

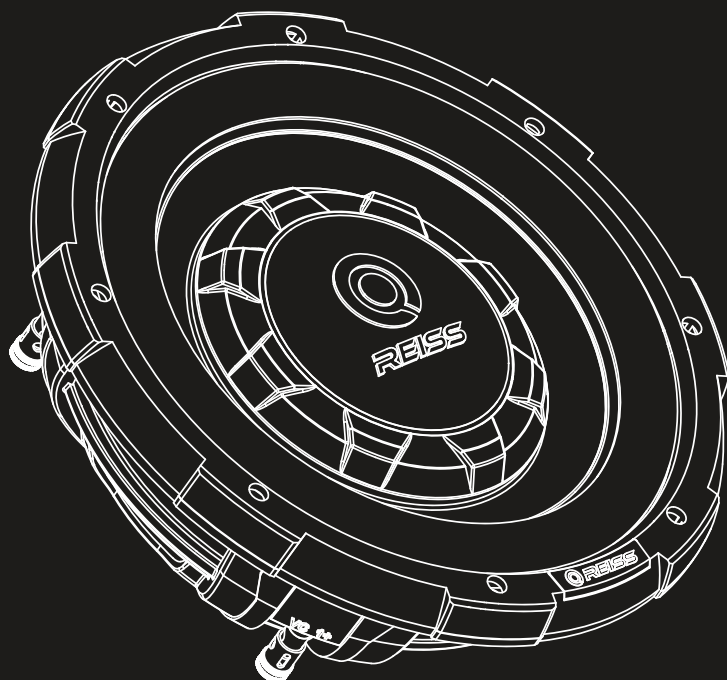


OWNER'S MANUAL

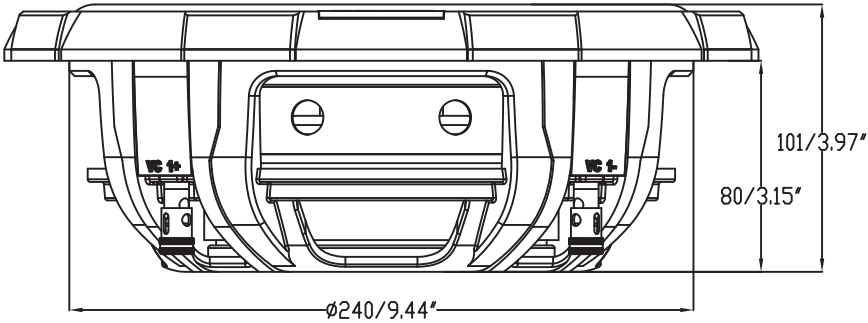
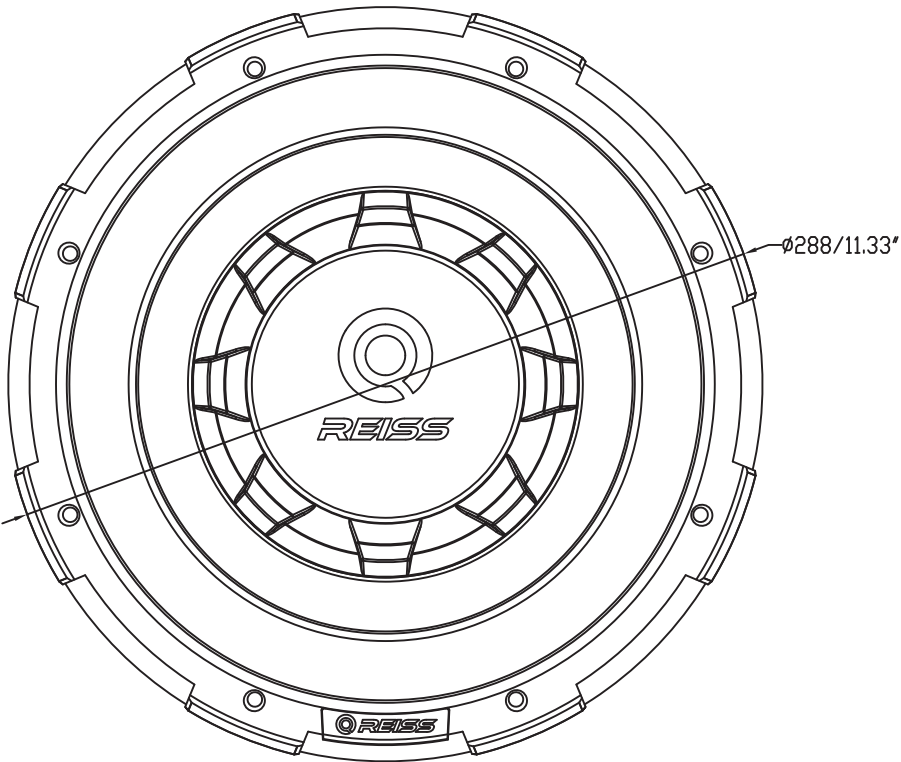
10" COMPETITION HIGH POWER SUBWOOFER

