



# 1000W MAX

## Quick Guide Specifications

## ***Design Features***

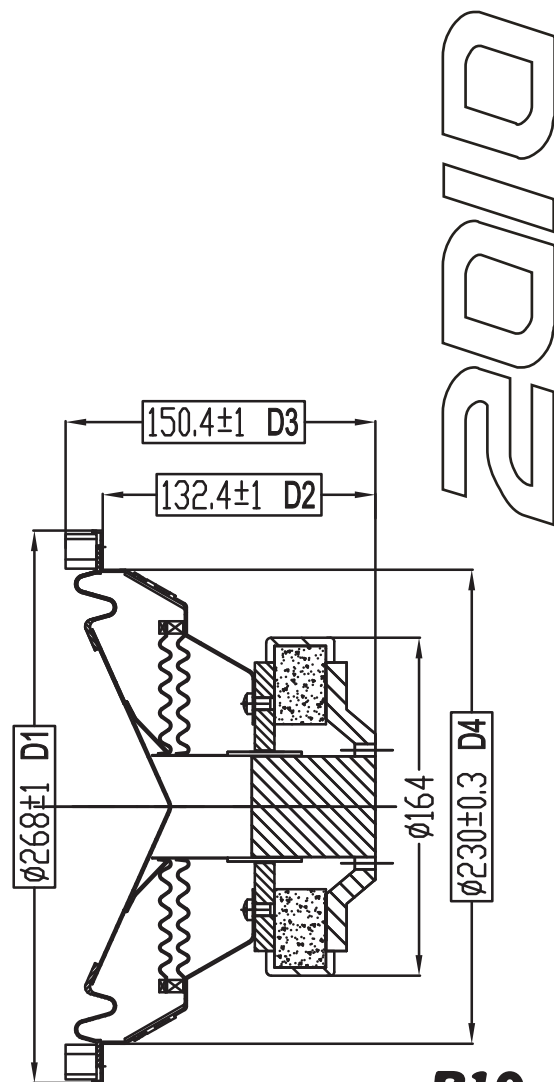
|                    |  |
|--------------------|--|
| <b>Basket:</b>     | Custom Stamp Steel Basket W/ Sandblast Powder Coat Finish                |
| <b>Gasket:</b>     | EVA Gasket to Secure The Surround Bonding                                |
| <b>Magnet:</b>     | Single 65oz High Intensity Grade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

### Transducer Parameter

| <b>Transducer Parameter</b> |              | <b>REBEL 10</b> |               |
|-----------------------------|--------------|-----------------|---------------|
| <b>Wiring</b>               |              | <u>Parallel</u> | <u>Series</u> |
| <b>NomZ</b>                 | <b>Ohm</b>   | 4 /4            | 4+4           |
| <b>Sd</b>                   | <b>sqM</b>   | 0.035           | 0.035         |
| <b>Revc</b>                 | <b>Ohm</b>   | 1.7             | 6.8           |
| <b>Levc</b>                 | <b>mH</b>    | 1               | 1             |
| <b>BL</b>                   | <b>TxM</b>   | 10.97           | 19.96         |
| <b>Vas</b>                  | <b>Liter</b> | 31.05           | 31.05         |
| <b>Cms</b>                  | <b>uM/N</b>  | 178.5           | 178.5         |
| <b>Mms</b>                  | <b>Grams</b> | 115.8           | 115.8         |
| <b>Fo</b>                   | <b>Hz</b>    | 35              | 35            |
| <b>Qms</b>                  |              | 5               | 5             |
| <b>Qes</b>                  |              | 0.36            | 0.435         |
| <b>Qts</b>                  |              | 0.336           | 0.4           |
| <b>no</b>                   | <b>%</b>     | 0.357           | 0.295         |
| <b>SPL@1W</b>               | <b>dB</b>    | 87.72           | 86.9          |
| <b>SPL@2.83V</b>            | <b>dB</b>    | 94.45           | 87.61         |
| <b>Xmax/Over Hang</b>       | <b>mm</b>    | 13.25           | 13.25         |
| <b>Xmech/Suspension</b>     | <b>mm</b>    | 20              | 20            |
| <b>Watt@RMS</b>             | <b>Watts</b> | 500             | 500           |
| <b>Watt@PEAK</b>            | <b>Watts</b> | 1000            | 1000          |

## Physical Measurements

| Physical Measurements  | Metric   | Standard  |
|------------------------|----------|-----------|
| Dispalcement           | 0.525L   | 0.0185ft3 |
| Frame Diameter         | 268 mm   | 10.55"    |
| Mounting Hole Diameter | 230 mm   | 9.06"     |
| Mounting Depth         | 132.4 mm | 5.21"     |
| Overall Depth          | 150.4 mm | 5.92"     |



