PEL-128B

By ArthurG, AG Audio Pro
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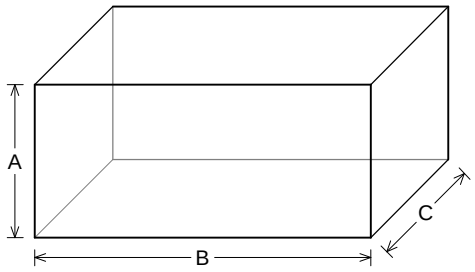
Box Properties

--Description--
Name: PEL-218B
Type: Vented Box
Shape: Prism, square
Company: AG Audio Pro
Comment: Special Custom design for napo
Finish: peinture trimite ou équivalent
Veneer: aucun
Core Material: MDF 19 et 22mm hydrofuge
Joinery: tenon / mortaise + tasseaux triangulaires
Bracing: aucun

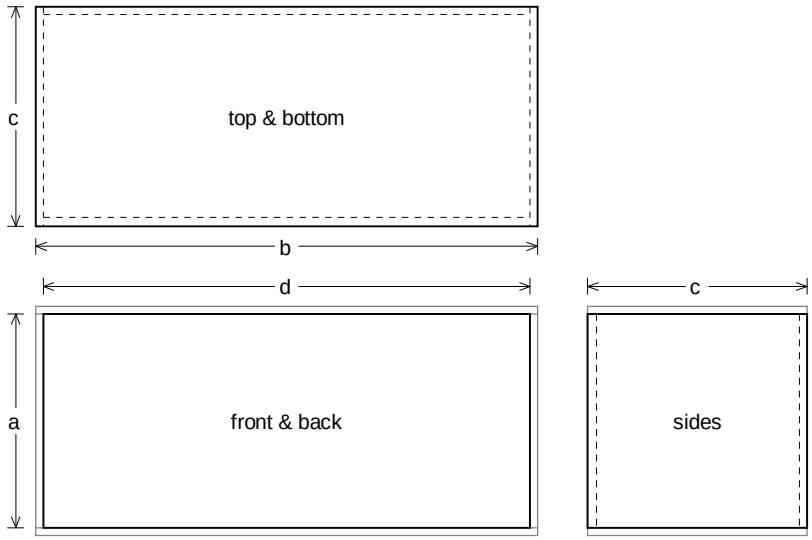


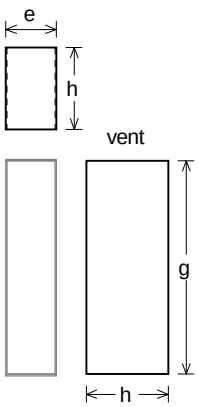
--External Dimensions--
A = 574, mm
B = 1259 mm
C = 550, mm
--Internal Dimensions--
A = 536, mm
B = 1221 mm
C = 509, mm
--Wall Thickness--
Front = 22, mm
Side = 19, mm

--Box Parameters--
Vb = 296,1 liters
V(total) = 332,4 liters
Fb = 41,86 Hz
QL = 5,
F3 = 55,36 Hz
Fill = none
--Vents--
No. of Vents = 1
Vent shape = rectangle
Vent ends = one flush
Hv = 536, mm
Wv = 120, mm
Lv = 205,7 mm

Driver Properties

--Description--
Name: C18-650EL
Type: Standard one-way driver
Company: P. Audio System Co., Ltd.
Piston: Paper
Suspension: Treated cloth
Frame: Die cast aluminum
Voice Coil: Rectangular copper clad Al. Wire
Terminals: Gold Plated Push
Magnet: Ferrite
--Configuration--
No. of Drivers = 2
Mounting = Standard
Wiring = Parallel
Drivers sum coherently = Yes
--Driver Parameters--
Fs = 45, Hz
Qms = 9,57
Vas = 158,3 liters [316,5]
Xmax = 8, mm
Sd = 1250 sq.cm [2500]
Qes = 0,39
Re = 5,3 ohms [2,65]
Le = 1,64 mH [0,82]
Z = 6,36 ohms [3,18]
Pe = 650, watts [1300]





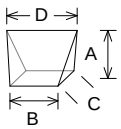
Box Parts

Box Shape: Square Prism
1 Top, 1 Bottom: depth (c) = 550, mm
width (b) = 1259, thickness = 19, mm
1 Front: height (a) = 536, mm
width (d) = 1221, thickness = 22, mm
1 Back: height (a) = 536, mm
width (d) = 1221, thickness = 19, mm
2 Sides: height (a) = 536, mm
depth (c) = 550,, thickness = 19, mm

