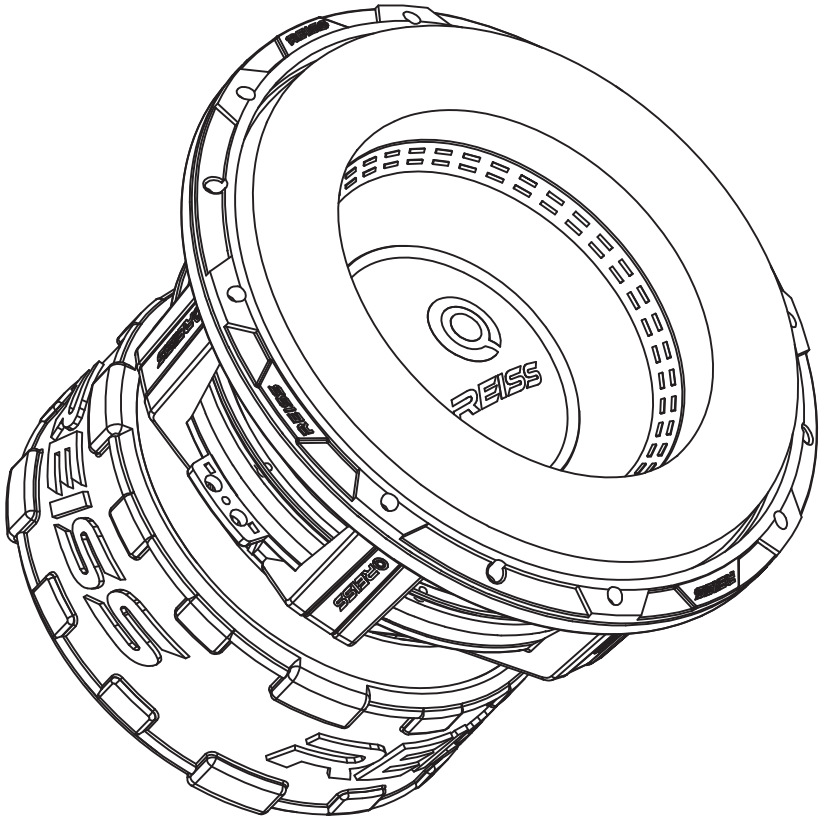
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OWNER'S MANUAL

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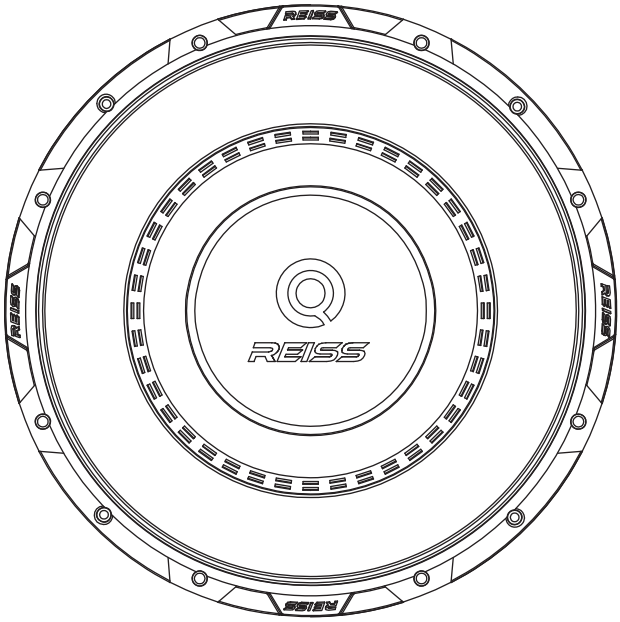
12" COMPETITION
HIGH POWER SUBWOOFER

