



REISS AUDIO

OWNER'S MANUAL

RS-THUNDER12 D2

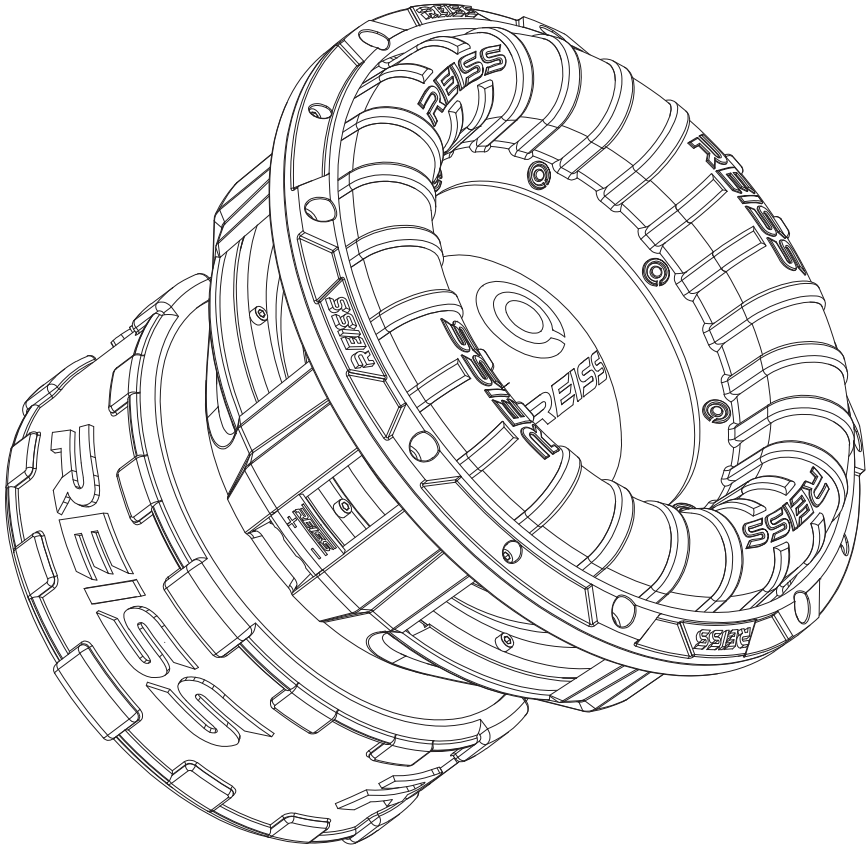
12" COMPETITION
HIGH POWER SUBWOOFER

2+2 Ω

RS-THUNDER12 D4

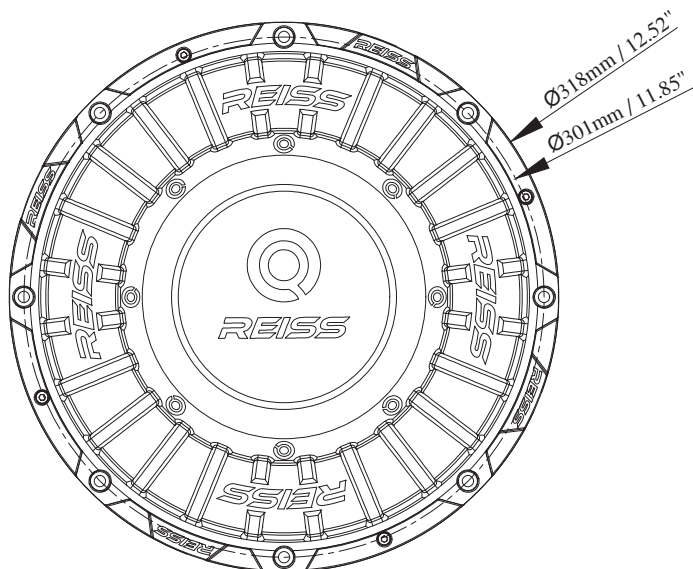
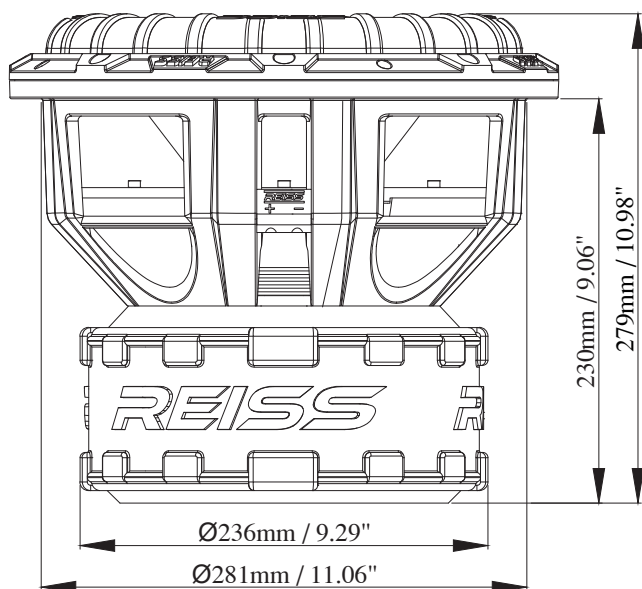
12" COMPETITION
HIGH POWER SUBWOOFER

