



RECOMMENDED SUBWOOFER ENCLOSURE AND AMPLIFIER - INDIGO SERIES SUBWOOFER

Model No : INDIGO-12.D2		
Technical Specification and Parameters	Parallel	Series
Diameter:	12"(30.5CM)	
RMS/MAX Power:	751/1501W	
Frequency Range:	30-400.Hz	
Sensitivity:	84.1dB	
Resistance:	2X2 Ohm	
Voice coil diameter:	3"(76mm)	
Magnetic System Weight:	107.60z(3.05 Kg)	
Resonant Frequency (Fo):	37.3	37.3
Mechanical quality factor (Qms)	2.197	2.197
Electrical quality factor (Qes):	0.538	0.538
Total quality factor (Qts):	0.432	0.432
Equivalent Volume (Vas):	23.6l	23.6
Movable system mass (Mms):	288.7	288.7
Strength factor (BL):	10.63Tm	21.277
Voice coil Inductance (Le):	0.58mh	0.58
Coil Resistance, Ohm (Re):	0.9+0.9	1.8+1.8
Effective diffuser area (Sd)	513 cm ²	513
Suspension flexibility, mkm/H (Cms):	62.7um/N	62.7
Reference Efficiency (No):	0.22%	0.22%
Xmax:	30MM	30MM

INDIGO-12.D2



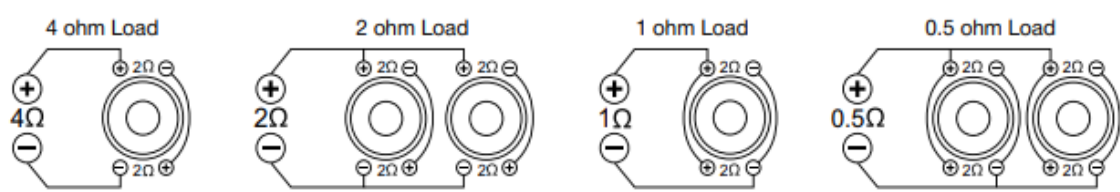
FIREBALL-D1.1000



VENOM-D1000 IN



Connection options:



Recommended Box Size

1.43 cuft

Recommended Box Type

Ported

Recommended Aura Amplifier

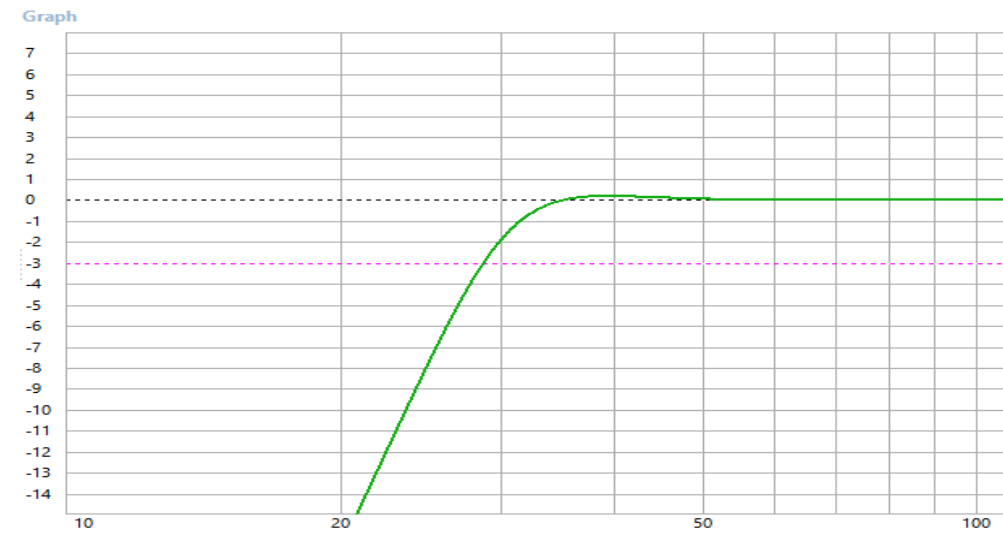
FIREBALL-D1.1000 or VENOM-D1000.IN

or any other amplifier which can provide 750 watts RMS at 4ohms or 1 ohms

Box Size	Port Tune	F3	Subsonic
1.43 cuft	32 Hz	28.71 Hz	25 Hz

Note These boxes sizes are calculated for maximum flat amplitude. If you want to tune it for SPL or loudness then you need to increase the tuning frequency.

PORTED ENCLOSURE



Green: 1.4 cuft

Pink Line: -3db point

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

Sample Box Dimensions

Parameter	Value
Box External Dimensions <i>Width * Height * Depth</i>	30.00" × 13.00" × 12.64"
Material Thickness	0.71"
Net Internal Volume	1.43 ft ³
Tuning Frequency	31.4 Hz
Port Area	22.00 inch ²
Port Inlet <i>Width * Height</i>	1.90" × 11.58"
Port Length	36.29"

Detail	Size	Quantity
Top / Bottom	30.00" × 12.64"	2
Front	27.39" × 11.58"	1
Rear	30.00" × 11.58"	1
Left	11.22" × 11.58"	1
Right	11.93" × 11.58"	1
Port	9.32" × 11.58"	1
Port	23.65" × 11.58"	1