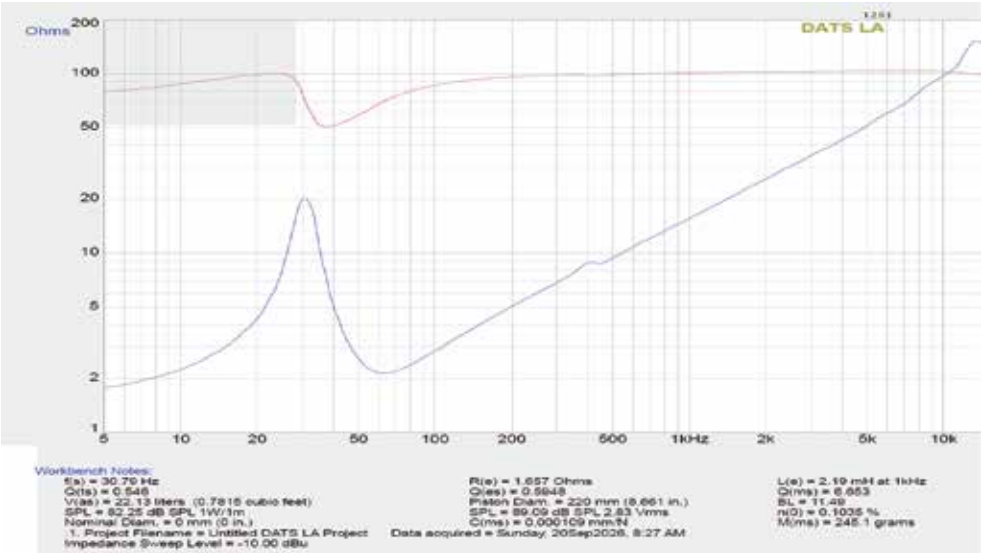
RS-QS10.D4

4Ω+4Ω



Since 1985
TURKISH ENGINEERING





SPECIFICATIONS

Nominal Diameter /	10" / 288 mm
Nominal Impedance /	4+4 OHMS
RMS Power Handling /	400 Watts
MAX Power Handling /	800 Watts
Sensitivity (1w/1m) /	82.2 dB
Frequency Response /	30Hz - 500Hz
Recommended Lo Pass Crossover /	80 Hz

MOTOR

Voice Coil Diameter /	1.5" / 38.6 mm
Voice Coil Former Material /	TIL
Winding Material /	EISV
Cone Material /	Injection PP
Dust Cap Material /	Aluminum
Surround Material /	Rubber
Basket Material /	Aluminum
Basket Color Finish /	Black wrinkle Coating with Machined Aluminum
Magnet Material /	Ferrite
Magnet Weight /	82 Oz

THIELE & SMALL PARAMETERS

Equivalent Volume /	Vas	22.1 L / 0.78 ft3
Free Air Resonance /	Fs	30 Hz
Mechanical Factor /	Qms	6.65
Electrical Factor /	Qes	0.594
Total Factor /	Qts	0.546
Moving Mass /	Mms	245.1 g
Compliance /	Cms	0.019 mm/N
Bl Factor /	Bl	11.49
Voice Coil Inductance /	Le	2.19 mH
Diaphragm Area /	Sd	380.1 cm2
DC Resistance /	Re	3.2+3.2 OHM

MEASUREMENT

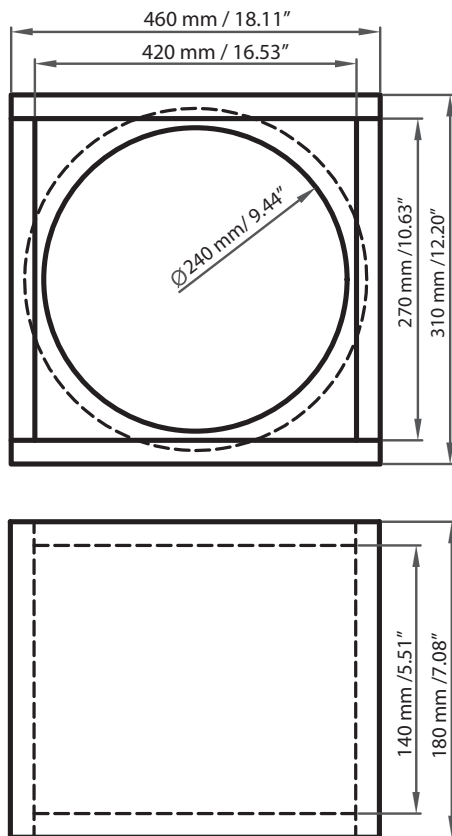
Overall Diameter /	11.33" / 288 mm
Overall Depth /	3.97" / 101 mm
Front Mount Baffle Cutout . /	9.44" / 240 mm
Mounting Depth /	3.15" / 80 mm
Motor Diameter /	5.27" / 134 mm

RECOMMENDED ENCLOSURES

Sealed Internal Volume /	15L / 0.53 ft3
Sealed Box Output Response /	51 Hz
Ported Internal Volume /	24L / 0.84 ft3
Port Size *Square (WxHxLong) /	1.37" x 13.78" x 19.48" / 35 mm x 350 mm x 495 mm
Port Tuning Frequency /	34 Hz
Ported Box Output Response /	28 Hz