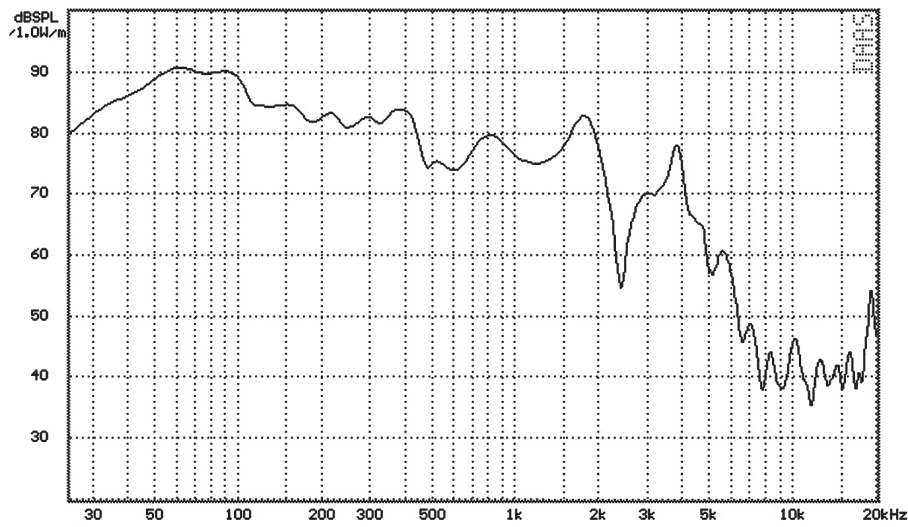
4+4 Ω



Turkish Engineering Since 1985

RS-THUNDER12 D2





SPECIFICATIONS

Nominal Diameter	12" / 304.8mm
Nominal Impedance	2+2 OHMS
RMS Power Handling	2500 Watts
MAX Power Handling	5000 Watts
Sensitivity(1w/1m)	87 dB
Frequency Response	35Hz - 500Hz
Recommended Lo Pass Crossover	80Hz

MOTOR

Voice Coil Diameter	76.5mm / 3"
Voice Coil Former Material	Black Aluminium
Winding Material	CCAW
Cone Material	Glassbre & Paper Compound
Dustcap Material	Glassfibre
Surround Material	Foam
Basket Material	Alumimium
Basket Color / Finish	Glossy Black With Machined Aluminium
Magnet Material	Ferrite
Magnet Weight	390oz
Displacement Volume	3.35L/0.118ft3