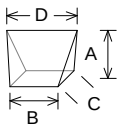
--Driver Mounting--
Mounting: Flush
Aim: All drivers face same direction

--Vent Parts--
1 Top, 1 Bottom:
width (e) = 126,4, length (h) = 205,7 mm
thickness = 3,175 mm
2 Sides:
height (g) = 536,, length (h) = 205,7 mm
thickness = 3,175 mm

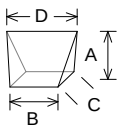
--Misc Objects Inside or Part of Box--
Object: Tasseaux renfort avant
No. of Objects: 8
Each Object: 0,176 liters
Total Volume: 1,411 liters (reduces box)
Shape: Wedge
A = 28, mm
B = 450, mm
C = 28, mm
D = 450, mm



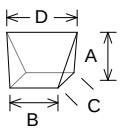
Object: Tasseaux renfort arrière
No. of Objects: 2
Each Object: 0,451 liters
Total Volume: 0,902 liters (reduces box)
Shape: Wedge
A = 28, mm
B = 1150 mm
C = 28, mm
D = 1150 mm



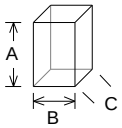
Object: Tasseaux renfort latéral
No. of Objects: 4
Each Object: 0,196 liters
Total Volume: 0,784 liters (reduces box)
Shape: Wedge
A = 28, mm
B = 500, mm
C = 28, mm
D = 500, mm



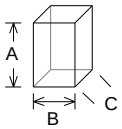
Object: Tasseaux renfort port
No. of Objects: 2
Each Object: 0,0588 liters
Total Volume: 0,118 liters (reduces box)
Shape: Wedge
A = 28, mm
B = 150, mm
C = 28, mm
D = 150, mm



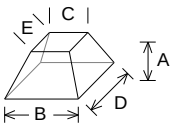
Object: Renfort rigidité latérale
No. of Objects: 2
Each Object: 1,12 liters
Total Volume: 2,24 liters (reduces box)
Shape: Square Prism
A = 536, mm
B = 110, mm
C = 19, mm



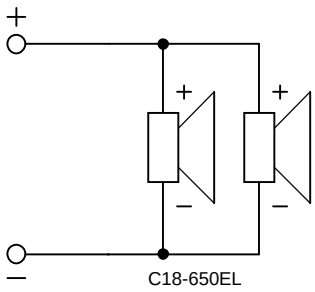
Object: Renfort rigidité transversale
No. of Objects: 3
Each Object: 0,826 liters
Total Volume: 2,477 liters (reduces box)
Shape: Square Prism
A = 395, mm
B = 110, mm
C = 19, mm



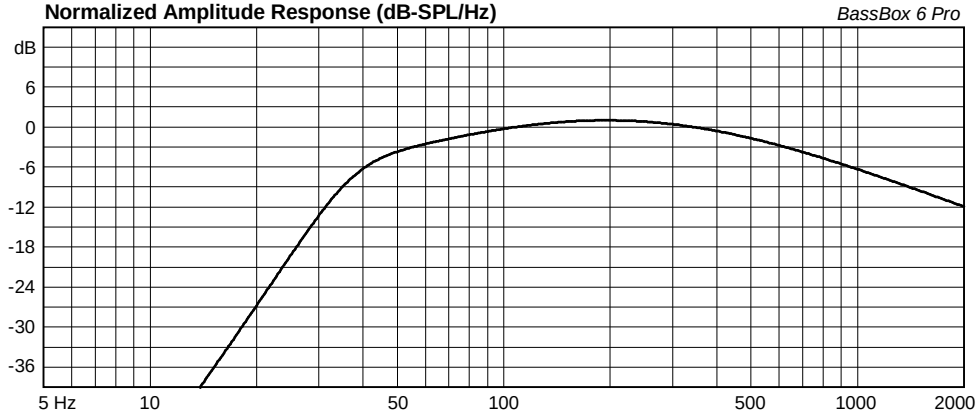
Object: Poignées type Marshall
No. of Objects: 4
Each Object: 0,98 liters
Total Volume: 3,92 liters (reduces box)
Shape: Truncated Pyramid
A = 50, mm
B = 140, mm
C = 140, mm
D = 190, mm
E = 90, mm