RECOMMENDED BOX DIMENSION

SINGLE SUBWOOFER SEALED BOX



PARAMETERS

Box External Dimensions:

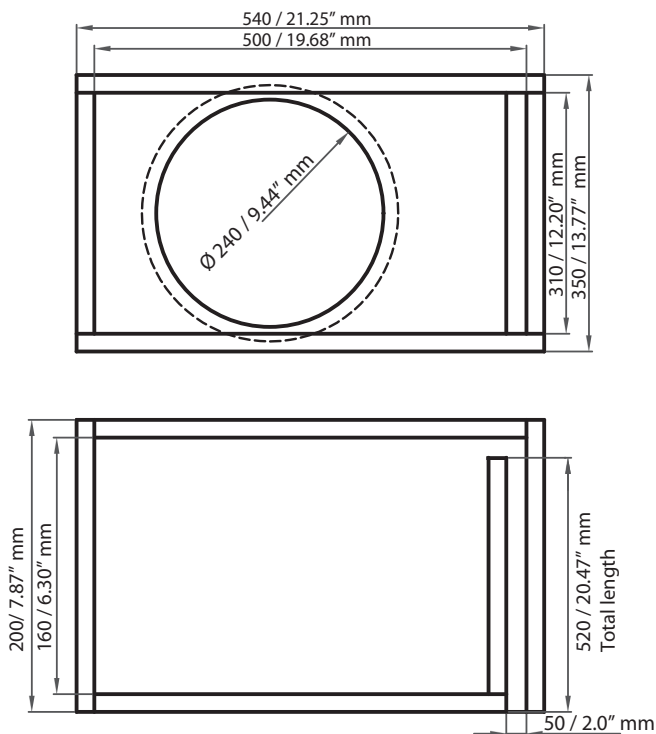
(WxHxD): 18.11"x 12.20"x 7.08" /

460 mm x 310mm x 180mm

Material Thickness: 0.78" / 20mm

Net Internal Volume : 0.53 ft³ / 15 L

SINGLE SUBWOOFER PORTED BOX



PARAMETERS

Box External Dimensions:

(WxHxD): 21.25" x 13.77" x 7.87" /
540 mm x 350 mm x 200 mm

Material Thickness: 0.78" / 20mm

Net Internal Volume: 0.84 ft³ / 24 L

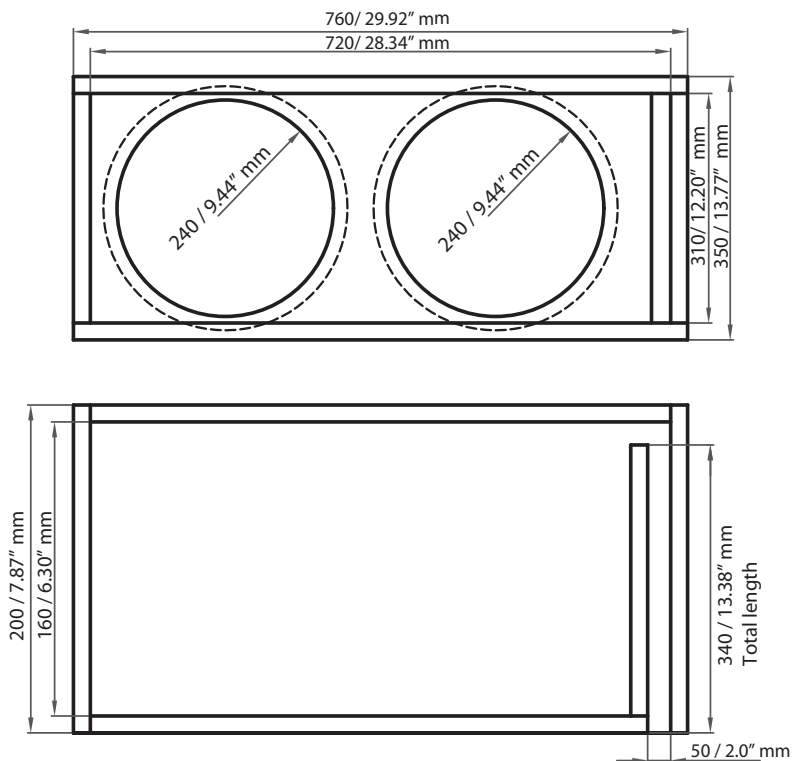
Tuning Frequency: 28 Hz

Port Area: 2.23 inch² / 56.7CM²

Port Intel: 2" x 6.29"

Port Length: 20.47" / 520 mm

DOUBLE SUBWOOFER PORTED BOX



PARAMETERS

Box External Dimensions:

(WxHxD): 29.92" x 13.77" x 7.87" /
760 mm x 350 mm x 200 mm

Material Thickness: 0.78" / 20mm

Net Internal Volume: 1.24 ft³ / 35 L

Tuning Frequency: 30.5 Hz

Port Area: 2.23 inch² / 56.7 CM²

Port Intel: 2" x 6.29"

Port Length: 13.38" / 340 mm



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