THIELE & SMALL PARAMETERS

Equivalent Volume	Vas	10.050L / 0.35 ft3
Free Air Resonance	Fs	39.720Hz
Mechanical Factor	Qms	4.969
Electrical Factor	Qes	0.393
Total Factor	Qts	0.364
Moving Mass	Mms	433.662g
Compliance	Cms	0.037 mm/N
BL Factor	BL	14.85Tm
Voice Coil Inductance	Le	1.112 mH
Diaphragm Area	Sd	437.21 CM2
DC Resistance	Re	1.6+1.6 OHM
Efficiency Bandwidth Product	EBP.....	101.7

MEASUREMENT

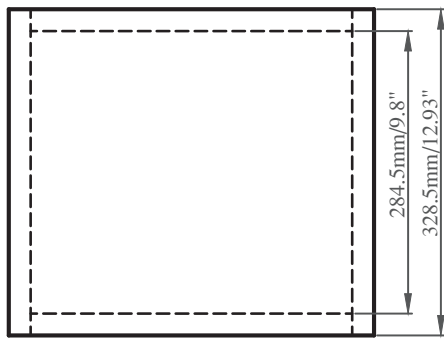
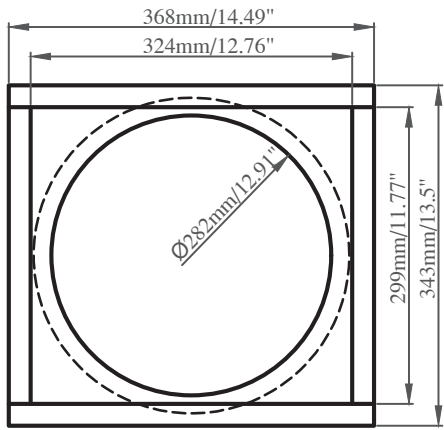
Overall Diameter	318mm / 12.52"
Overall Depth	279mm / 10.98"
Front Mount Baffle Cutout	281mm / 1 1.06"
Mounting Depth	230mm / 9.06"
Motor Diameter	220mm / 8.66"

RECOMMENDED ENCLOSURES

Sealed Internal Volume	28.43L / 1.0ft3
Sealed Box Output Response	79.38Hz
Ported Internal Volume	38.35L / 1.35ft3
Port Size *Square (WxHxL)	25mm x 299mm x 765.5mm
	0.98" x11.77" x 30.14"
Port Tuning Frequency	28.56Hz
Ported Box Output Response	26.49Hz

RECOMMENDED BOX DIMENSION

SINGLE SUBWOOFER SEALED BOX



PARAMETERS

Box External Dimensions:
(WxHxD): 368mm x 343mm x 328.5mm
/ 14.49"x 13.5"x 12.93"

Material Thickness: 22mm / 0.87"

Net Internal Volume: 28.43L / 1.0ft3

WOOD CUTS

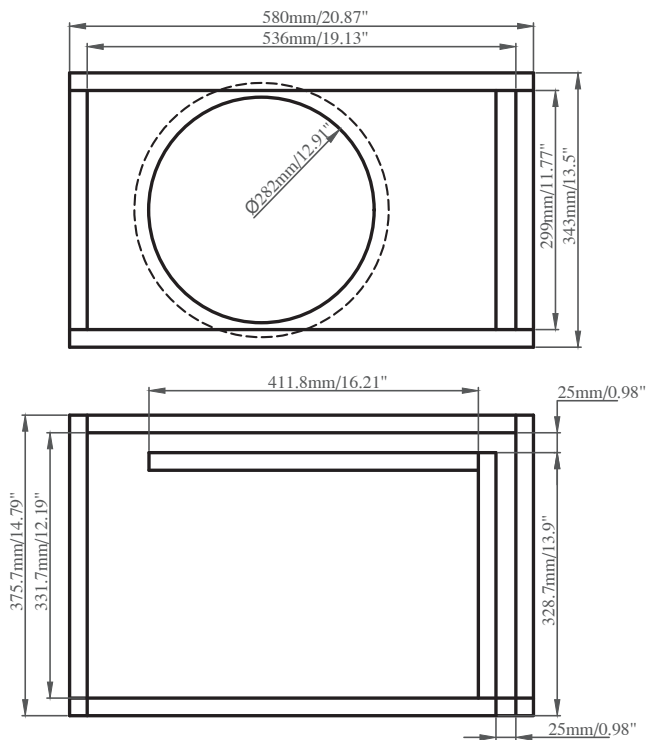
Top - Bottom
(WxH): 368mm x 328.5mm / 14.49" x 12.93" 2

