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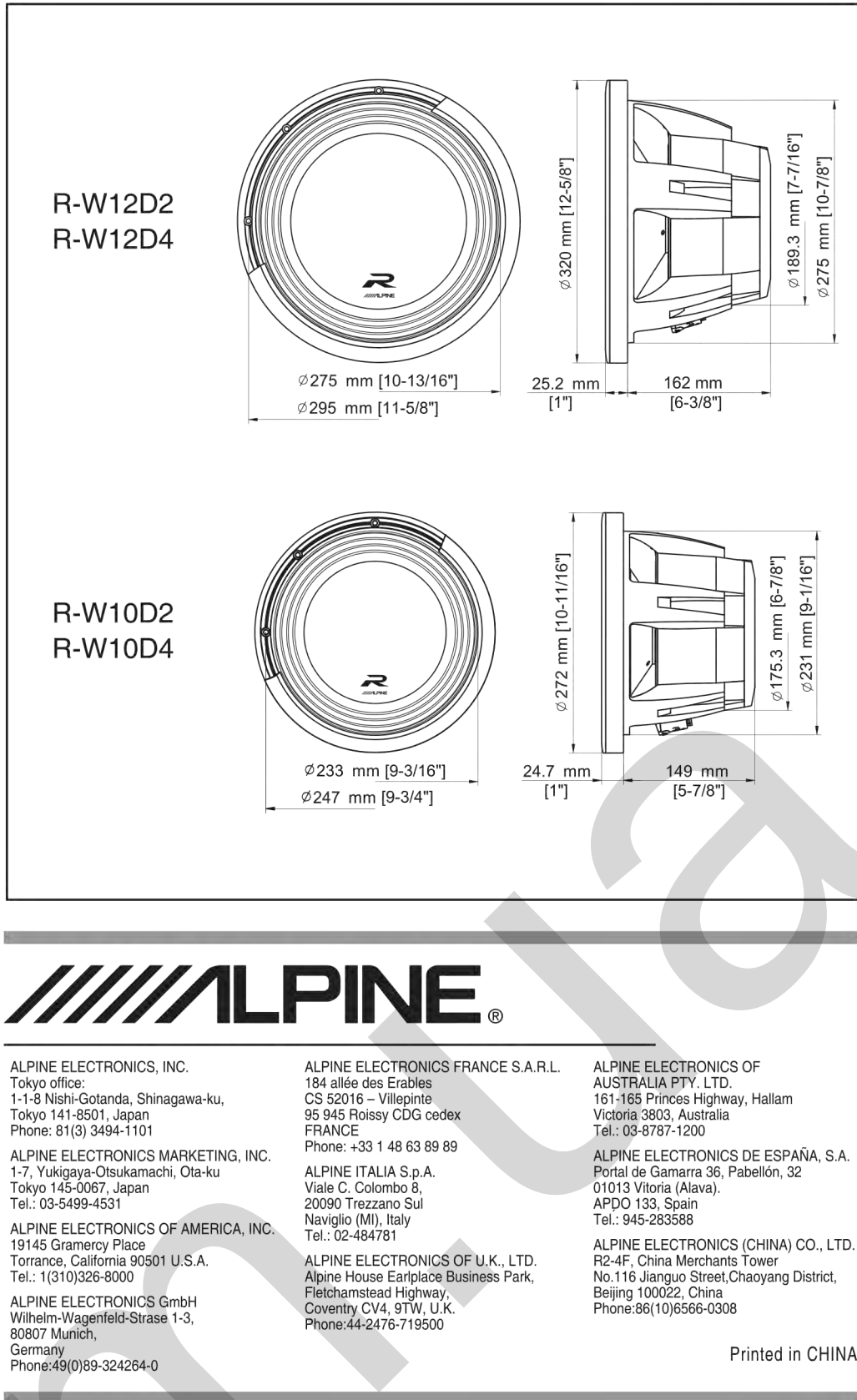
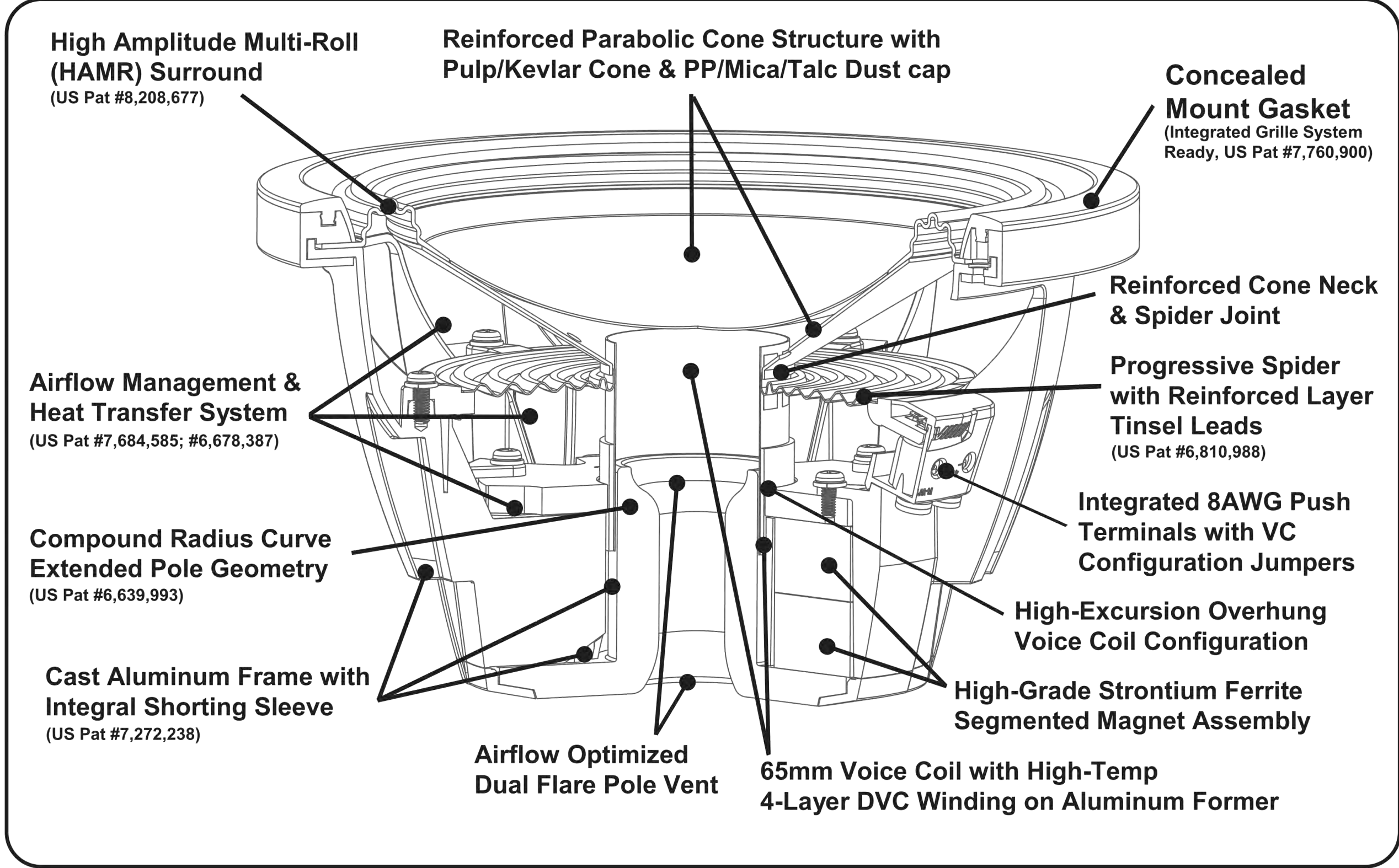
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CAR RECEIVERS — Receivers • Media receivers and stations • Native receivers • CD/DVD changers • FM-modulators/USB adapters • Flash memory • Facia plates and adapters • Antennas • Accessories |
CAR AUDIO — Car audio speakers • Amplifiers • Subwoofers • Processors • Crossovers • Headphones • Accessories | TRIP COMPUTERS — Universal computers • Model computers • Accessories |
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ALPINE

