

## RECOMMENDED SUBWOOFER ENCLOSURE AND AMPLIFIER - FIREBALL SERIES SUBWOOFER

### Model No Fireball-12.D2

<b>Diameter:</b>	12" (30.5 cm)
<b>RMS/MAX Power:</b>	351/701 W
<b>Frequency Range:</b>	30-400 Hz
<b>Sensitivity:</b>	84.3 dB
<b>Resistance:</b>	2x2 ohm
<b>Voice coil diameter:</b>	2.4" (60.1 mm)
<b>Magnetic System Weight:</b>	48 Oz (1.36 kg)
<b>Resonant Frequency (Fo):</b>	32.28 Hz
<b>Mechanical quality factor (Qms):</b>	5.277
<b>Electrical quality factor (Qes):</b>	1.084
<b>Total quality factor (Qts):</b>	0.899
<b>Equivalent Volume (Vas):</b>	56.42 l
<b>Movable system mass (Mms):</b>	157.08 g
<b>Strength factor (BL):</b>	10.84 tm
<b>Voice coil Inductance (Le):</b>	1.33 mH
<b>Coil Resistance, Ohm (Re):</b>	2.0+2.0
<b>Effective diffuser area (Sd)</b>	506.71 cm <sup>2</sup>
<b>Suspension flexibility, mkm/H (Cms):</b>	154.74 um/N
<b>Reference Efficiency (No):</b>	0.17%
<b>Xmax:</b>	18mm

### Recommended Box Size

1.0 cuft - 1.6 cuft

### Recommended Box Dimensions

Box Size	QTC	F3
1.0 cuft	1.441	40.1 Hz
1.6 cuft	1.283	35.6 Hz

### Recommended Aura Amplifier

Fireball D1.1000

or any other amplifier which can provide 350-400 watts RMS at 4ohms or 1 ohms

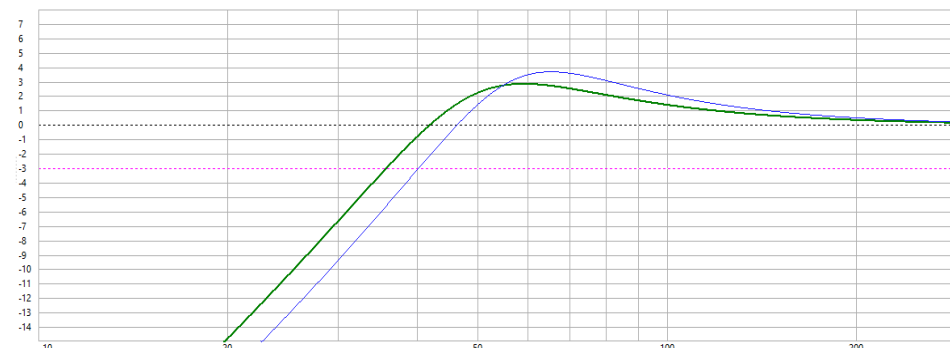
Sample Box Size for 1.6 cuft (18mm MDF): 22 X 15 X 11.3 (inches)  
Width X Height X Depth

\*Volumes are Net Internal Volumes and doesn't account for woofer displacement and bracings\*



### SEALED ENCLOSURE

FIREBALL-D1.1000



Green: 1.6 cuft

Blue: 1.0 Cuft

Pink Line: -3db point

### Model No Fireball-10.D2

<b>Diameter:</b>	10" (25.4 cm)
<b>RMS/MAX Power:</b>	351/701 W
<b>Frequency Range:</b>	30-400 Hz
<b>Sensitivity:</b>	84.1 dB
<b>Resistance:</b>	2x2 ohm
<b>Voice coil diameter:</b>	2.4" (60.1 mm)
<b>Magnetic System Weight:</b>	48 Oz (1.36 kg)
<b>Resonant Frequency (Fo):</b>	34.8 Hz
<b>Mechanical quality factor (Qms):</b>	5.12
<b>Electrical quality factor (Qes):</b>	0.96
<b>Total quality factor (Qts):</b>	0.809
<b>Equivalent Volume (Vas):</b>	27.07 l
<b>Movable system mass (Mms):</b>	126.1 g
<b>Strength factor (BL):</b>	10.45 tm
<b>Voice coil Inductance (Le):</b>	1.35 mH
<b>Coil Resistance, Ohm (Re):</b>	1.9+1.9
<b>Effective diffuser area (Sd)</b>	339.79 cm <sup>2</sup>
<b>Suspension flexibility, mkm/H (Cms):</b>	165.10 um/N
<b>Reference Efficiency (No):</b>	0.12%
<b>Xmax:</b>	18mm

### Recommended Box Size

0.6-1.0 cuft

### Recommended Box Dimensions

Box Size	QTC	F3
0.6 cuft	1.239	41.9 Hz
1.0 cuft	1.101	37.8 Hz

### Recommended Aura Amplifier

Fireball D1.1000

or any other amplifier which can provide 350-400 watts RMS at 4ohms or 1 ohms

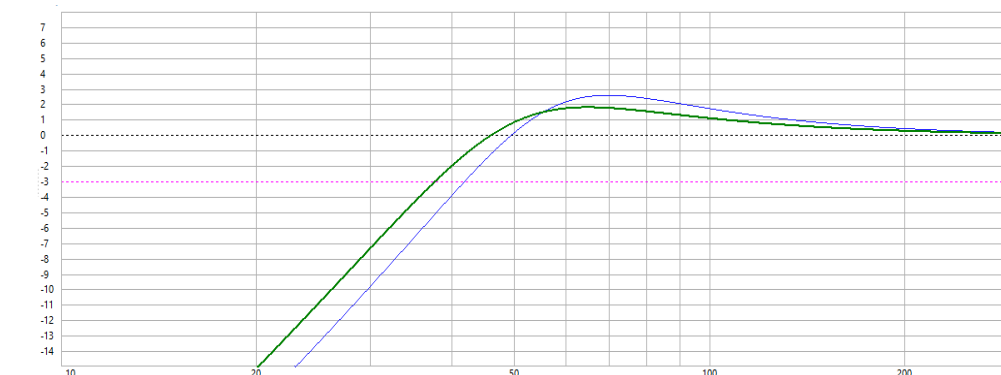
Sample Box Size for 1 cuft (18mm MDF): 19 X 15 X 8.65 (inches)  
Width X Height X Depth

\*Volumes are Net Internal Volumes and doesn't account for woofer displacement and bracings\*



### SEALED ENCLOSURE

FIREBALL-D1.1000



Green: 1.6 cuft

Blue: 1.0 Cuft

Pink Line: -3db point

### Connection options:

