



OWNER'S MANUAL

RS-AK12 D4

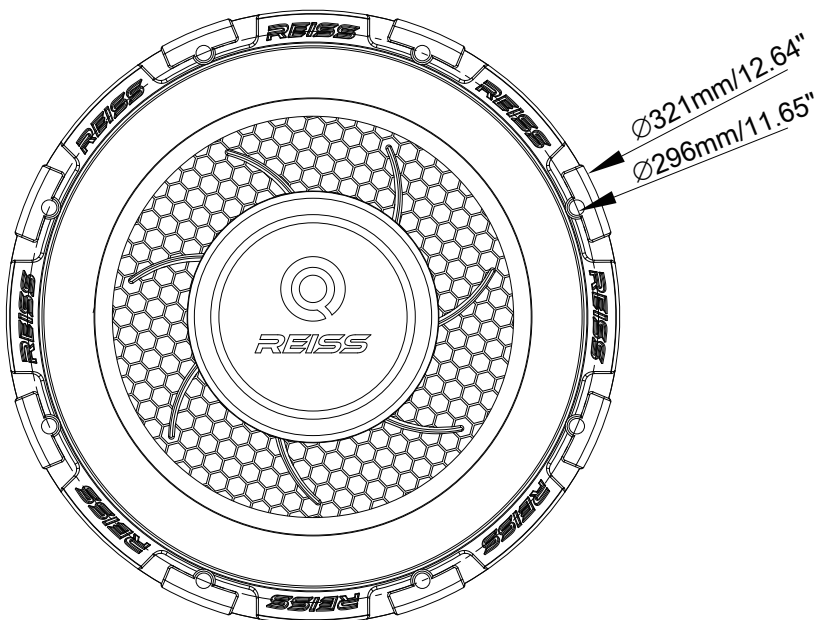
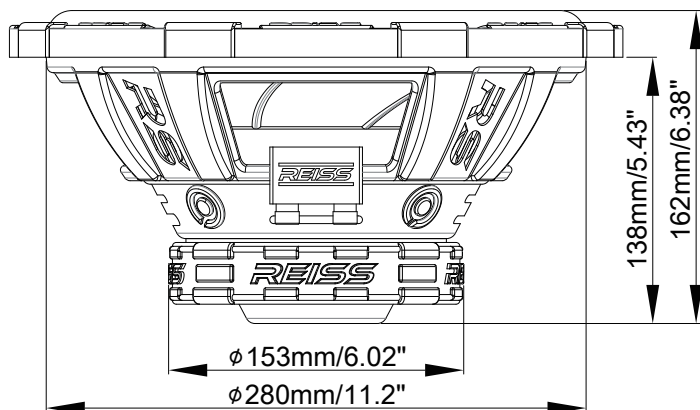
12" SUBWOOFER

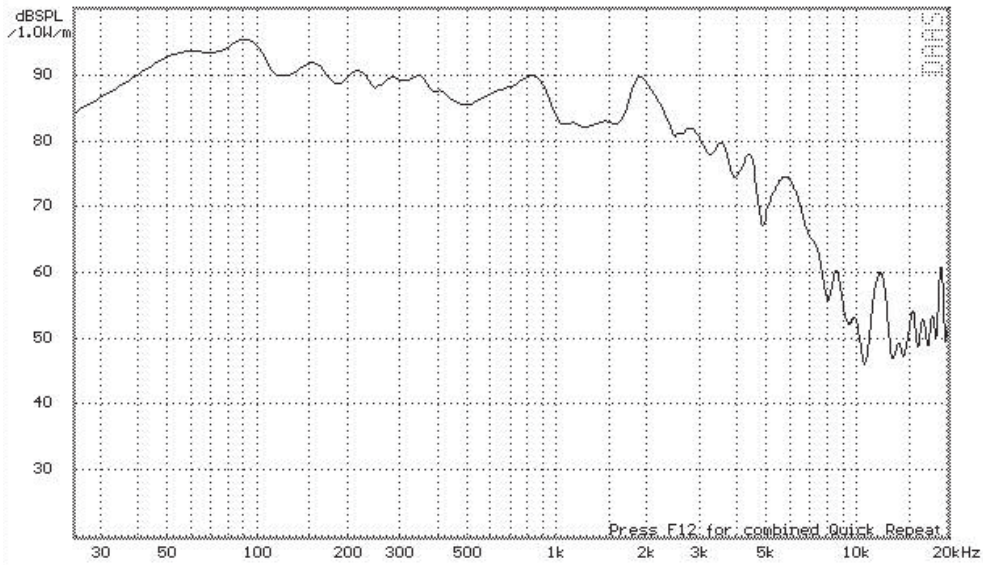
4+4 Ω



Turkish Engineering Since 1985

RS-AK12 D4





SPECIFICATIONS

Nominal Diameter	12" / 321mm
Nominal Impedance	4+4 OHMS
RMS Power Handling	300 Watts
MAX Power Handling	1000 Watts
Sensitivity(1w/1m)	90 dB
Frequency Response	35Hz - 1000Hz
Recommended Lo Pass Crossover.....	150Hz

