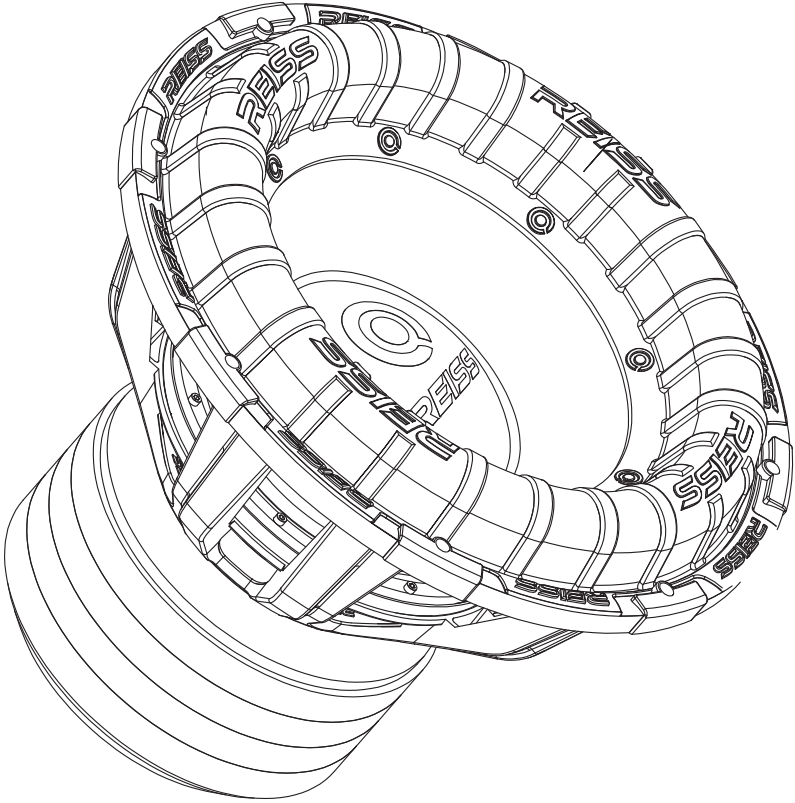




OWNER'S MANUAL

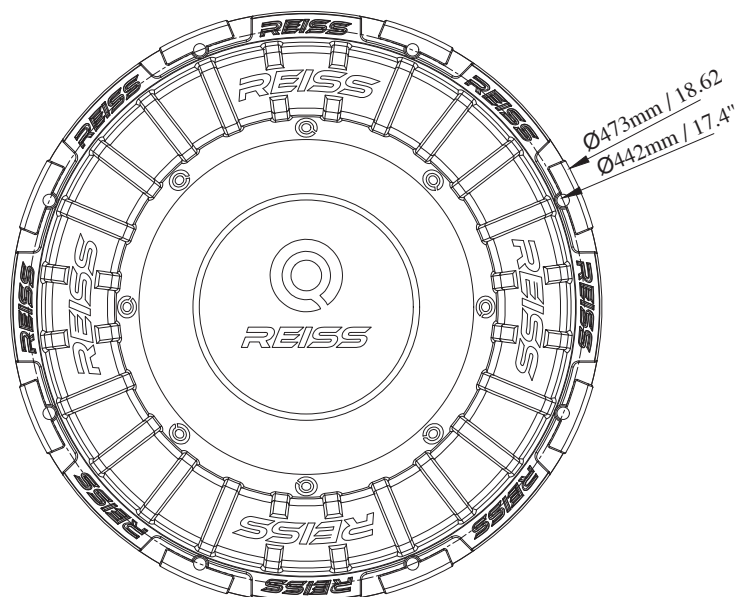
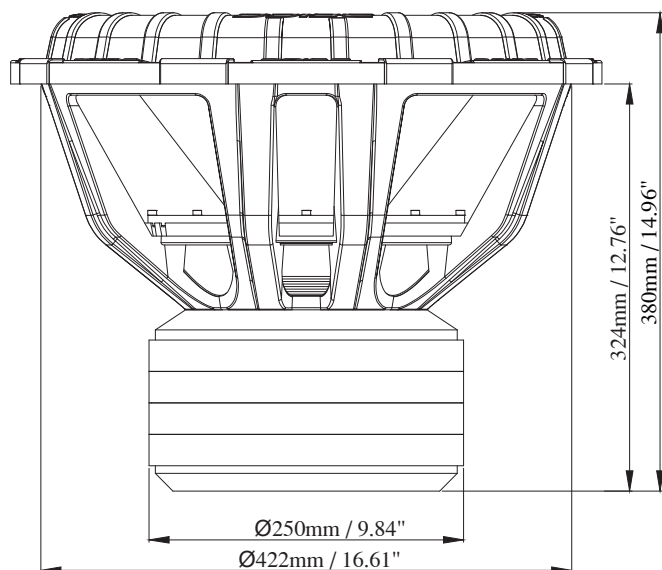
RS-RANGE18 DI