Wiring Diagram

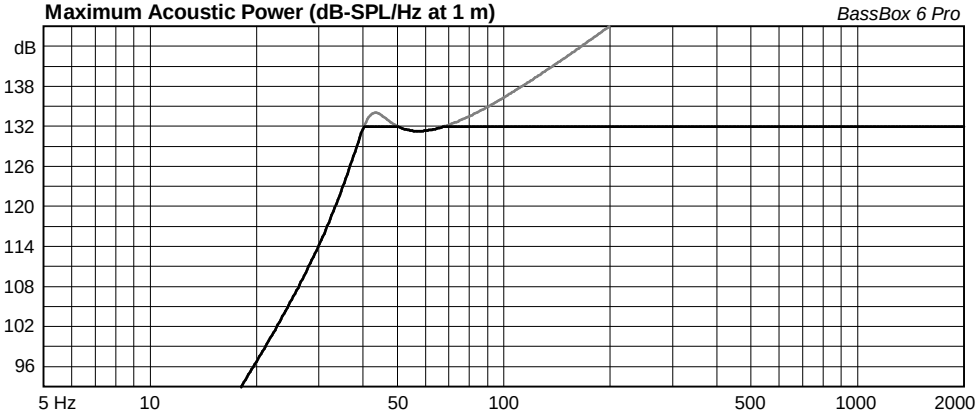


Normalized Amplitude Response (dB-SPL/Hz) *BassBox 6 Pro*

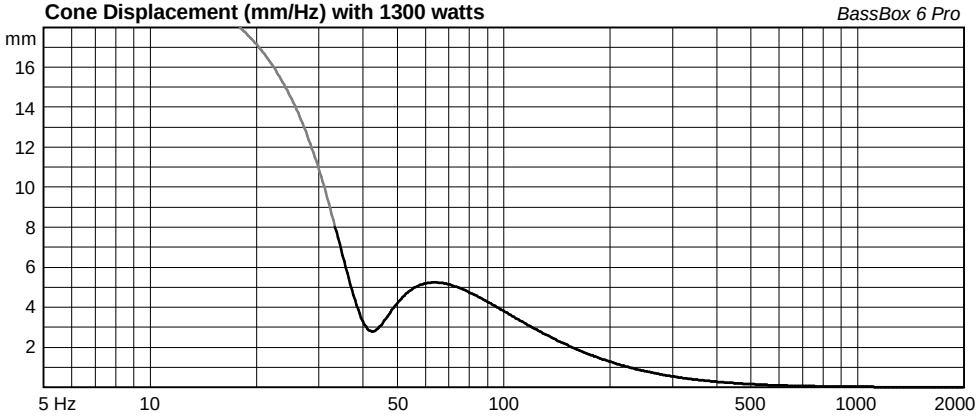


Version 4 ohm en full-space.
Ajouter 3dB de niveau pour du half-space (utilisation normale au sol)

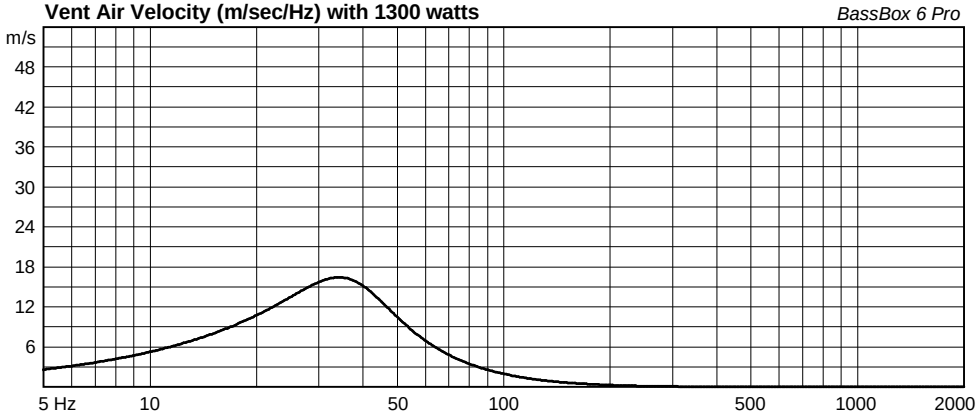
Maximum Acoustic Power (dB-SPL/Hz at 1 m) *BassBox 6 Pro*

