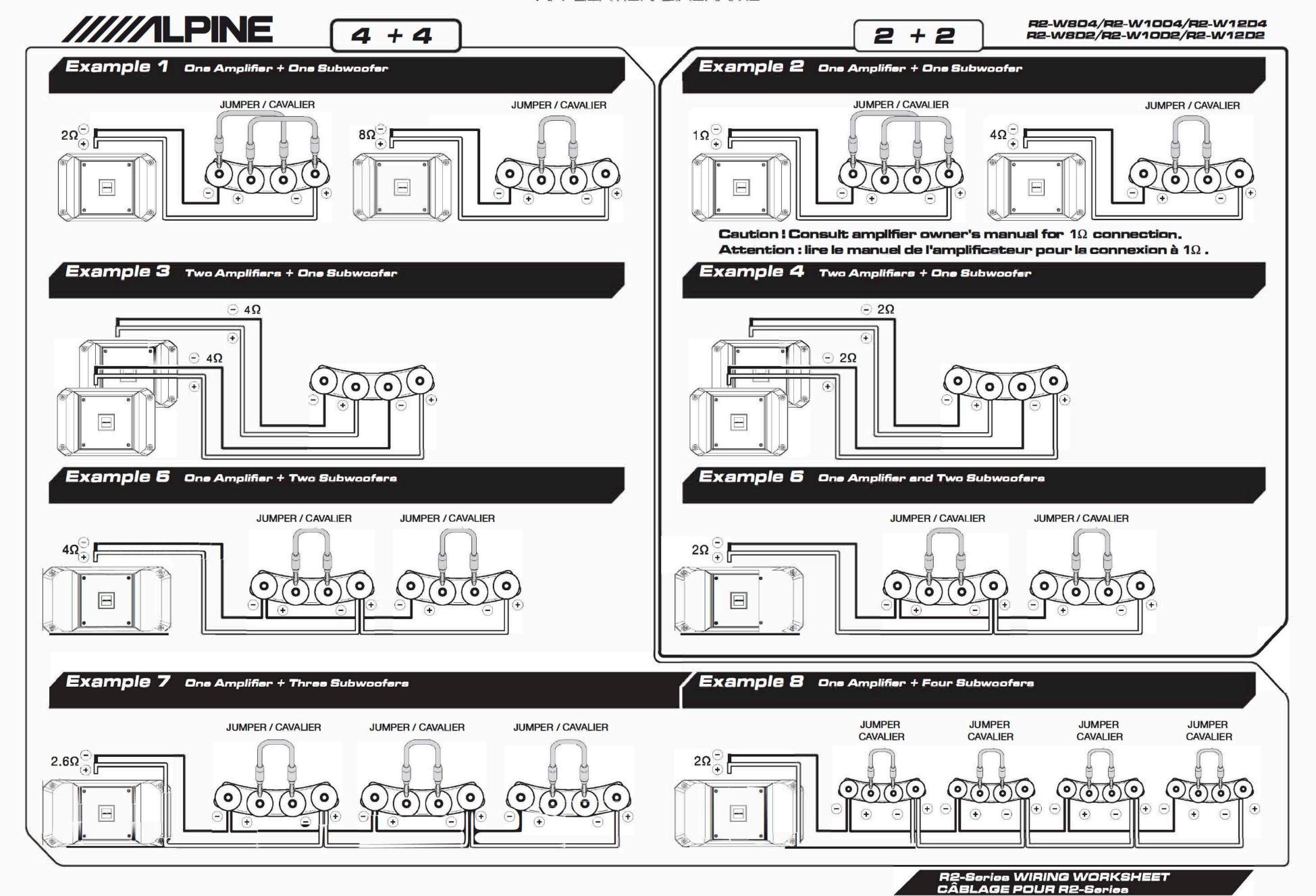
R2-W8D4

8 Inch Dual Voice Coil Subwoofer $(4\Omega)+(4\Omega)$ Haut-parleur d'extrêmes graves à double bobine 8 po $(4\Omega)+(4\Omega)$

R2-W8D2

8 Inch Dual Voice Coil Subwoofer $(2\Omega)+(2\Omega)$ Haut-parleur d'extrêmes graves à double bobine 8 po $(2\Omega)+(2\Omega)$





General Specifications				
Sealed		Taille		
Frequency Respons	e	Response en Fré	quence	
Power Range		Plage de Puiss	ance	
Power Handling		Puisance Admi	ssible	
Magnet Weight		Poids de l'ain	nant	
Voice Coil Diamete	r	Diamètre de la bobine		
Thiel-Small Parameters				
Sensitivity (1W/1m)	Sensibilité (1W/1m)		SPL	
DC Resistance	Résistance CC		Re	
Free Air Resonance	Résonance à l'air libre		Fs	
Equivalent Stiffness	Raiduer équivalente		Vas	
Mechanical Q	Q Méchanique		Qms	
Electrical Q	Q Électrique		Qes	
Total Q	Q Total		Qts	
Cone Area	Surface du diaphragme		Sd	
Linear Excursion	Displacement Linéare		Xmax (1-way)	
Mechanical Travel	Déplacement Mécanique		Xmech (P-P)	