MOTOR

Voice Coil Diameter	50.95mm / 2"
Voice Coil Former Material	Black Aluminium
Winding Material	Copper
Cone Material	Paper
Dustcap Material	PP
Surround Material	Foam
Basket Material	Steel
Basket Color	Black
Magnet Material	Ferrite
Magnet Weight	47oz
Displacement Volume	2.33L/0.12ft3

THIELE & SMALL PARAMETERS

Equivalent Volume	Vas	61.56L /2.17ft3
Free Air Resonance	Fs	38.26Hz
Mechanical Factor	Qms	3.881
Electrical Factor	Qes	0.575
Total Factor	Qts	0.501
Moving Mass	Mms	102.355g
Compliance	Cms	0.169 mm/N
BL Factor	BL	8.272Tm
Voice Coil Inductance	Le	1.0 mH
Diaphragm Area	Sd	506.5 CM2
DC Resistance	Re	3.2+3.2 OHM
Efficiency Bandwidth Product	EBP.....	66.54

MEASUREMENT

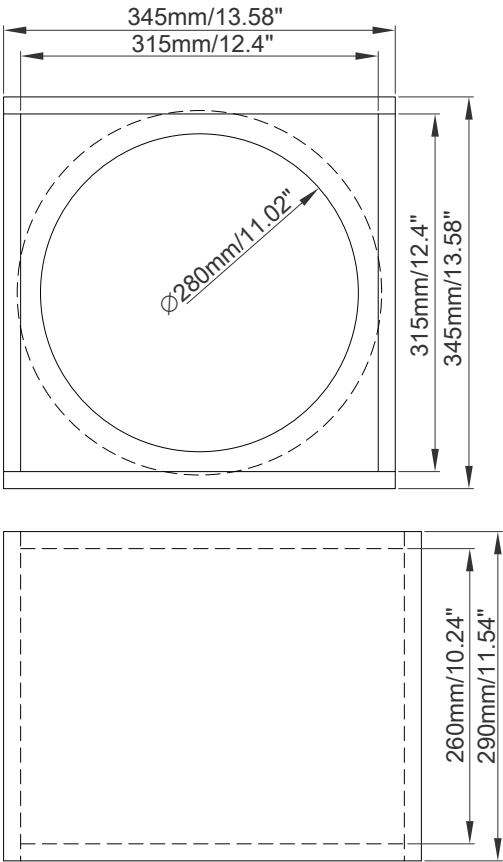
Overall Diameter	321mm / 12.64"
Overall Depth	162mm / 5.72"
Front Mount Baffle Cutout	280mm / 1 1.02"
Mounting Depth	138mm / 5.43"
Motor Diameter	153mm / 6.02"

RECOMMENDED ENCLOSURES

Sealed Internal Volume	23.9L /0.84ft3
Sealed Box Output Response	72Hz
Ported Internal Volume	42.2L / 1.49ft3
Port Size Square (WxHxL)	25mm x 315mm x 234mm
	0.98" x12.4" x 9.21"
Port Tuning Frequency	45Hz
Ported Box Output Response	43Hz