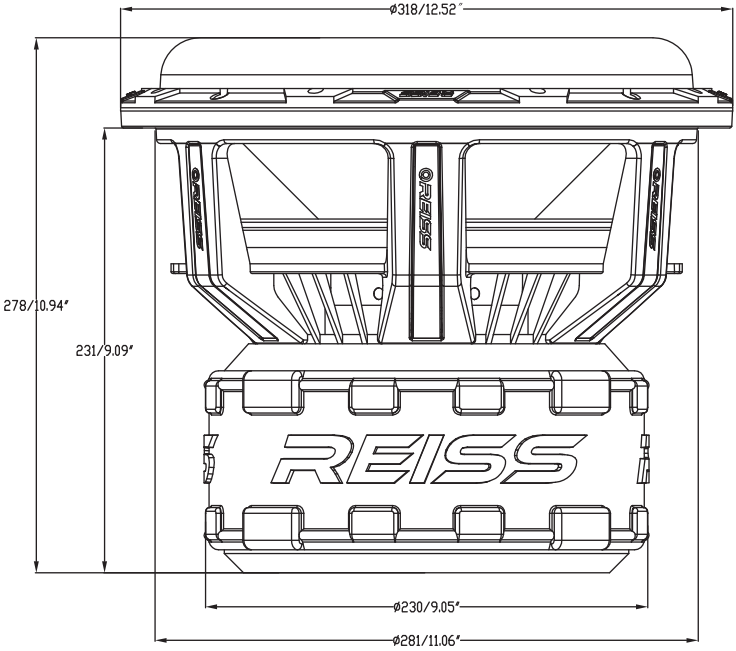
2+2 Ω



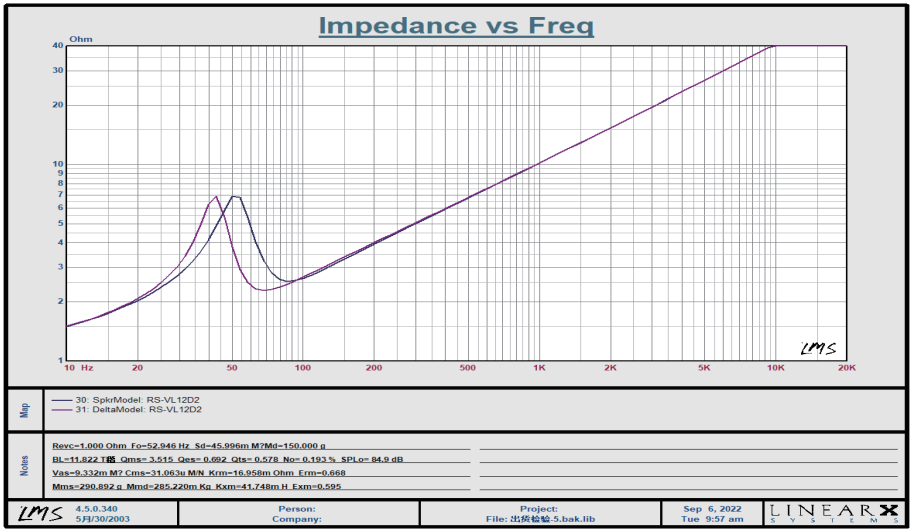
Turkish Engineering Since 1985

RS-VL12.D2


REISS
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ø318/12.52"
278/10.94"
231/9.09"
REISS
ø230/9.05"
ø281/11.06"

RS-VL12.D2



SPECIFICATIONS

Nominal Diameter / ..... 12" / 318 mm
Nominal Impedance / ..... 2+2 OHMS
RMS Power Handling / ..... 2500 Watts
MAX Power Handling / ..... 5000 Watts
Sensitivity (1w/1m) / ..... 84.9 dB
Frequency Response / ..... 40Hz - 500Hz
Recommended Lo Pass Crossover / ..... 80 Hz

MOTOR

Voice Coil Diameter / ..... 3” / 76.5 mm
Voice Coil Former Material / ..... Black Aluminum
Winding Material / ..... CCAW
Cone Material / ..... Glass Fiber
Dust Cap Material /..... Glass Fiber
Surround Material / ..... Foam
Basket Material / ..... Aluminum
Basket Color | Finish / ..... Black wrinkle Coating with Machined Aluminum
Magnet Material / ..... Ferrite
Magnet Weight / ..... 418 Oz