R2-Series					
R2-W8D2	R2-W8D4	R2-W10D2	R2-W10D4	R2-W12D2	R2-W12D4
2 Ω+ 2 Ω	4Ω+4Ω	2 Ω+ 2 Ω	4Ω+4Ω	2Ω+2Ω	4Ω+4Ω
8"		10"		12"	
30Hz-	200Hz	26Hz-	200Hz	24Hz-200Hz	
150W-35	0W RMS	300W-750W RMS			
350W RMS 1000W PEA	The second secon		750W RMS 2250W PEA	7.	
56	56 oz		123 oz 144 oz		OZ
40 mm	ı (1.6")		65.5 mr	m (2.6")	
83.6 dB	83.7 dB	82.3 dB	82.8 dB	85.0 dB	84.6 dB
1.8Ω+1.8Ω	3.6Ω+3.6Ω	1.9Ω+1.9Ω	3.5Ω+3.5Ω	1.9Ω+1.9Ω	3.5Ω+3.5Ω
42 Hz	43 Hz	31 Hz	32 Hz	29 Hz	30 Hz
10.1L	10.5 L	18.2 L	18.2 L	36.9 L	32.8 L
7.69	7.08	7.07	6.50	6.32	6.51
0.52	0.58	0.5	0.52	0.44	0.55
0.48	0.53	0.47	0.48	0.41	0.51
201 cm²		333	33 cm ² 479 cm ²		cm²
12n	12mm 20mm				
52mm		70	70mm 72mm		nm

Note: Specifications subject to change without notice

		R2-W8D2/D4	R2-W10D2/D4	R2-W12D2/D4
Sealed Box Range	Net Internal Volume	0.15-0.45 ft³	0.4-0.85 ft ³	0.55-1.0 ft³
Recommened Sealed Box	External Box Dimensions	13" x 13" x 5.5"	12" x 12" x 10.5"	14" x 14" x 11"
	Gross Internal Volume	0.30 ft ³	0.58 ft³	0.85 ft³
	Net Internal Volume	0.25 ft³	0.50 ft³	0.75 ft ³
	F3, Qtc	D2: 59 Hz, 0.73 D4: 59 Hz, 0.72	D2: 44 Hz, 0.70 D4: 42 Hz, 0.78	D2: 43 Hz, 0.65 D4: 39 Hz, 0.84
	Net Internal Volume	0.25-0.7 ft³	0.75-1.3 ft³	1.0-1.5 ft³
Vented Box Range	Tuning	36-40Hz	35-39Hz	33-37Hz
	External Box Dimensions	11" x 9.5" x 21"	13" x 11.5" x 25.25"	12.5" x 14" x 25.5"
	Gross Internal Volume	0.86 ft ³	1.58 ft³	1.91 ft³
	Vent Area (dimensions)	8 in² (8" x 1")	15 in² (10" x 1.5")	18.75 in² (12.5" x 1.5")
Recommened	Vent length	17.5"	19.5"	22"
Vented Box	Vent Displacement	0.13 ft³	0.25 ft³	0.36 ft³
	Net Internal Volume (Vb)	0.68 ft ³	1.25 ft ³	1.45 ft³
	F3, ripple, Fb	D2: 33 Hz, 2.5 dB, 39 Hz D4: 32 Hz, 3.2 dB, 39 Hz	D2: 29 Hz, 6.0 dB, 37 Hz D4: 29 Hz, 6.3 dB, 37 Hz	D2: 29 Hz, 4.3 dB, 36 Hz D4: 28 Hz, 5.8 dB, 36 Hz

Notes:

1) Recommended enclosure net Internal volume is based upon 3/4" (19mm) MDF enclosure construction.

2) Consult the table below for alternative enclosure net internal volume calculation.

Front Mount Displacement* (magnet in)	-0.050 ft ³	-0.08 ft ³	-0.10 ft ³
Reverse Mount Added Volume* (magnet out)	+0.035 ft ³	+0.05 ft ³	+0.09 ft ³

^{*}Based upon 3/4" (19mm) baffle thickness, with opening cut approximately to gasket inner diameter