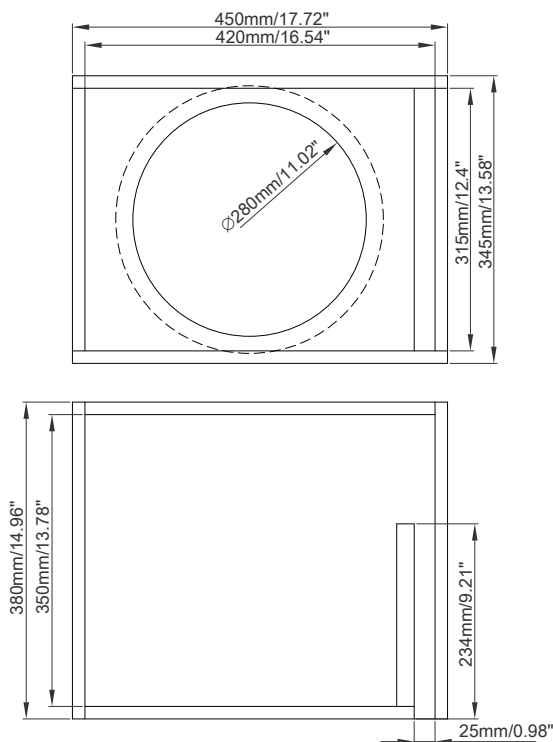
RECOMMENDED BOX DIMENSION

SINGLE SUBWOOFER SEALED BOX



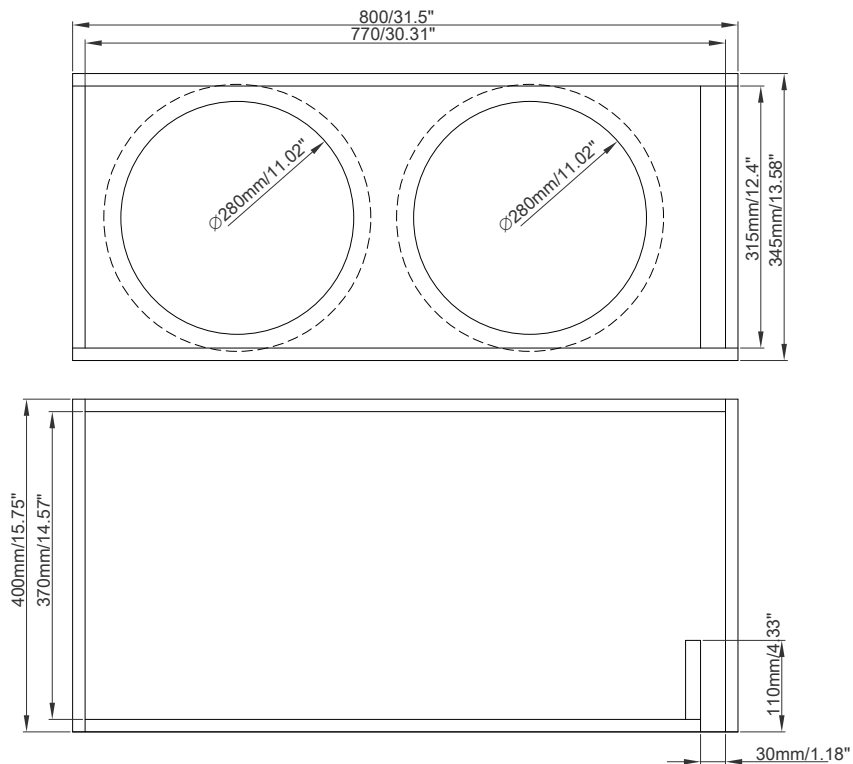
PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 345mm x 345mm x 290mm / 13.58"x 13.58"x 11.42"	Top - Bottom (WxH): 290mm x 345mm / 11.42" x 13.58"	2
Material Thickness: 15mm / 0.59"	Front - Rear (WxH): 315mm x 315mm / 12.4" x 12.4"	2
Net Internal Volume: 23.9L / 0.84ft3	Left - Right (WxH) : 315mm x 290mm / 12.4" x 11.42"	2

SINGLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 450 x 345 x 380 mm / 17.72" x 13.58" x 15"	Top - Bottom 450 x 380 mm / 17.72" x 14.96"	2
	Front: 395 x 315mm / 15.55" x 12.4"	1
Material Thickness: 15mm / 0.59"	Rear: 420 x 315mm / 16.54" x 12.4"	1
Net Internal Volume: 42.2L / 1.49ft3	Left: 380 x 315mm / 14.96" x 12.4"	1
Tuning Frequency: 45 Hz	Right: 380 x 315mm / 14.96" x 12.4"	1
Port Area: 78.25cm2 / 12.21 inch2	Port: 219 x 315mm / 8.62" x 12.4"	1
Port Intel: 25 x 315 mm / 0.98" x 12.4"		
Port Length: 234 mm / 9.21"		

DOUBLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 800 x 345 x 400mm / 31.5" x 13.58" x 15.75"	Top - Bottom 800 x 400 mm / 31.5" x 15.75"	2
Material Thickness: 15mm / 0.59"	Front: 740 x 315 mm / 29.13" x 12.4"	1
Net Internal Volume: 84.83L / 3 ft3	Rear: 770 x 315 mm / 30.31" x 12.4"	1
Tuning Frequency: 45 Hz	Left: 400 x 315 mm / 15.57" x 12.4"	1
Port Area: 94.5 CM2 / 14.65 inch2	Right: 400 x 315 mm / 15.57" x 12.4"	1
Port Intel: 30 x 315 mm / 1.18" x 12.4"	Port: 95 x 315 mm / 3.74" x 12.4"	1
Port Length: 110mm / 4.33 inch2		



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

Turkish Engineering Since 1985

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