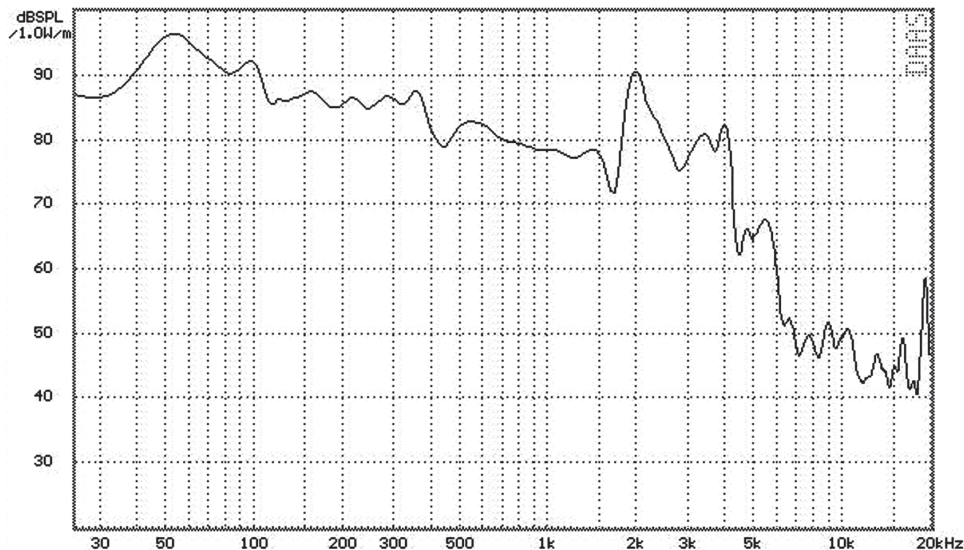
18" COMPETITION
HIGH POWER SUBWOOFER



Turkish Engineering Since 1985

RS-RANGE18 D1





SPECIFICATIONS

Nominal Diameter	18" / 457mm
Nominal Impedance	1+1 OHMS
RMS Power Handling	5000 Watts
MAX Power Handling	10000 Watts
Sensitivity(1w/1m)	88 dB
Frequency Response	25Hz - 500Hz
Recommended Lo Pass Crossover	80Hz

MOTOR

Voice Coil Diameter	4" / 100mm
Voice Coil Former Material	Black Aluminium
Winding Material	CCAR
Cone Material	Carbonfibre
Dustcap Material	Carbonfibre
Surround Material	Foam
Basket Material	Alumimium
Basket Color / Finish	Glossy Red With Machined Aluminium
Magnet Material	Ferrite
Magnet Weight	652oz
Displacement Volume	10.9L/0.385ft3

THIELE & SMALL PARAMETERS

Equivalent Volume	Vas	42.52L / 1.5 ft3
Free Air Resonance	Fs	32.5Hz
Mechanical Factor	Qms	3.45
Electrical Factor	Qes	0.489
Total Factor	Qts	0.428
Moving Mass	Mms	811.166g
Compliance	Cms	0.0295 mm/N
BL Factor	BL	23.292 Tm
Voice Coil Inductance	Le	1.792 mH
Diaphragm Area	Sd	1007 CM2
DC Resistance	Re	0.8+0.8 OHM
Efficiency Bandwidth Product	EBP.....	66.46