RS-VL12.D2

THIELE & SMALL PARAMETERS

Equivalent Volume /	Vas	9.33 L / 0.329 ft3
Free Air Resonance /	Fs	52.9 Hz
Mechanical Factor /	Qms	3.51
Electrical Factor /	Qes	0.692
Total Factor /	Qts	0.578
Moving Mass /	Mms	290.89 g
Compliance /	Cms	0.031 mm/N
Bl Factor /	Bl	11.8
Voice Coil Inductance /	Le	0.595 mH
Diaphragm Area /	Sd	459.96 cm2
DC Resistance /	Re	1.8+1.8 OHM

MEASUREMENT

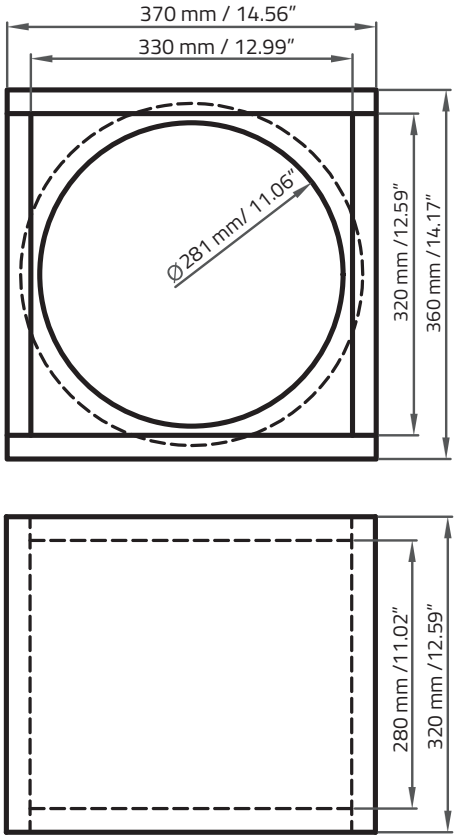
Overall Diameter /	12.52" / 318 mm
Overall Depth /	10.9" / 278 mm
Front Mount Baffle Cutout. /	11.06" / 281 mm
Mounting Depth /	9.09" / 231 mm
Motor Diameter /	8.66" / 220 mm

RECOMMENDED ENCLOSURES

Sealed Internal Volume /	30L / 1.06 ft3
Sealed Box Output Response /	58.5 Hz
Ported Internal Volume /	40L / 1.41 ft3
Port Size *Square (WxHxLong) /	1.37" x 12.59" x 16.33" / 35 mm x 320 mm x 415 mm
Port Tunning Frequency /	40 Hz
Ported Box Output Response /	33 Hz

RECOMMENDED BOX DIMENSION

SINGLE SUBWOOFER SEALED BOX



PARAMETERS

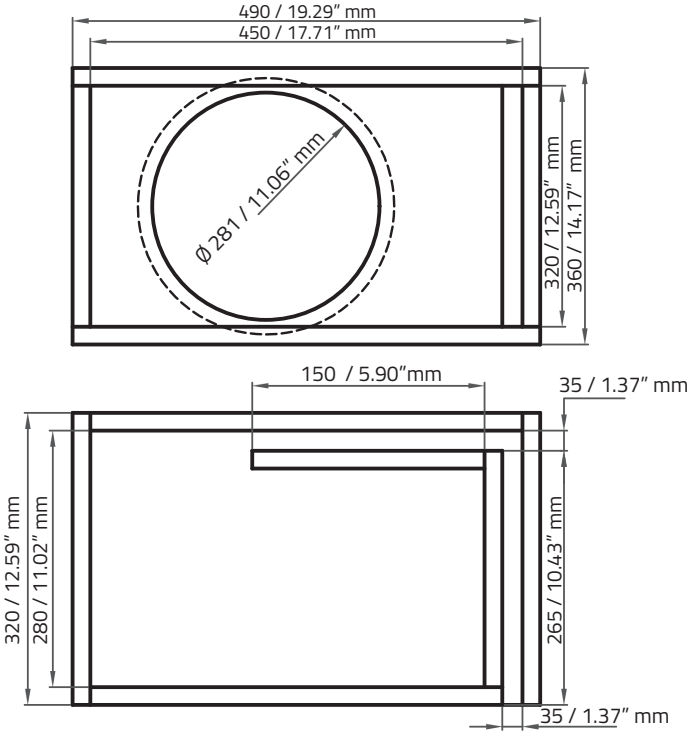
Box External Dimensions:
(WxHxD): 14.56”x 14.17”x 12.59” /
370 mm x 360mm x 320mm