Front - Rear
(WxH): 324mm x 299mm / 12.76" x 11.77" 2

Left - Right
(WxH) : 328.5mm x 299mm / 12.93" x 11.77" 2

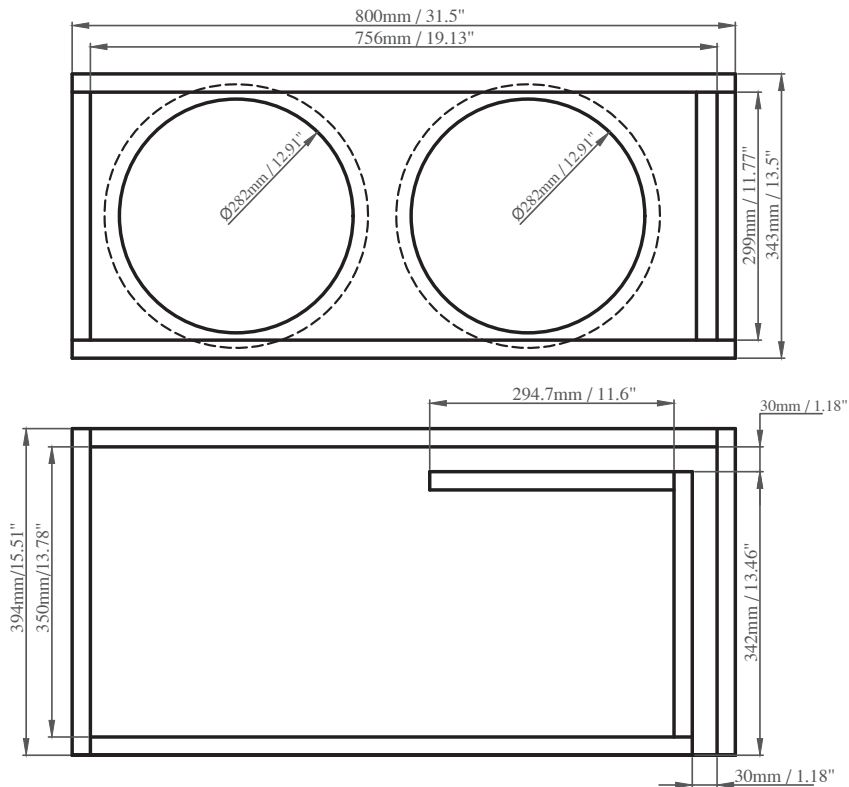
QTY

SINGLE SUBWOOFER PORTED BOX



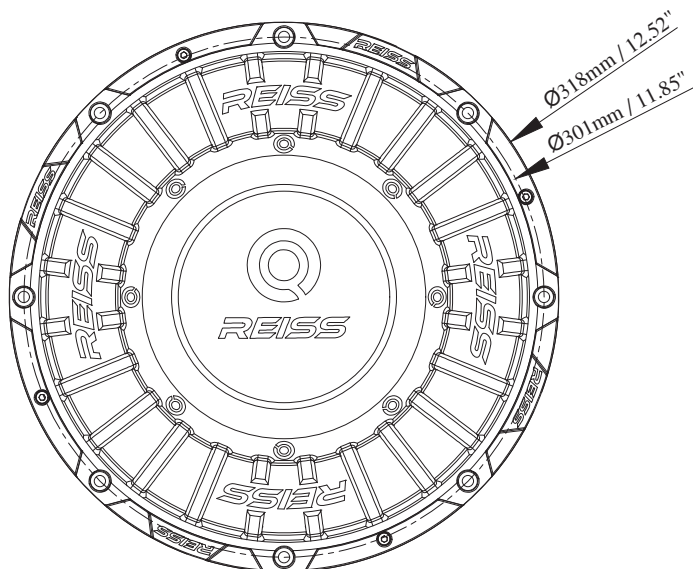
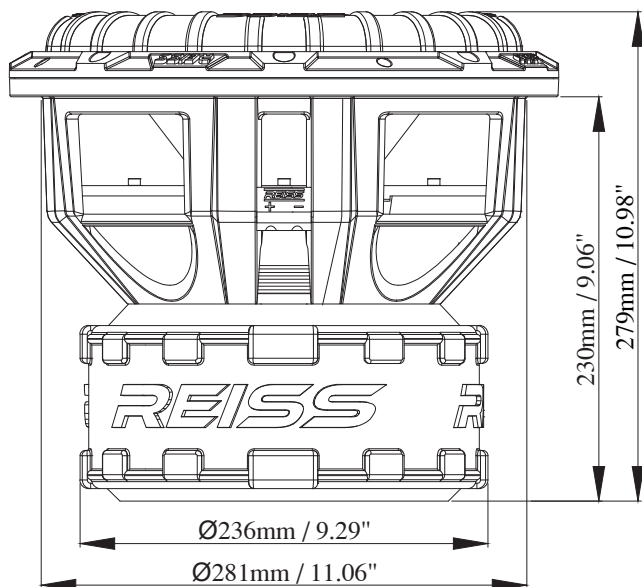
PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 580 x 343 x 375.7 mm / 22.83" x 13.5" x 14.79"	Top - Bottom 580 x 375.7 mm / 22.83" x 14.79"	2
	Front: 511 x 299 mm / 20.12" x 11.77"	1
Material Thickness: 22mm / 0.87"	Rear: 536 x 299 mm / 21.1" x 11.77"	1
Net Internal Volume: 38.35L / 1.35ft3	Left: 375.7 x 299mm / 14.79" x 11.77"	1
Tuning Frequency: 28.56 Hz	Right: 375.7 x 299mm / 14.79" x 11.77"	1
Port Area: 74.75cm ² / 11.59 inch ²	Port: 328.7 x 299mm / 13.9" x 11.77"	1