MEASUREMENT

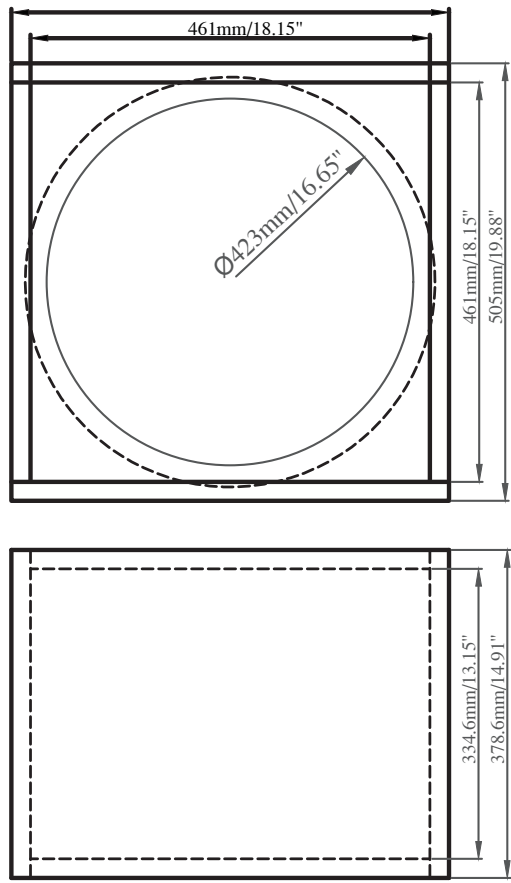
Overall Diameter	473mm / 18.62"
Overall Depth	380mm / 14.96"
Front Mount Baffle Cutout	422mm / 16.6"
Mounting Depth	324mm / 12.76"
Motor Diameter	250mm / 9.84"

RECOMMENDED ENCLOSURES

Sealed Internal Volume	75.9L / 2.68ft3
Sealed Box Output Response	61.95Hz
Ported Internal Volume	95.9L / 3.39ft3
Port Size *Square (WxHxL)	35mm x 461mm x 685.9mm
	1.38" x18.15" x 27"
Port Tuning Frequency	27.91Hz
Ported Box Output Response	25.11Hz