Material Thickness: 0.78” / 20mm

Net Internal Volume: 1.06 ft3 / 30 L

RS-VL12.D2

SINGLE SUBWOOFER PORTED BOX



PARAMETERS

Box External Dimensions:
(WxHxD): 19.29" x 14.17" x 12.59" /
490 mm x 360 mm x 320 mm

Material Thickness: 0.78" / 20mm

Net Internal Volume: 1.41 ft3 / 40 L

Tuning Frequency: 40 Hz

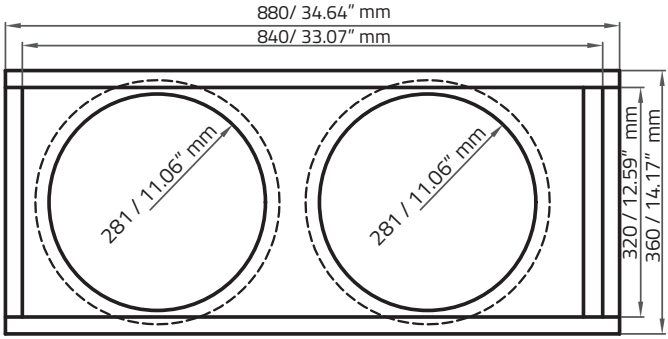
Port Area: 17.24 inch2 / 112 CM2

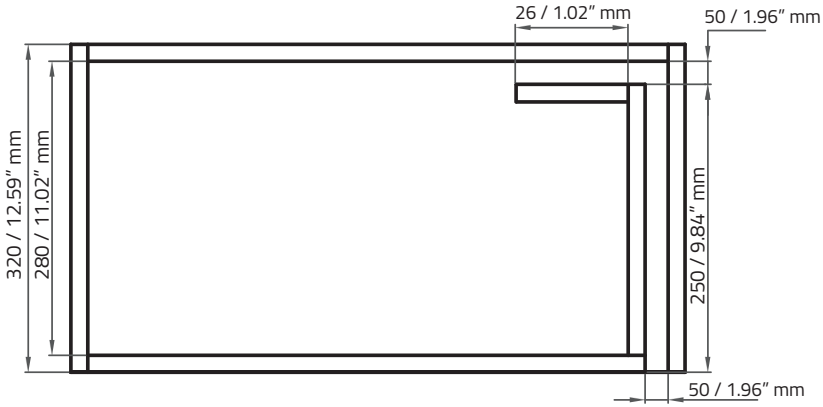
Port Intel: 1.37" x 12.59"

Port Length: 16.33" / 415 mm

RS-VL12.D2

DOUBLE SUBWOOFER PORTED BOX





PARAMETERS

Box External Dimensions:
(WxHxD): 34.64" x 14.17" x 12.59" / 880 mm x 360 mm x 320 mm

Material Thickness: 0.78" / 20mm

Net Internal Volume: 2.6 ft3 / 75 L

Tuning Frequency: 40 Hz

Port Area: 24.67 inch2 / 160 CM2

Port Intel: 1.96" x 12.59"

Port Length: 10.86" / 276 mm

REISS AUDIO

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

Turkish Engineering Since 1985

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