# R10

Dual 4 Ohms



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# R10



# 1000W MAX

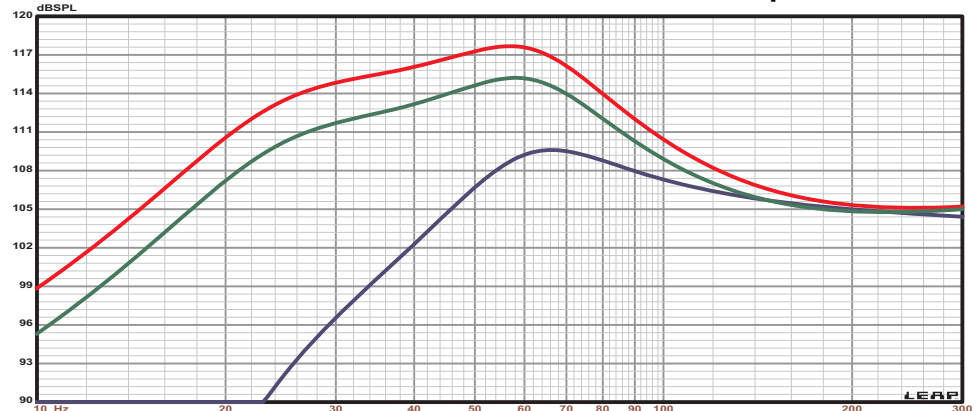
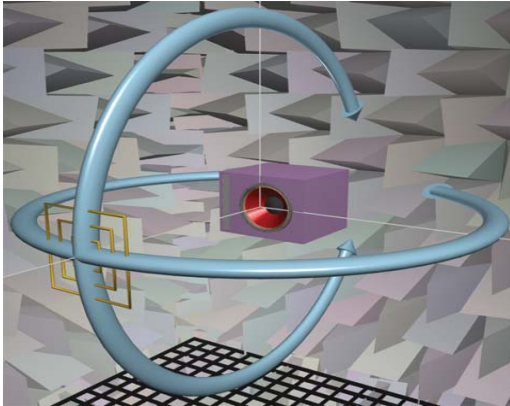
## Quick Guide Specifications

### Single Ported Enclosure

| Box Dimentions |          |         | Sloted Port    |         |           | Circular port |    |
|----------------|----------|---------|----------------|---------|-----------|---------------|----|
| H              | W        | D       | Hp             | Wp      | Lp        | Dp            | Lp |
| 12"            | 16"      | 14"     | 10.5"          | 0.75"   | 10"       | 3"            | 8" |
| Volume         | Tuning   | F3      | Frequency      | Power   | Subsonics | Impedance     |    |
| 1.1 ft3        | 44.53 Hz | 38.58Hz | 20 Hz - 250 Hz | 20-500W | 30 Hz     | 2 // 8        |    |



SPL vs Freq



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

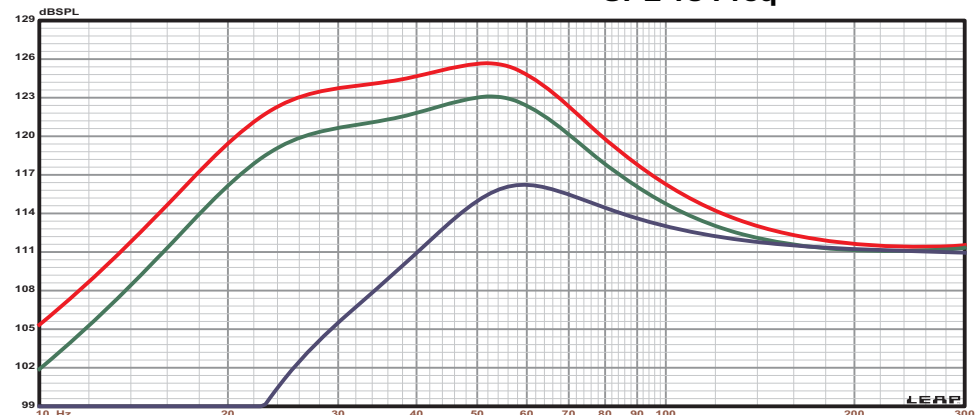
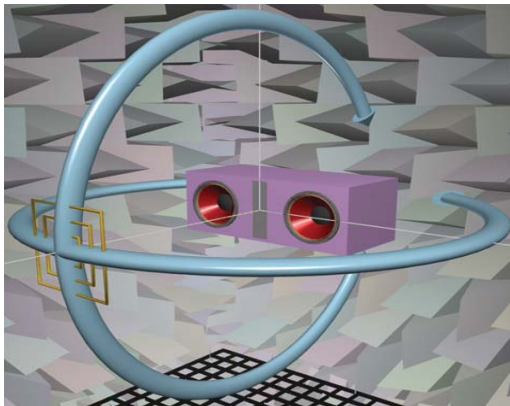
Red (top) = Full Space 105 Ft3 (approx. Car)  
Green (middle) = Full Space 160 Ft3 (approx. SUV)  
Blue (bottom) = Infinite Baffel

### Dual Ported Common Chamber Enclosure

| Box Dimentions |          |         | Sloted Port    |          |           | Circular port |    |
|----------------|----------|---------|----------------|----------|-----------|---------------|----|
| H              | W        | D       | Hp             | Wp       | Lp        | Dp            | Lp |
| 12"            | 30"      | 14"     | 10.5"          | 1.5"     | 10"       | 2x 3"         | 8" |
| Volume         | Tuning   | F3      | Frequency      | Power    | Subsonics | Impedance     |    |
| 2.16 ft3       | 43.86 Hz | 38.58Hz | 20 Hz - 250 Hz | 50-1000W | 28 Hz     | 1 //4//8      |    |



SPL vs Freq



### Sealed Enclosure:

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

Recommanned range 0.75 ft3 - 1.25 ft3

Fc= 49.2 Hz Center Frequency

F3 = 36.4 Hz -3 dB Frequency

Subsonic Setting = 29 Hz - 34 Hz

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