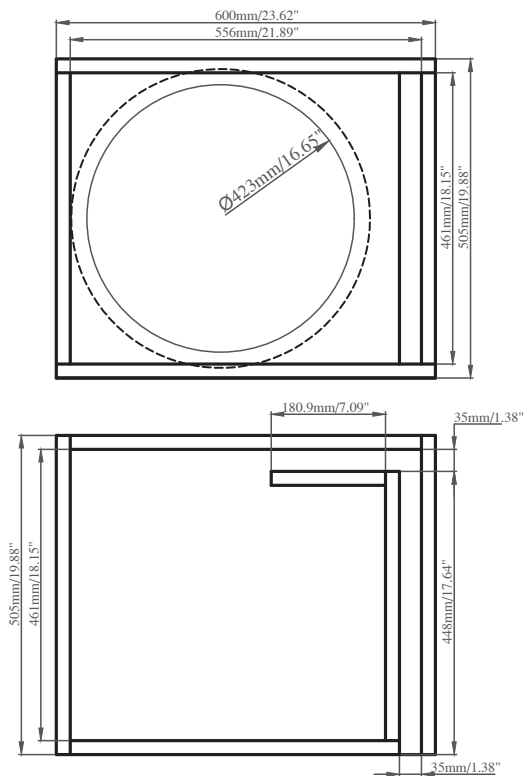
RECOMMENDED BOX DIMENSION

SINGLE SUBWOOFER SEALED BOX



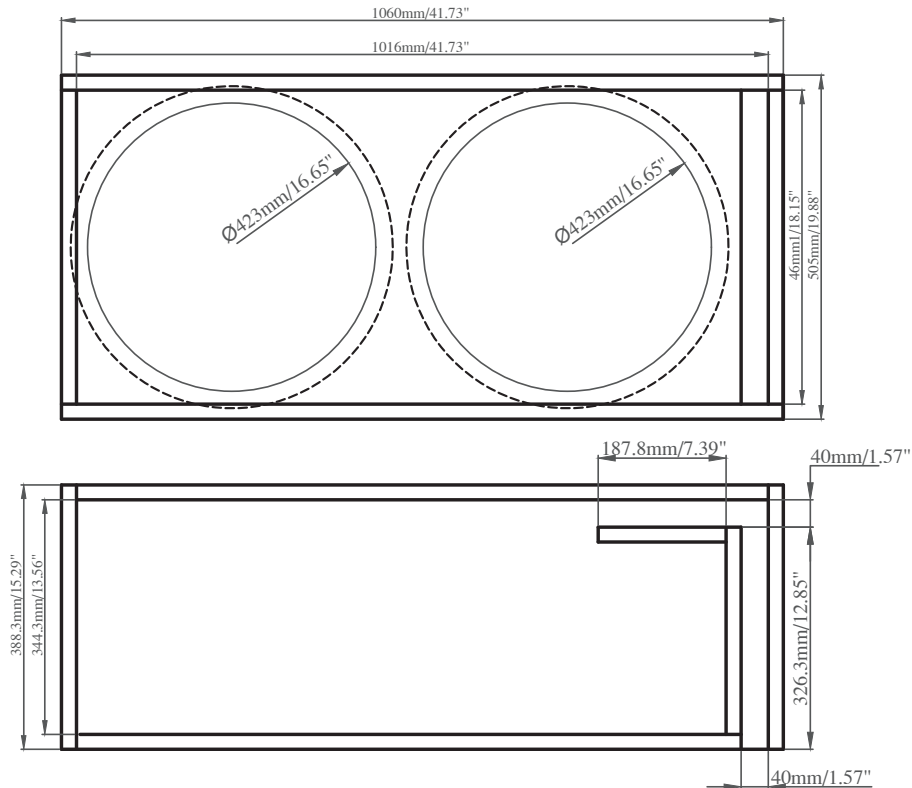
PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 505mm x 505mm x 378.6mm / 19.88"x 19.88"x 14.91"	Top - Bottom (WxH): 505mm x 378.6mm / 19.88" x 14.91"	2
Material Thickness: 22mm / 0.87"	Front - Rear (WxH): 461mm x 461m / 18.15" x 18.15"	2
Net Internal Volume: 75.9L / 2.68ft3	Left - Right (WxH) : 378.6mm x 461mm / 14.91" x 18.15"	2

SINGLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 600 x 505 x 475.6 mm / 23.62" x 19.88" x 18.72"	Top - Bottom 600 x 475.6mm / 23.62" x 18.72"	2
Material Thickness: 22mm / 0.87"	Front: 521 x 461mm / 20.51" x 18.15"	1
Net Internal Volume: 95.9L / 3.39ft3	Rear: 556 x 461mm / 21.89" x 18.15"	1
Tuning Frequency: 27.91 Hz	Left: 475.6 x 461mm / 18.72" x 18.15"	1
Port Area: 161.35cm2 / 25.01 inch2	Right: 475.6 x 461mm / 18.72" x 18.15"	1
Port Intel: 35 x 461 mm / 1.38" x 18.15"	Port: 448 x 461mm / 17.64" x 18.15"	1
Port Length: 659.9 mm / 27"	Port: 180.9 x 461mm / 7.12" x 18.15"	1

DOUBLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 1060 x 505 x 388.3mm / 41.73" x 19.88" x 15.29"	Top - Bottom 1060 x 388.3 mm / 41.73" x 15.29"	2
Material Thickness: 22mm / 0.87"	Front: 976 x 461 mm / 38.43" x 18.15"	1
Net Internal Volume: 153.2L / 5.41 ft3	Rear: 1016 x 461 mm / 40" x 18.15"	1
Tuning Frequency: 25.79 Hz	Left: 388.3 x 461 mm / 15.29" x 18.15"	1
Port Area: 184.4 CM2 / 28.58 inch2	Right: 388.3 x 461 mm / 15.29" x 18.15"	1
Port Intel: 40 x 576.1 mm / 1.57" x 22.68"	Port: 326.3 x 461 mm / 12.85" x 18.15"	1
Port Length: 566.1mm / 22.29 inch2	Port: 187.8 x 461 mm / 7.39" x 18.15"	1