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

R-W12D4
12 Inch Dual Voice Coil Subwoofer (40)+(40)
Haut-parleur d'extrêmes graves à double bobine 12 po (40)+(40)

R-W12D2
12 Inch Dual Voice Coil Subwoofer (20)+(20)
Haut-parleur d'extrêmes graves à double bobine 12 po (20)+(20)

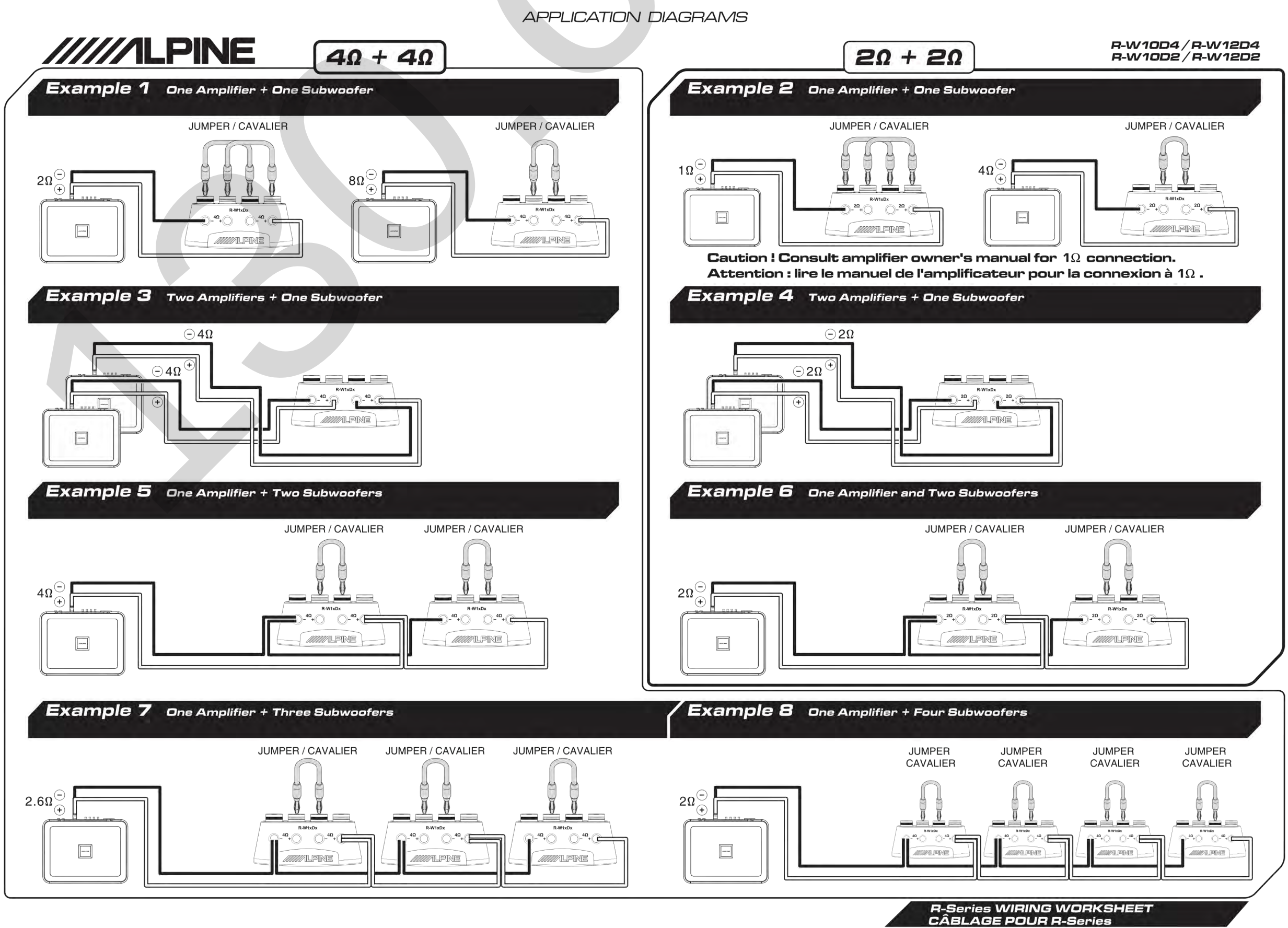
R-W10D4
10 Inch Dual Voice Coil Subwoofer (40)+(40)
Haut-parleur d'extrêmes graves à double bobine 10 po (40)+(40)

R-W10D2
10 Inch Dual Voice Coil Subwoofer (20)+(20)
Haut-parleur d'extrêmes graves à double bobine 10 po (20)+(20)

General Specifications		
Size	Taille	
Frequency Response	Response en Fréquence	
Power Range	Plage de Puissance	
Power Handling	Puissance Admissible	
Magnet Weight	Poids de l'aimant	
Voice Coil Diameter	Diamètre de la bobine	
Thiele-Small Parameters		
Sensitivity (1W/1m)	Sensibilité (1W/1m)	SPL
DC Resistance	Résistance DC	Re
Inductance	Inductance	Le
Free Air Resonance	Résonance à l'air libre	Fs
Equivalent Stiffness	Raideur équivalente	Vas
Mechanical Q	Q Mécanique	Qms
Electrical Q	Q Électrique	Qes
Total Q	Q Total	Qts
Cone Area	Surface du diaphragme	Sd
Linear Excursion	Déplacement Linéaire	Xmax (1-way)
Mechanical Travel	Déplacement Mécanique	Xmech (P-P)