	Taso .	R2-W8D2/D4	R2-W10D2/D4	R2-W12D2/D4
Gamme Box Sealed	Net volume interne	0.15-0.45 pi³	0.4-0.85 pi ³	0.55-1.0 pi ³
Recommened Boîte Scellé	Dimensions extérieures	13 po x 13 po x 5.5 po	12 po x 12 po x 10.5 po	14 po x 14 po x 11 po
	Volume intérieur brut	0.30 pi ³	0.58 pi³	0.85 pi ³
	Volume intérieur Net ***	0.25 pi ³	0.50 pi ³	0.75 pi³
	F3,Qtc	D2: 59 Hz, 0.73 D4: 59 Hz, 0.72	D2: 44 Hz, 0.70 D4: 42 Hz, 0.78	D2: 43 Hz, 0.65 D4: 39 Hz, 0.84
Gamme charge bass-reflex	Volume net interne	0.25-0.7 pi ³	0.75-1.3 pi ³	1.0-1.5 pi ³
	mise au point	36-40Hz	35-39Hz	33-37Hz
	Dimensions extérieures	11 po x 9.5" po x 21 po	13 po x 11.5 po x 25.25 po	12.5 po x 14 po x 25.5 po
	Volume intérieur brut	0.86 pi ³	1.58 pi³	1.91 pi³
	Aire de l'évent (dimensions)	8 po² (8 po x 1 po)	15 po² (10 po x 1.5 po)	18.75 po² (12.5 po x 1.5 po)
Recommened charge bass-reflex	Longueur de l'évent	17.5 po	19.5 po	22 po
	déplacement de l'évent	0.13 pi³	0.25 pi³	0.36 pi ³
	Volume intérieur Net (Vb)***	0.68 pi ³	1.25 pi³	1.45 pi ^a
	F3, crête, Fb	D2: 33 Hz, 2.5 dB, 39 Hz D4: 32 Hz, 3.2 dB, 39 Hz	D2: 29 Hz, 6.0 dB, 37 Hz D4: 29 Hz, 6.3 dB, 37 Hz	D2: 29 Hz, 4.3 dB, 36 Hz D4: 28 Hz, 5.8 dB, 36 Hz

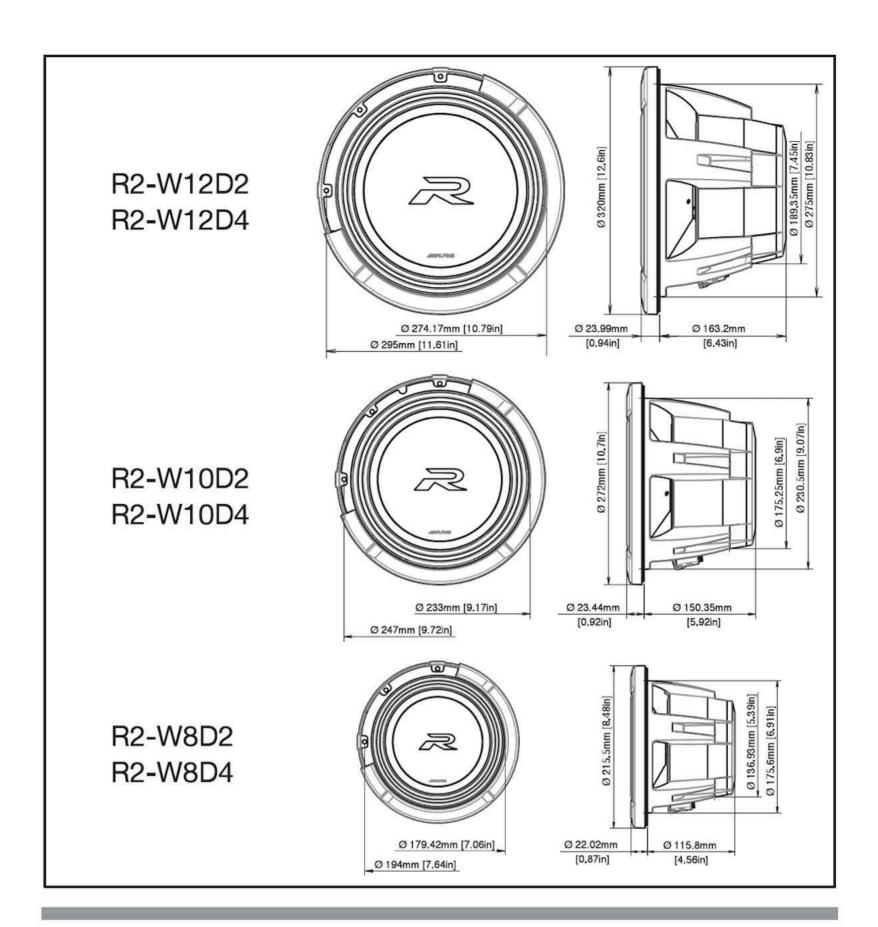
Notes:

1) Recommandé enceinte volume net interne est basée sur 3/4 "(19mm) de construction boîtier en MDF.

2) Consulter le tableau ci-dessous pour le calcul de filet d'enclos alternative volume interne.

Avant le déplacement du Mont * (aimant)	-0.050 ft ³	-0.08 ft ³	-0.10 ft ³
Inverser Volume mont Ajouté * (des aimants)	+0.035 ft ³	+0.05 ft ³	+0.09 ft³

^{*} Sur la base de l'épaisseur du déflecteur 3/4" (19mm), avec une ouverture coupée à peu près à joint diamètre intérieur



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