



DS18 EXL-XX12.2DHE 12" High Excursion Subwoofer User Manual

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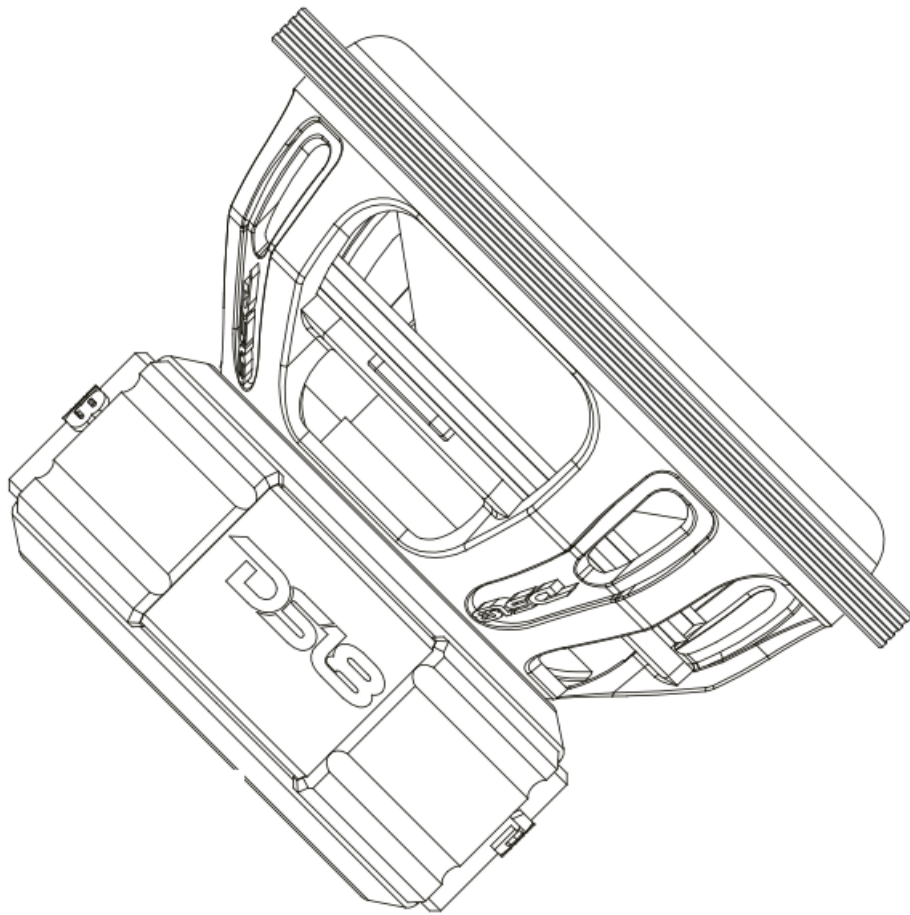


XX12.2DHE 12" High Excursion Subwoofer User Manual

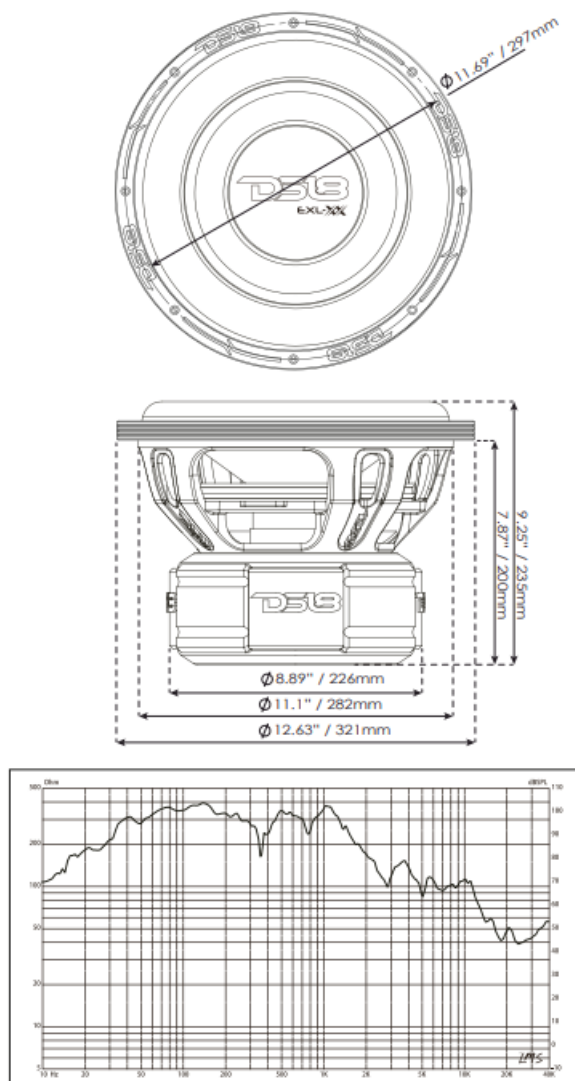
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EXL-XX12.2DHE 12 High Excursion Subwoofer



