

R15



10000W MAX

Quick Guide Specifications

Design Features

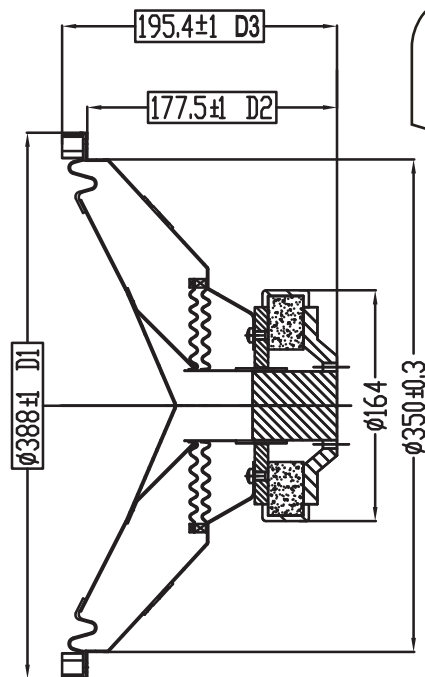
Basket:	Custom Stamp Steel Basket W/ Sandblast Powder Coat Finish
Gasket:	EVA Gasket to Secure The Surround Bonding
Magnet:	Single 65oz High Intensity Grade Ferrite Ring
Motor:	FEMM Engineered Motor Plates W/ White Zinc Finish
Cone:	Vacuum Massive Logo Cone W/ Sandblast Black Painted Surface Finish
Surround:	Wave Roll Shaped Foam Surround
Spider:	Dual Progressive Roll Poly-Cotton Spider W/ Woven Round Tinsel Lead Wire
Voice Coil:	2" Dual 4 Ohm CCAW Voice Coil On Alum. Former W/ Reinforced Neck Joint
Dust Cap:	Vacuum V-Shape Dust Cap W/ Woven Texture

Transducer Parameter

		REBEL 15	
Wiring		Parallel	Series
NomZ	Ohm	4 / 4	4 + 4
Sd	sqM	0.085	0.085
Revc	Ohm	1.7	6.8
Levc	mH	1	1
BL	TxM	10.97	19.96
Vas	Liter	183.2	183.2
Cms	uM/N	178.5	178.5
Mms	Grams	187.6	187.6
Fo	Hz	27.5	27.5
Qms		5	5
Qes		0.458	0.553
Qts		0.42	0.498
no	%	0.802	0.664
SPL@1W	dB	91.24	90.42
SPL@2.83V	dB	97.97	91.13
Xmax/Over Hang	mm	13.25	13.25
Xmech/Suspension	mm	20	20
Watt@RMS	Watts	500	500
Watt@PEAK	Watts	1000	1000

Physical Measurements

	Metric	Standard
Dispalcement	1.275L	0.045 ft3
Frame Diameter	388 mm	15.28"
Mounting Hole Diameter	350 mm	13.78"
Mounting Depth	177.5 mm	6.99"
Overall Depth	195.4 mm	7.69"



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Dual 4 Ohms



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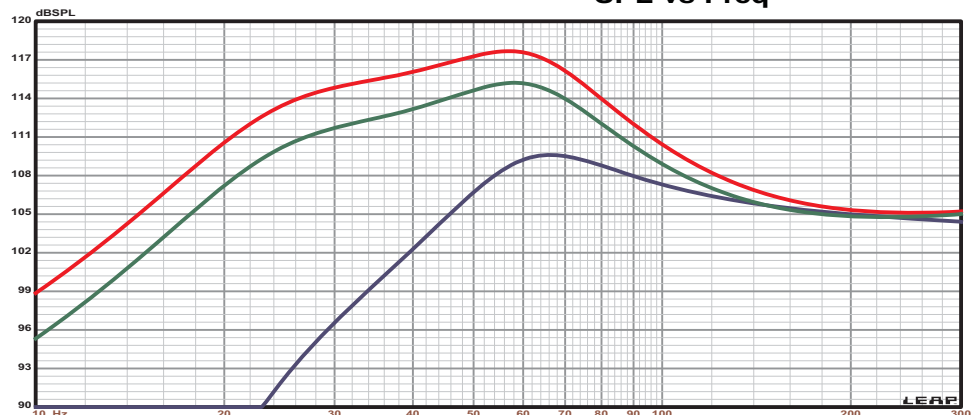
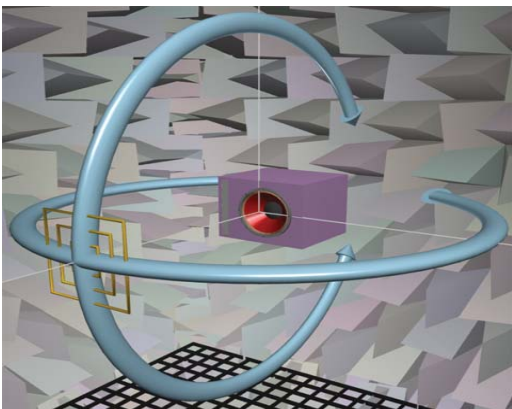
Quick Guide Specifications