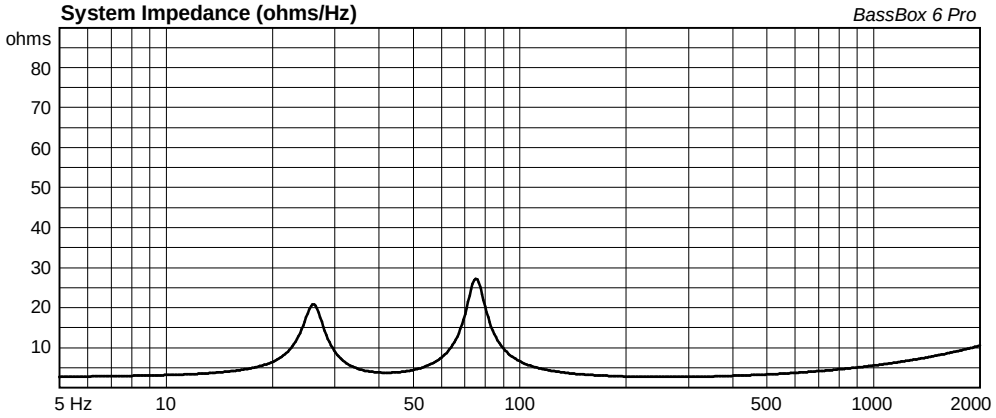


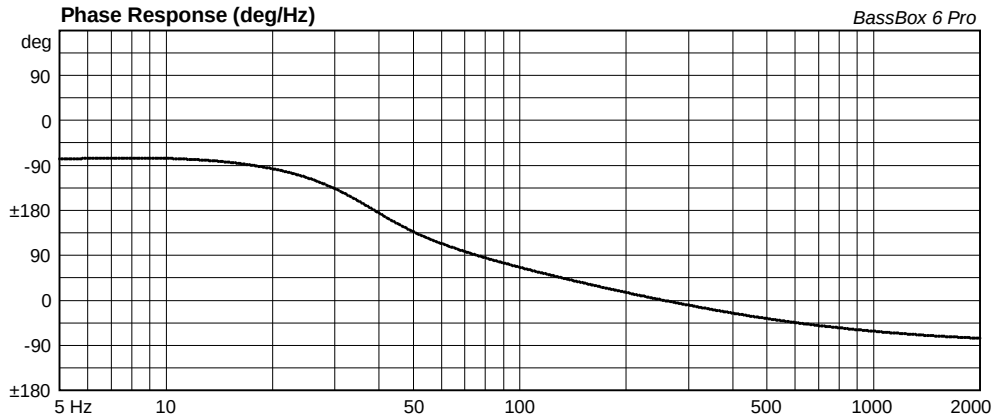
Cone Displacement (mm/Hz) with 1300 watts *BassBox 6 Pro*

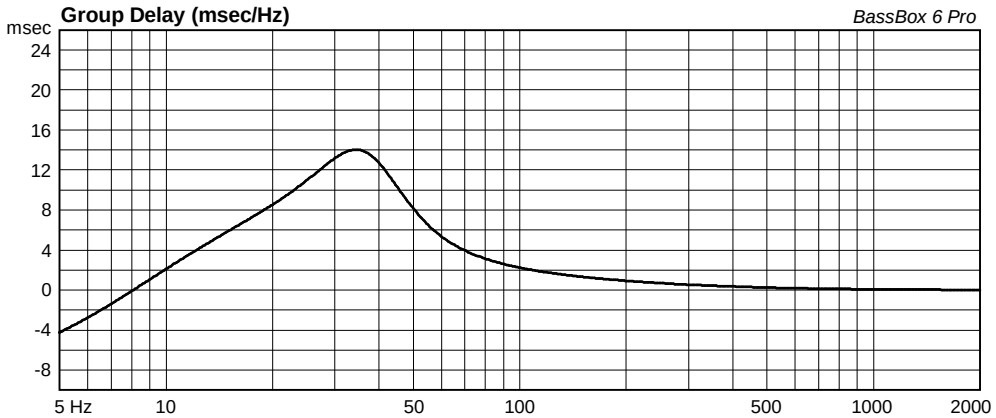


Vent Air Velocity (m/sec/Hz) with 1300 watts *BassBox 6 Pro*




System Impedance (ohms/Hz)
BassBox 6 Pro
ohms
80
70
60
50
40
30
20
10
5 Hz
10
50
100
500
1000
2000


Phase Response (deg/Hz)
BassBox 6 Pro
deg
90
0
-90
±180
90
0
-90
±180
5 Hz
10
50
100
500
1000
2000


Group Delay (msec/Hz)
BassBox 6 Pro
msec
24
20
16
12
8
4
0
-4
-8
5 Hz
10
50
100
500
1000
2000