R-Series			
R-W10D2	R-W10D4	R-W12D2	R-W12D4
20+20	40+40	20+20	40+40
10"		12"	
26Hz-200Hz		24Hz-200Hz	
300W-750W RMS (efficace)			
750W RMS (efficace) / 2250W PEAK (de crête)			
111 oz		127 oz	
65.5 mm (2.6")			
82.4 dB	82.4 dB	84.3 dB	84.7 dB
1.90+1.90	3.60+3.60	1.90+1.90	3.60+3.60
2.72 mH	4.46 mH	3.00 mH	4.46 mH
30 Hz	31 Hz	27 Hz	28 Hz
21 L	20 L	51 L	48 L
8.03	7.71	7.56	7.15
0.50	0.59	0.53	0.61
0.47	0.55	0.49	0.56
333cm²		479 cm²	
20 mm			
70 mm		72 mm	

Note: Specifications subject to change without notice



		R-W10D2/D4	R-W12D2/D4
Sealed Box Range	Net Internal Volume	0.4-0.85 ft³	0.55-1.0 ft³
Recommended Sealed Box	External Box Dimensions	12"x12"x10.5"	14"x14"x11"
	Gross Internal Volume	0.58 ft³	0.85 ft³
	Net Internal Volume	0.50 ft³	0.75 ft³
Vented Box Range	F3, Qtc	D2: 44 Hz, 0.71 D4: 38 Hz, 0.89	D2: 40 Hz, 0.82 D4: 37 Hz, 1.00
	Net Internal Volume	0.75-1.3 ft³	1.0-1.5 ft³
Recommended Vented Box	Fb, Tuning	35-39 Hz	32-37 Hz
	External Box Dimensions	23" x 12" x 11.5"	23" x 12.5" x 14"
	Gross Internal Volume	1.3 ft³	1.71 ft³
	Vent Area (W x H)	10 in² (10"x11")	12.5 in² (12.5"x11")
	Vent Length	17"	16"
	Vent Displacement	0.2 ft³	0.23 ft³
	Net Internal Volume (Vb)	1.0 ft³	1.38 ft³
F3, ripple, Fb	D2: 29Hz, 4.6dB, 36Hz D4: 28Hz, 6.1dB, 36Hz	D2: 30Hz, 4.6dB, 35Hz D4: 29Hz, 5.9dB, 35Hz	

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)	-0.08 ft³	-0.10 ft³
Reverse Mount Added Volume* (magnet out)	+0.05 ft³	+0.09 ft³

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

Gamme Box Sealed	Volume intérieur net	R-W10D2/D4	R-W12D2/D4
		0.4-0.85 pi³	0.55-1.0 pi³
recommended Boîte Scellée	Dimensions de la boîte extérieures	12 po x 12 po x 10.5 po	14 po x 14 po x 11 po
	Volume intérieur brut	0.58 pi³	0.85 pi³
	Volume intérieur Net***	0.50 pi³	0.75 pi³
	F3 Qtc	D2: 44 Hz, 0.71 D4: 38 Hz, 0.89	D2: 40 Hz, 0.82 D4: 37 Hz, 1.00
Gamme charge bass-reflex	Volume intérieur net	0.75-1.3 pi³	1.0-1.5 pi³
	Fb, mise au point	35-39Hz	32-37Hz
recommended charge bass-reflex	Dimensions de la boîte extérieures	23 po x 12 po x 11.5 po	23 po x 12.5 po x 14 po
	Volume intérieur brut	1.3 pi³	1.71 pi³
	Aire de l'évent (W x H)	10 in² (10 po x 1 po)	12.5 in² (12.5 po x 1 po)
	Longueur de l'évent	17 po	16 po
	Déplacement de l'évent	0.2 pi³	0.23 pi³
	Volume intérieur Net (Vb)***	1.0 pi³	1.38 pi³
	F3, crête, Fb	D2: 29Hz, 4.6dB, 36Hz D4: 28Hz, 6.1dB, 36Hz	D2: 30Hz, 4.6dB, 35Hz D4: 29Hz, 5.9dB, 35Hz

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)	-0.08 ft³	-0.10 ft³
Inverser Volume mont Ajouté* (des aimants)	+0.05 ft³	+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