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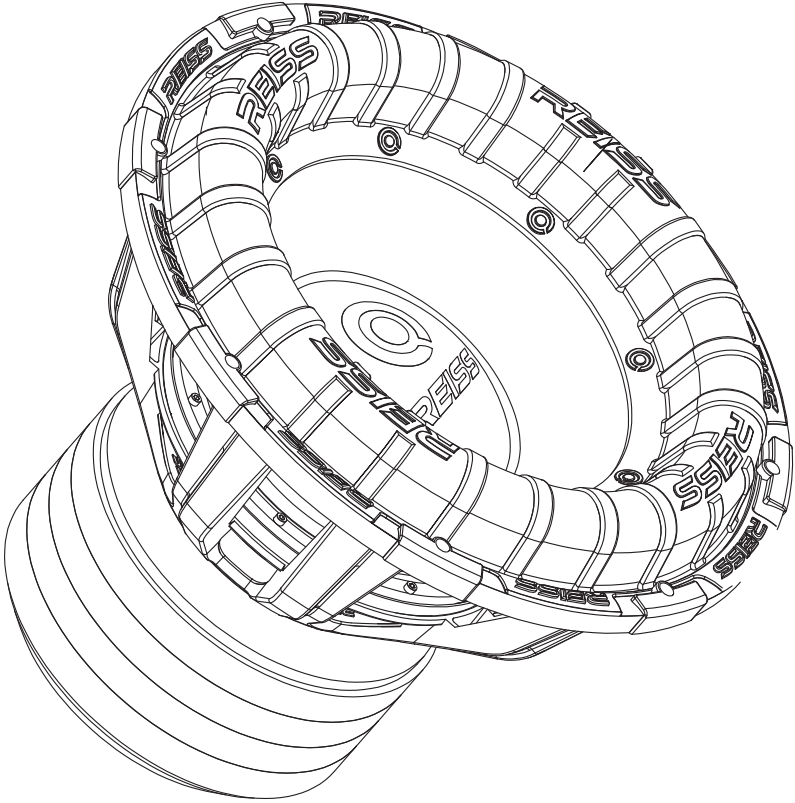


OWNER'S MANUAL

RS-RANGE18 D2

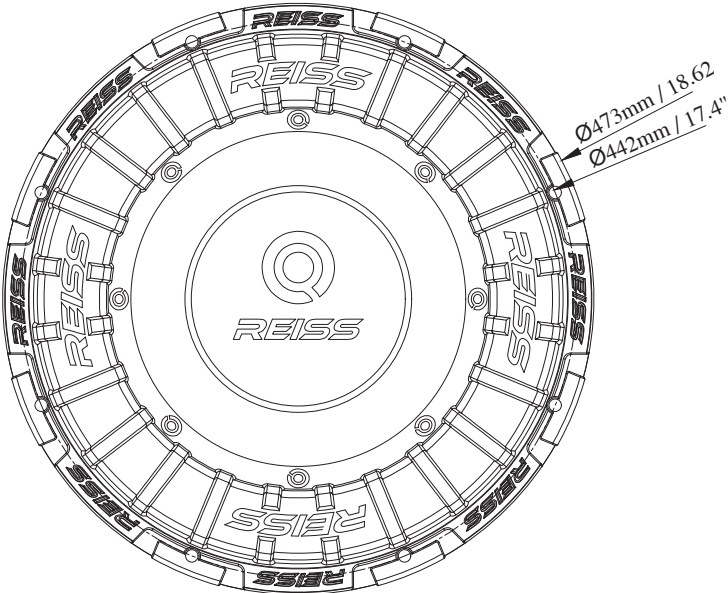
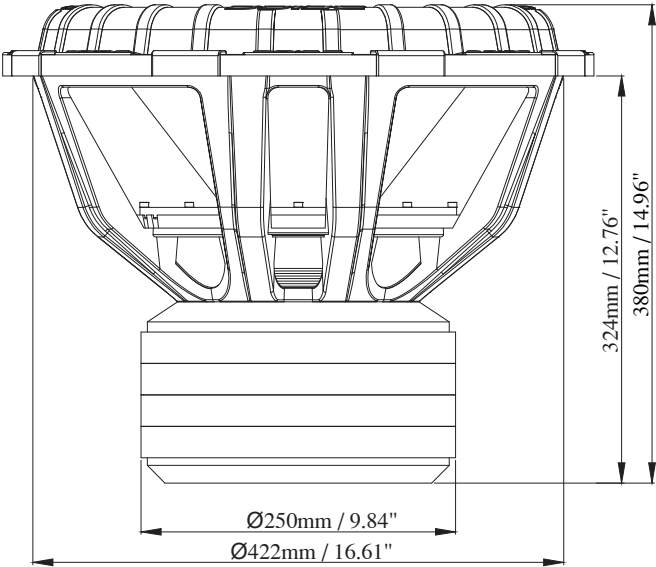
18" COMPETITION
HIGH POWER SUBWOOFER