EXL-XX12.2DHE



Specifications

Nominal Diameter 12"
 Nominal Impedance 2+2 ohms
 RMS Power Handling 2000W
 MAX Power Handling 4000W
 Sensitivity (1w/1m) 87 dB
 Frequency Response 20-1.3KHz
 Recommended Lo Pass Crossover 80 Hz

Motor:

VC Diameter 3" / 75.6mm
 VC Former Material Black Aluminum
 Winding Material CCAW
 Cone Material Paper
 Dust Cap Material Glass Fiber
 Surround Material Foam
 Basket Material Aluminum
 Basket Color/Finish Black
 Magnet Material Ferrite
 Magnet Weight 306 Oz
 Displacement Volume 3.26L

Thiele & Small Parameters

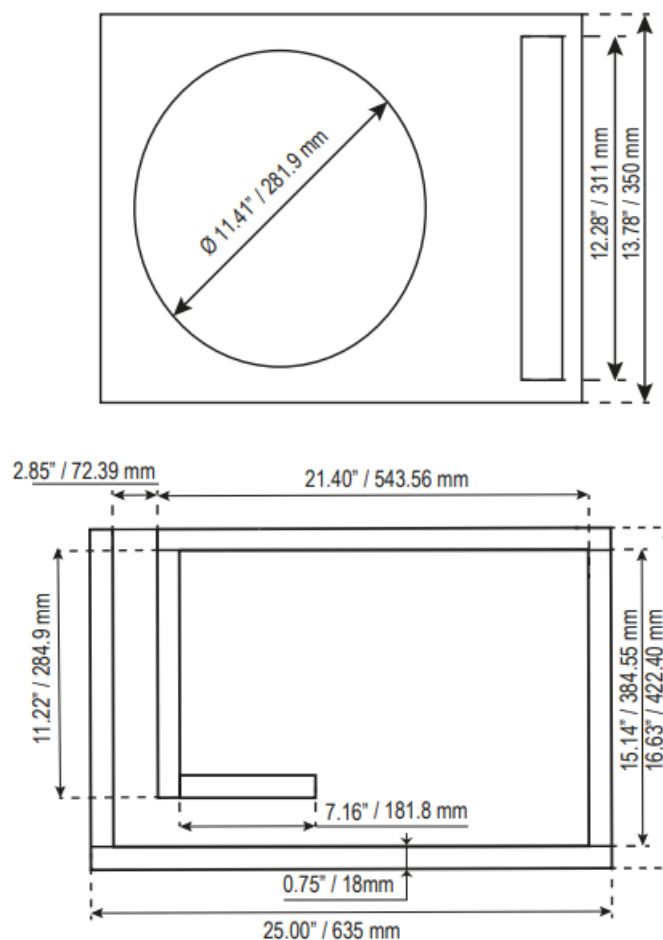
Equivilant Vol	Vas 21.986L
Excursion (one way)	Xmax 42 mm
Free Air Resonance	Fs 39.8 Hz
Mechanical Factor	Qms 5.128
Electrical Factor	Qes 0.529
Total Factor	Qts 0.468
Moving Mass	Mms 302.158 g
Compliance	Cms 0.025 mm/N
BI Factor	BL 16.523
VC Inductance	Le 6.9 mH
Diaphragm Area	Sd 433.74 cm ²
Dc Resistance	Re 2 + 2 ohms
Efficiency Bandwidth Product	EBP 75.2

Measurements

Overall Diameter	12.63" / 321mm
Overall Depth.	9.25" / 235mm
Front Mount Baffle Cutout	11.1" / 282mm
Mouting Depth	7.87" / 200mm
Motor Diameter	8.89" / 226mmr

