

Recommended Box Designs

TYPE-S SUBWOOFER HAUT-PARLEUR D'EXTRÊMES GRAVES TYPE-S APPLICATION GUIDE GUIDE D' APPLICATION

SWS-15D4

15 Inch Dual Voice Coil Subwoofer (4D)+(4D)
Haut-parleur d'extrêmes graves à double bobine 15 po (4D)+(4D)

SWS-15D2

15 Inch Dual Voice Coil Subwoofer (2D)+(2D)
Haut-parleur d'extrêmes graves à double bobine 15 po (2D)+(2D)

SWS-12D4

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

SWS-12D2

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

SWS-10D4

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

SWS-10D2

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

		SWS-10D2/D4	SWS-12D2/D4	SWS-15D2/D4
Sealed Box Range	Net Internal Volume	0.5-0.85 ft ³	0.65-1.0 ft ³	1.25-2.0 ft ³
Recommended Sealed Box	External Box Dimensions	12"x12"x10"	14"x14"x11.5"	16"x16"x12.5"
	Gross Internal Volume	0.54 ft ³	0.90 ft ³	1.34 ft ³
	Net Internal Volume	0.50 ft ³	0.85 ft ³	1.27 ft ³
	F3, Qtc	D2: 54 Hz, 0.78 D4: 54 Hz, 0.73	D2: 47 Hz, 0.96 D4: 49 Hz, 0.91	D2: 46 Hz, 0.91 D4: 48 Hz, 0.83
Vented Box Range	Net Internal Volume	0.75-1.3 ft ³	1.0-1.5 ft ³	2.0-3.0 ft ³
	Tuning	35-39Hz	32-37Hz	28-32Hz
Recommended Vented Box	External Box Dimensions	21.5"x12"x11.5"	22.5"x12.5"x14"	25"x15.5"x17.5"
	Gross Internal Volume	1.22 ft ³	1.67 ft ³	3.05 ft ³
	Vent Area (dimensions)	10in ² (10"x 1")	12.5in ² (12.5"x 1")	20in ² (16"x 1.25")
	Vent Length	18"	18"	21"
	Vent Displacement	0.18 ft ³	0.22 ft ³	0.38 ft ³
	Net Internal Volume (Vb)	1.0 ft ³	1.4 ft ³	2.6 ft ³
	F3, ripple, Fb	D2: 32Hz, 3.1dB, 38Hz D4: 32Hz, 2.5dB, 38Hz	D2: 32Hz, 4.4dB, 36Hz D4: 31Hz, 4.1dB, 36Hz	D2: 29Hz, 3.1dB, 31Hz D4: 29Hz, 2.6dB, 31Hz

Notes:

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

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

SWR-12D4

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

SWR-12D2

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

SWR-10D4

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

SWR-10D2

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

SWR-8D4

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

SWR-8D2

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

		SWR-10D2/D4	SWR-12D2/D4	SWR-8D2/D4
Sealed Box Range	Net Internal Volume	0.4-0.85 ft ³	0.55-1.0 ft ³	0.15-0.50 ft ³
Recommended Sealed Box	External Box Dimensions	12"x12"x10.5"	14"x14"x11"	13" x 13" x 5.5"
	Gross Internal Volume	0.58 ft ³	0.85 ft ³	0.30 ft ³
	Net Internal Volume	0.50 ft ³	0.75 ft ³	0.25 ft ³
	F3, Qtc	D2: 46 Hz, 0.74 D4: 44 Hz, 0.79	D2: 45 Hz, 0.75 D4: 45 Hz, 0.81	D2: 59 Hz, 0.72 D4: 59 Hz, 0.72
Vented Box Range	Net Internal Volume	0.75-1.3 ft ³	1.0-1.5 ft ³	0.25-0.7 ft ³
	Tuning	35-39 Hz	32-37 Hz	36-40 Hz
Recommended Vented Box	External Box Dimensions	23" x 12" x 11.5"	23" x 12.5" x 14"	11" x 8.5" x 20"
	Gross Internal Volume	1.3 ft ³	1.71 ft ³	0.70 ft ³
	Aire de l'évent (dimensions)	10 in ² (10"x1")	12.5 in ² (12.5"x1")	5.25 in ² (7" x 0.75")
	Gross Internal Volume	20"	19"	15.5"
	Vent Displacement	0.2 ft ³	0.23 ft ³	0.10 ft ³
	Net Internal Volume (Vb)	1.0 ft ³	1.38 ft ³	0.55 ft ³
	F3, ripple, Fb	D2: 29Hz, 6.1dB, 36Hz D4: 28Hz, 5.8dB, 36Hz	D2: 29Hz, 4.6dB, 35Hz D4: 29Hz, 4.4dB, 35Hz	D2: 32 Hz, 2 dB, 37 Hz D4: 32 Hz, 2 dB, 37 Hz

Notes:

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

TYPE-R THIN SUBWOOFER HAUT-PARLEUR D'EXTRÊMES GRAVES TYPE-R APPLICATION GUIDE GUIDE D' APPLICATION

SWR-T12

12 Inch Single Voice Coil Subwoofer (4D)
Haut-parleur d'extrêmes graves à simple bobine 12 po (4D)

SWR-T10

10 Inch Single Voice Coil Subwoofer (4D)
Haut-parleur d'extrêmes graves à simple bobine 10 po (4D)

Enclosure Information		SWR-T10	SWR-T12
Optimum Sealed Box ***	External Box Dimensions	20" x 12.5" x 5"	24" x 15" x 5.25"
	Gross Internal Volume	0.42 ft ³	0.68 ft ³
	Net Internal Volume**	0.35 ft ³	0.60 ft ³
	F ₃ Q _{tc}	49 Hz, 0.80	45 Hz, 0.95
Vented Box Volume Range (Gross)		0.5-0.75 ft ³	1.0-1.50 ft ³
Optimum Vented Box ***	External Box Dimensions	28" x 13.5" x 5.125"	32" x 21" x 5.25"
	Gross Internal Volume	0.75 ft ³	1.26 ft ³
	Vent Area (dimensions)	7.25 in ² (3.625" x 2")	12.5 in ² (3.625" x 3.5")
	Vent Length	24.5"	28.75"
	Vent Displacement	0.15 ft ³	0.26 ft ³
	Net Internal Volume (V _b)***	0.6 ft ³	1.0 ft ³
	F ₃ , ripple, F _b	29Hz, 4.2dB, 35Hz	27Hz, 5.2dB, 33Hz

Notes:

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

Document Illustrated and Approved By: Jim Dolan / Jim Dolan
Date: 2/24/2015
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1-800-TECH-101

Additional Specifications:
N/A

Circuit Profile
N/A

Revision: 012915 This document will be subjected to change without notice.