Single Ported Enclosure

Box Dimintions			Sloted Port			Circular port	
H	W	D	Hp	Wp	Lp	Dp	Lp
16	24	18	14.5"	2"	12"	2 x 4"	8"
Volume	Tuning	F3	Frequency	Power	Subsonics	Impedance	
3.11 ft3	39.45 hz	36 hz	20-200 hz	20-500W	~ 24 Hz	2 // 8	



SPL vs Freq



All dimintions are external using 3/4" MDF
Simulated with 500W per Subwoofer @ 1m / 25° C

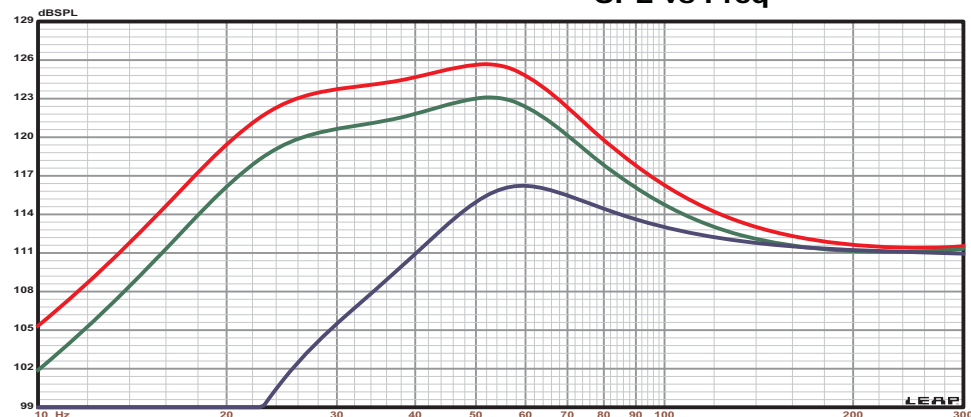
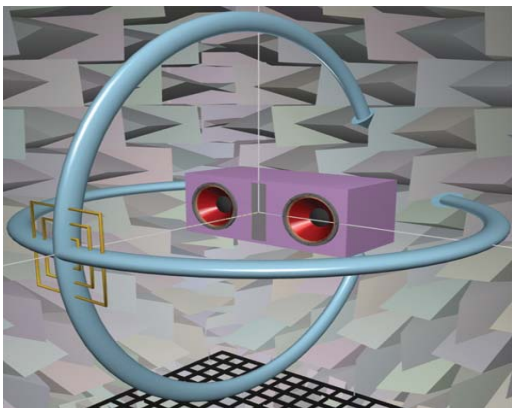
Red (top) = Full Space 105 Ft3 (approx. Car)
Green (middle) = Full Space 160 Ft3 (approx. SUV)
Blue (bottom) = Infinite Baffel

Dual Ported Common Chamber Enclosure

Box Dimintions			Sloted Port			Circular port	
H	W	D	Hp	Wp	Lp	Dp	Lp
16	42	20	14.5"	3.5"	12"	4 x 4"	12"
Volume	Tuning	F3	Frequency	Power	Subsonics	Impedance	
6.28 ft3	37.84 hz	29 hz	20-200 hz	50-1000W	~ 24 Hz	1 // 2 // 4	



SPL vs Freq



Sealed Enclosure:

This subwoofer has been designed to work very well in a small sealed enclosure.

Recommanned range 2 ft3 - 3.25 ft3

Fc= 36.2 Hz Center Frequency

F3 = 32.5 Hz -3 dB Frequency

Subsonic Setting = 22 Hz - 28 Hz

*Due to constant product improvement features and specifications are subject to change without notice.