Port Intel: 25 x 299 mm / 0.98" x 11.77"	Port: 411.8 x 299mm / 16.21" x 11.77"	1
Port Length: 765.5 mm / 30.14"		

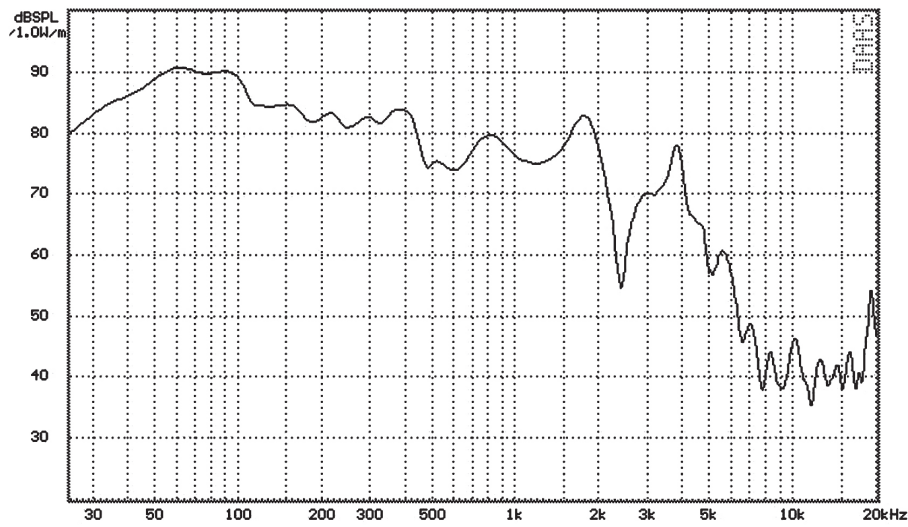
DOUBLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 800 x 343 x 394mm / 31.5" x 13.5" x 15.51"	Top - Bottom 800 x 394 mm / 31.5" x 15.51"	2
Material Thickness: 22mm / 0.87"	Front: 726 x 299 mm / 28.58" x 11.77"	1
Net Internal Volume: 66.7L / 2.36 ft3	Rear: 756 x 299 mm / 29.76" x 11.77"	1
Tuning Frequency: 28.56 Hz	Left: 394 x 299 mm / 15.51" x 11.77"	1
Port Area: 89.7 CM2 / 13.9 inch2	Right: 394 x 299 mm / 15.51" x 11.77"	1
Port Intel: 1.18" x 11.7" / 30 x 299 mm	Port: 342 x 299 mm / 13.46" x 11.77"	1
Port Length: 688.7mm / 27.11 inch2	Port: 294.7 x 299 mm / 11.6" x 11.77"	1