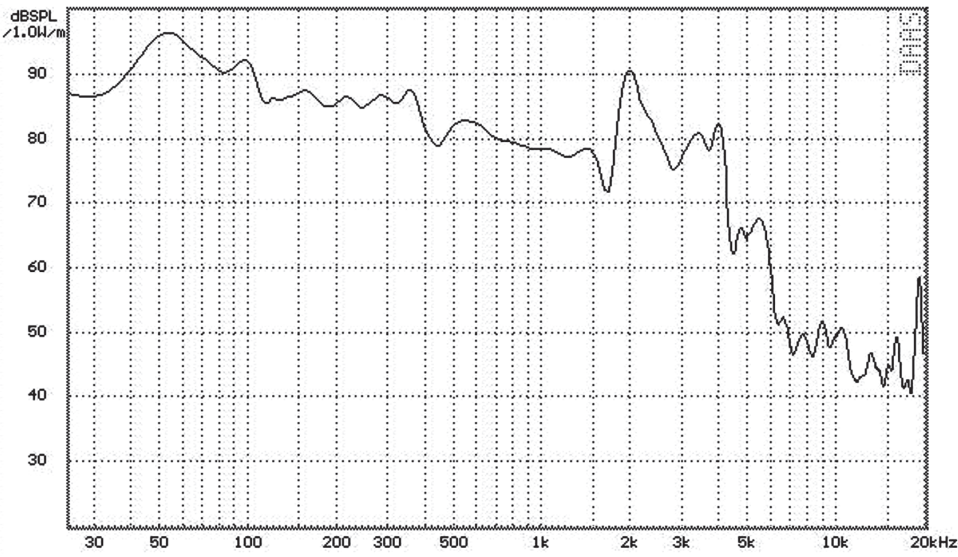
2+2 Ω



Turkish Engineering Since 1985

RS-RANGE18 D2





SPECIFICATIONS

Nominal Diameter	18" / 457mm
Nominal Impedance	2+2 OHMS
RMS Power Handling	5000 Watts
MAX Power Handling	10000 Watts
Sensitivity(1w/1m)	88 dB
Frequency Response	25Hz - 500Hz
Recommended Lo Pass Crossover	80Hz

MOTOR

Voice Coil Diameter	4" / 100mm
Voice Coil Former Material	Black Aluminium
Winding Material	CCAR
Cone Material	Carbonfibre
Dustcap Material	Carbonfibre
Surround Material	Foam
Basket Material	Alumimium
Basket Color / Finish	Glossy Red With Machined Aluminium
Magnet Material	Ferrite
Magnet Weight	652oz
Displacement Volume	10.9L/0.385ft3

THIELE & SMALL PARAMETERS

Equivalent Volume	Vas	43.62L / 1.54 ft3
Free Air Resonance	Fs	32.8Hz
Mechanical Factor	Qms	3.804
Electrical Factor	Qes	0.547
Total Factor	Qts	0.479
Moving Mass	Mms	778.029g
Compliance	Cms	0.0303 mm/N
BL Factor	BL	30.606 Tm
Voice Coil Inductance	Le	3.3 mH
Diaphragm Area	Sd	1007 CM2
DC Resistance	Re	1.6+1.6 OHM
Efficiency Bandwidth Product	EBP.....	59.93