Recommended Box Dimension

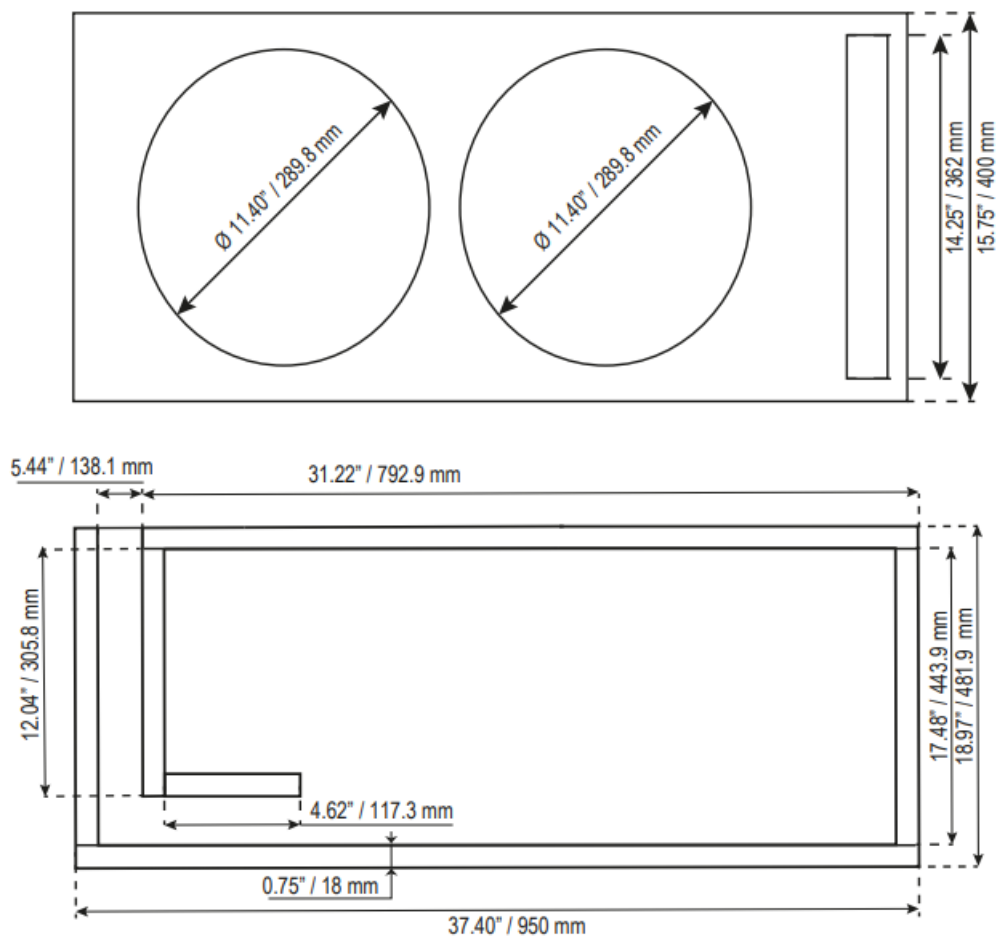
Single Subwoofer Ported Box :



Parameters

Box External Dimensions	Wood Cuts	Qty
(WxHxD): 25.00"x 13.78"x16.63"	Top-Bottom (WxH): 25.00"x16.63"	2
Material Thickness	Front	1
Net Internal Volume	Rear	1
Tuning Frequency	Left	1
Port Area	Right	1
Port Inlet	Port	1
Port Length	Port	1

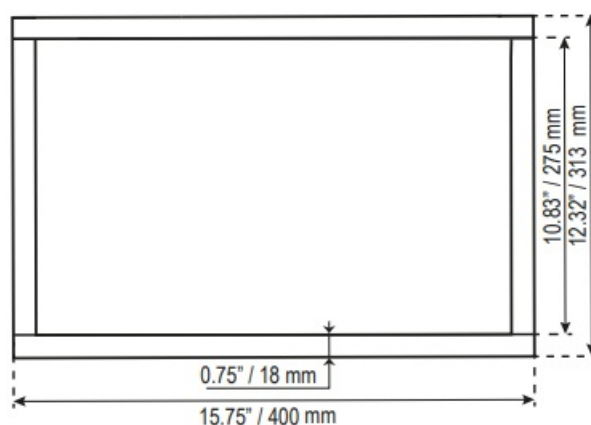
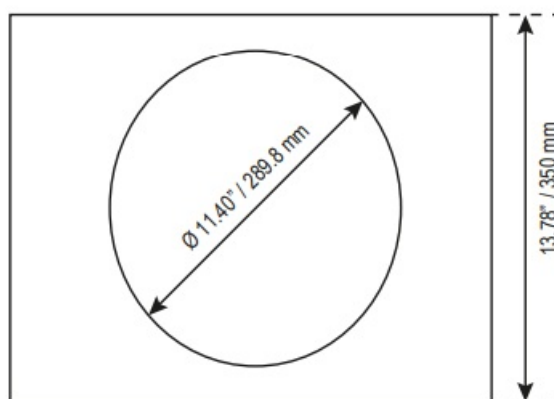
Double Subwoofer Ported Box



Parameters	Wood Cuts	Qty
Box External Dimensions (WxHxD): 37.40"x 15.75"x18.97"	Top-Bottom (WxH): 37.40"x18.97"	2
Material Thickness	Front	1
Net Internal Volume	Rear	1
Tuning Frequency	Left	1
Port Area	Right	1
Port Inlet	Port	1
Port Length	Port	1

Recommended Box Dimension

Single Subwoofer Sealed Box



Parameters	Box External Dimensions	Wood Cuts	Qty
	(WxHxD): 15.75"x 13.78"x12.32"	Top-Bottom (WxH): 15.75"x12.32"	2
Material Thickness		Front-Rear (WxH): 15.75"x12.28"	2
Net Internal Volume		Left-Right (WxH): 10.83"x12.28"	2



FOR MORE INFORMATION
PLEASE VISIT
[DS18.COM](https://www.ds18.com)
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Documents / Resources

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References

-  [Official DS18 Pro Audio Store - Speakers, Subwoofers, Amps & More!](#)

Manuals+.