RS-THUNDER12 D4





SPECIFICATIONS

Nominal Diameter	12" / 304.8mm
Nominal Impedance	4+4 OHMS
RMS Power Handling	2500 Watts
MAX Power Handling	5000 Watts
Sensitivity(1w/1m)	87 dB
Frequency Response	35Hz - 500Hz
Recommended Lo Pass Crossover	80Hz

MOTOR

Voice Coil Diameter	76.5mm / 3"
Voice Coil Former Material	Black Aluminium
Winding Material	CCAW
Cone Material	Glassbre & Paper Compound
Dustcap Material	Glassfibre
Surround Material	Foam
Basket Material	Alumimium
Basket Color / Finish	Glossy Black With Machined Aluminium
Magnet Material	Ferrite
Magnet Weight	390oz
Displacement Volume	3.35L/0.118ft3

THIELE & SMALL PARAMETERS

Equivalent Volume	Vas	9.875L / 0.349 ft3
Free Air Resonance	Fs	41.96Hz
Mechanical Factor	Qms	5.547
Electrical Factor	Qes	0.505
Total Factor	Qts	0.463
Moving Mass	Mms	395.532g
Compliance	Cms	0.0364 mm/N
BL Factor	BL	18.18Tm
Voice Coil Inductance	Le	1.719 mH
Diaphragm Area	Sd	437.21 CM2
DC Resistance	Re	3.2+3.2 OHM
Efficiency Bandwidth Product	EBP.....	83.08

MEASUREMENT

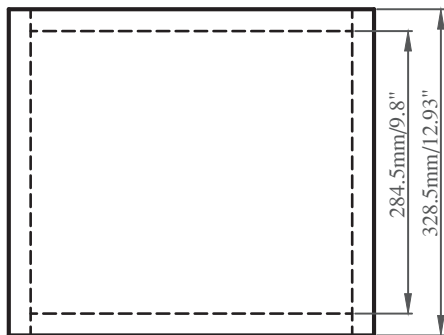
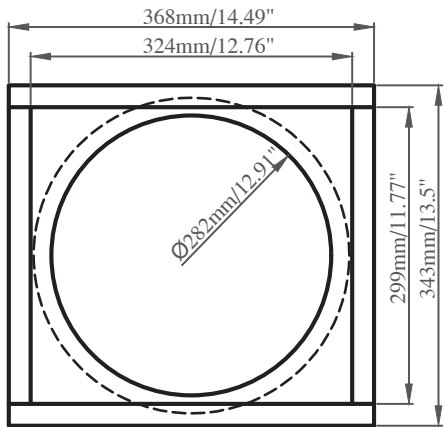
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Sealed Box Output Response	79.38Hz
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Ported Box Output Response	26.49Hz

