

USER MANUAL
BLACK DEVIL BD-15
15-INCH DUAL VOICE COIL



CAOS[®]
UNLIMITED
www.caosunlimited.com

1
Year Warranty



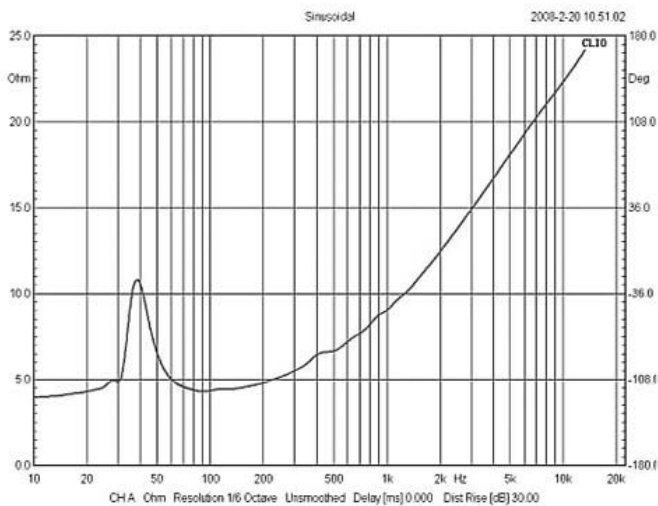
PRODUCT INFORMATIONS

GENERAL SPECIFICATIONS

Nominal Diameter: 15 inch
Rated Impedance: 2*4 ohms
Operating Bandwidth: 25HZ-4000HZ
Power Handling Capacity: 2000 W(Max)
Sensitivity : 95 dB
Voice coil Diameter: 2.5 inch

PHYSICAL INFORMATIONS

Basket: Steel
Magnet Type: 50+50 OZ
Cone Material: None Press Paper
Surround: Foam
Dust Cap: PP
Damper: Canvas
Packing Quantity: 1



THIELE-SMALL PARAMETERS

Resonance Frequency Fs: 38.5 HZ
DC Resistance Re: 2*3.4 ohm
Mechanical Q Factor Qms: 3,2
Electrical Q Factor Qes: 0,4421
Total Q Factor Qts: 0,3883
Equivalent Cas air load Vas: 106.76L

It is difficult to give exact box dimensions that are universal for all cars and trucks. It is for this reason that you must be able to calculate the space in which you have available in order to achieve the proper air volume required.

It is recommended to build your enclosure from 3/4" thick MDF (medium density fiberboard).
Make sure the enclosure is sealed air tight.

CALCULATING EXTERNAL VOLUME

1)To calculate box volume, measure the outside Width x Height x Depth of the enclosure.
Example $13" \times 15" \times 10" = 1950"$

2)next you must convert cubic inches into cubic feet. To do this, you must divide the cubic inch total by 1728".
Example $1950 : 1728 = 1.128$ Cubic feet

CALCULATING INTERNAL VOLUME

1)To calculate the internal (net) volume of the above box you must first multiply the thickness of the wood you are using by Two (2).
Example $3/4" \times 2" = 1.5"$

2)Next Subtract 1.5 from each of the outside measurements of the box.
Width $13 - 1.5 = 11.5$
Height $15 - 1.5 = 13.5$
Depth $10 - 1.5 = 8.5$

3)Multiply the new totals (H x W x D)
Example $11.5 \times 13.5 \times 8.5 = 1319.625$

4)Next you must convert cubic inches into cubic feet. To do this, you must divide the cubic inch total by 1728"
Example $1319.625 : 1728 = 0.7637$ Cubic feet