MEASUREMENT

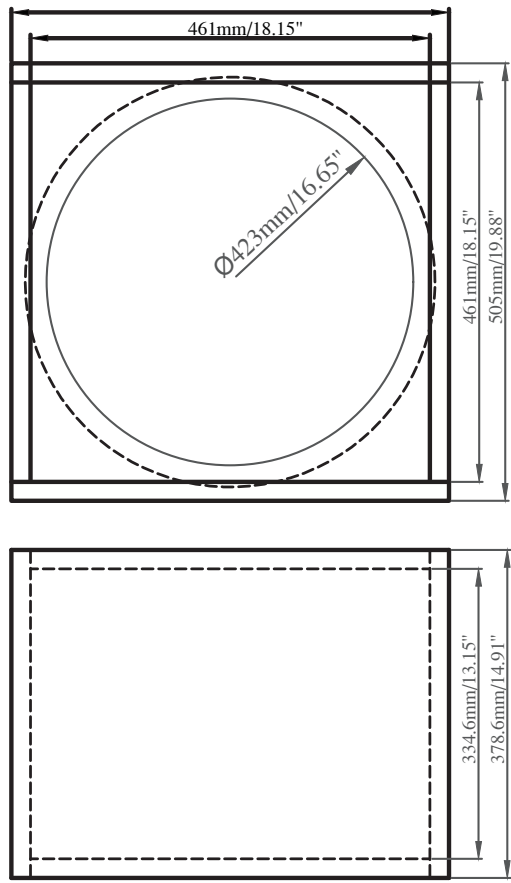
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Mounting Depth	324mm / 12.76"
Motor Diameter	250mm / 9.84"

RECOMMENDED ENCLOSURES

Sealed Internal Volume	75.9L / 2.68ft3
Sealed Box Output Response	61.95Hz
Ported Internal Volume	95.9L / 3.39ft3
Port Size *Square (WxHxL)	35mm x 461mm x 685.9mm
	1.38" x18.15" x 27"
Port Tuning Frequency	27.91Hz
Ported Box Output Response	25.11Hz