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SINGLE SUBWOOFER SEALED BOX



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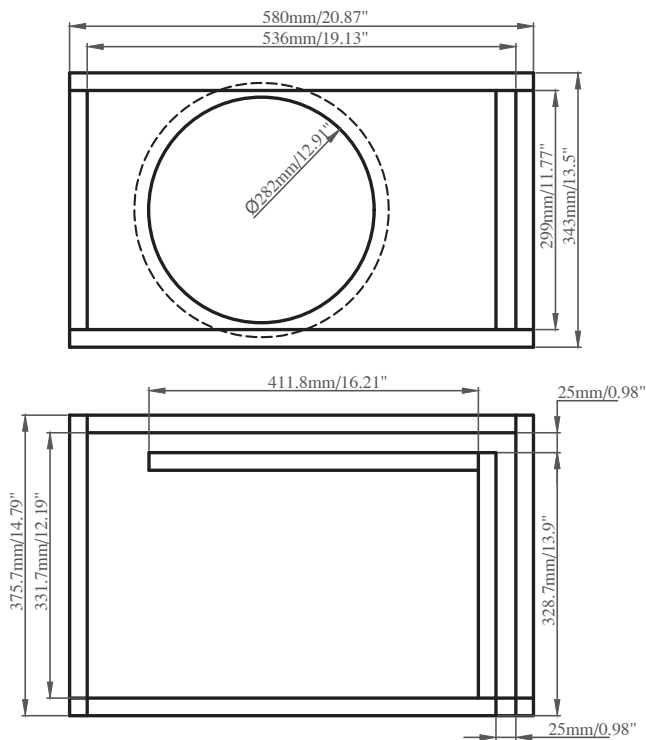
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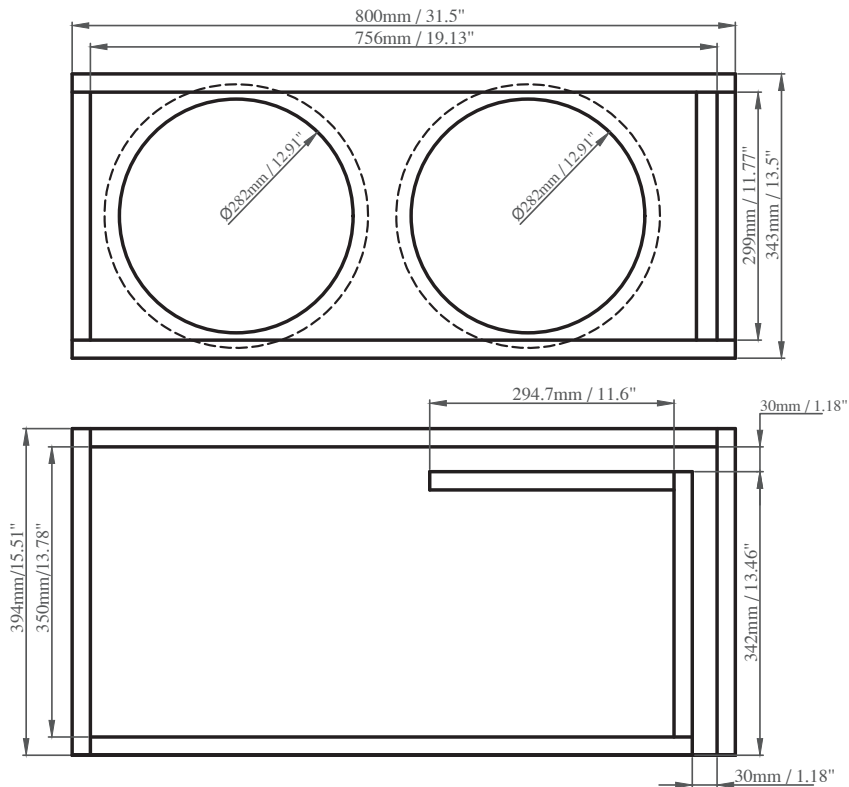
QTY

SINGLE SUBWOOFER PORTED BOX



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**FOR MORE INFORMATION
PLEASE VISIT
www.reissaudio.com.tr**

Turkish Engineering Since 1985

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