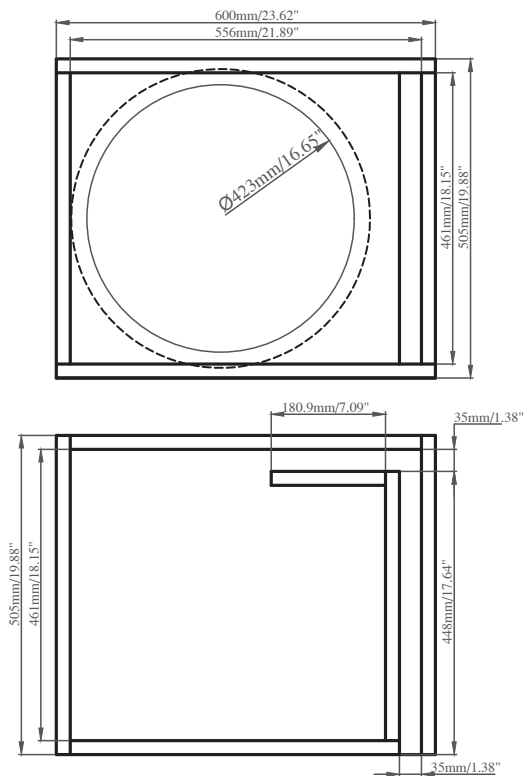
RECOMMENDED BOX DIMENSION

SINGLE SUBWOOFER SEALED BOX



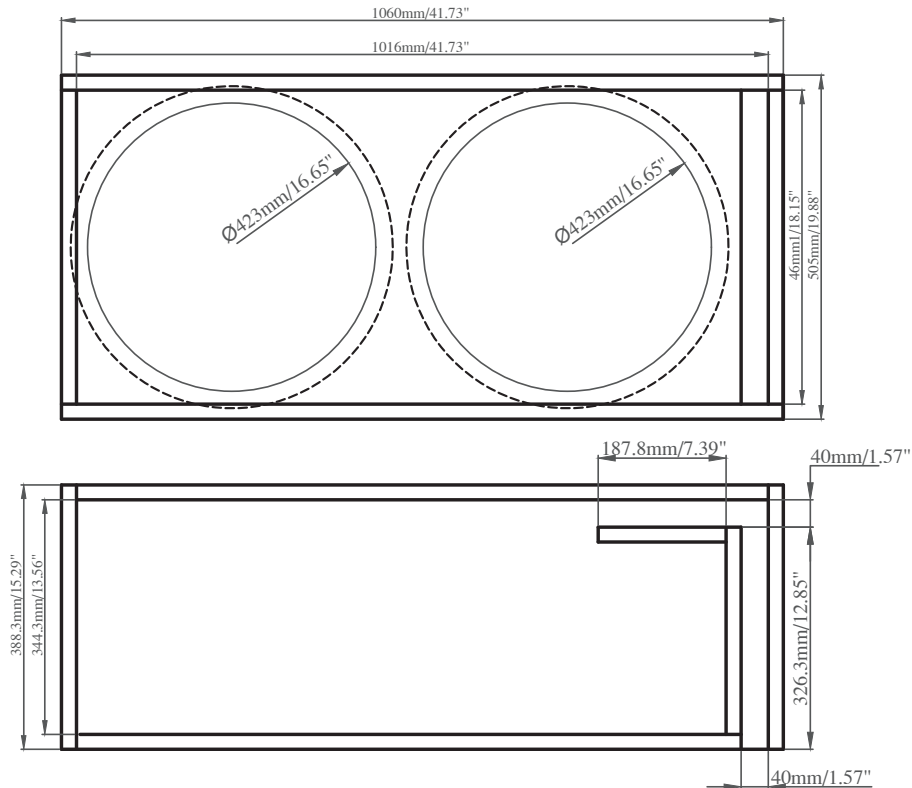
PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 505mm x 505mm x 378.6mm / 19.88"x 19.88"x 14.91"	Top - Bottom (WxH): 505mm x 378.6mm / 19.88" x 14.91"	2
	Front - Rear (WxH): 461mm x 461m / 18.15" x 18.15"	2
Material Thickness: 22mm / 0.87"	Left - Right (WxH) : 378.6mm x 461mm / 14.91" x 18.15"	2
Net Internal Volume: 75.9L / 2.68ft3		

SINGLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 600 x 505 x 475.6 mm / 23.62" x 19.88" x 18.72"	Top - Bottom 600 x 475.6mm / 23.62" x 18.72"	2
Material Thickness: 22mm / 0.87"	Front: 521 x 461mm / 20.51" x 18.15"	1
Net Internal Volume: 95.9L / 3.39ft3	Rear: 556 x 461mm / 21.89" x 18.15"	1
Tuning Frequency: 27.91 Hz	Left: 475.6 x 461mm / 18.72" x 18.15"	1
Port Area: 161.35cm2 / 25.01 inch2	Right: 475.6 x 461mm / 18.72" x 18.15"	1
Port Intel: 35 x 461 mm / 1.38" x 18.15"	Port: 448 x 461mm / 17.64" x 18.15"	1
Port Length: 659.9 mm / 27"	Port: 180.9 x 461mm / 7.12" x 18.15"	1

DOUBLE SUBWOOFER PORTED BOX



PARAMETERS	WOOD CUTS	QTY
Box External Dimensions: (WxHxD): 1060 x 505 x 388.3mm / 41.73" x 19.88" x 15.29"	Top - Bottom 1060 x 388.3 mm / 41.73" x 15.29"	2
Material Thickness: 22mm / 0.87"	Front: 976 x 461 mm / 38.43" x 18.15"	1
Net Internal Volume: 153.2L / 5.41 ft3	Rear: 1016 x 461 mm / 40" x 18.15"	1
Tuning Frequency: 25.79 Hz	Left: 388.3 x 461 mm / 15.29" x 18.15"	1
Port Area: 184.4 CM2 / 28.58 inch2	Right: 388.3 x 461 mm / 15.29" x 18.15"	1
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Port Length: 566.1mm / 22.29 inch2	Port: 187.8 x 461 mm / 7.39" x 18.15"	1



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