

### Box Properties

*--Description--*

Name:  
Type: Vented Box  
Shape: Prism, square

*--Box Parameters--*

Vb = 0.75 cu.ft  
V(total) = 0.778 cu.ft  
Fb = 40.94 Hz  
QL = 7  
F3 = 39.87 Hz  
Fill = minimal

*--Vents--*

No. of Vents = 1  
Vent shape = rectangle  
Vent ends = one flared  
Hv = 5 in  
Wv = 0.75 in  
Lv = 7.5 in

### Driver Properties

*--Description--*

Name: FR151B8-22F  
Type: Standard one-way driver  
Company: Airborne

*--Configuration--*

**No. of Drivers = 1**

*--Mechanical Parameters--*

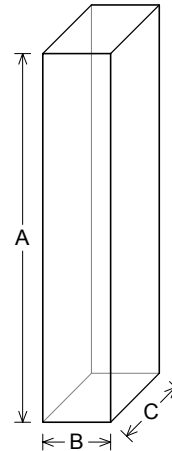
Fs = 43.97 Hz  
Qms = 6.968  
Vas = 19.37 liters  
Cms = 1.511 mm/N  
Mms = 8.67 g  
Rms = 0.344 kg/s  
Xmax = 2.9 mm  
Xmech = 4.35 mm  
P-Dia = 110 mm  
Sd = 95 sq.cm  
P-Vd = 0.0275 liters

*--Electrical Parameters--*

Qes = 0.538  
Re = 6.2 ohms  
Le = 0.21 mH  
Z = 8 ohms  
BL = 5.255 Tm  
Pe = 30 watts

*--Electromech. Parameters--*

Qts = 0.499  
no = 0.295 %  
1-W SPL = 86.85 dB  
2.83-V SPL = 88 dB



*--External Dimensions--*

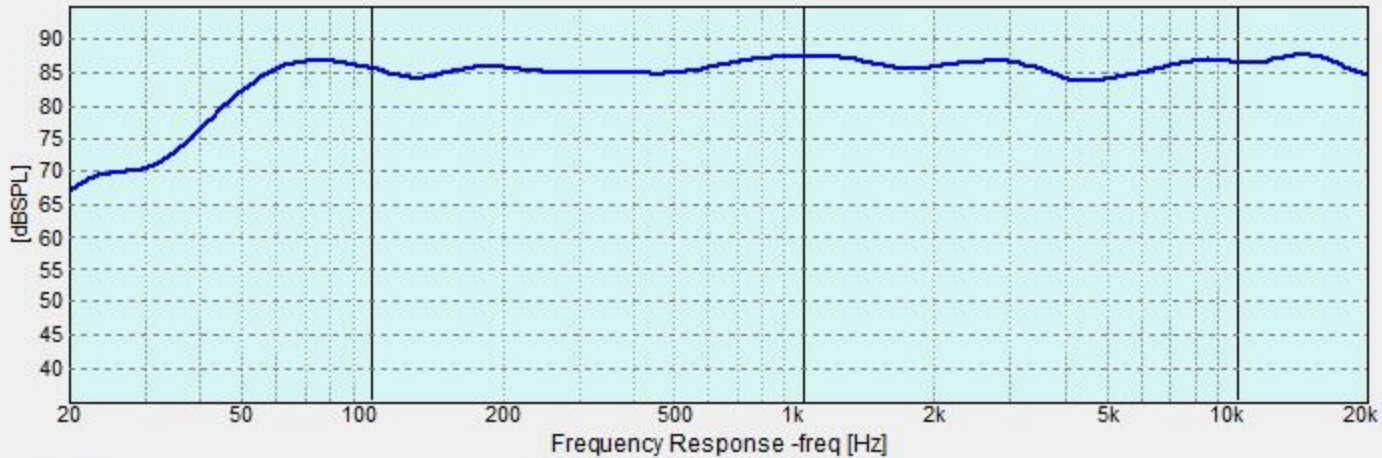
A = 38 in  
B = 7 in  
C = 9.467 in

*--Internal Dimensions--*

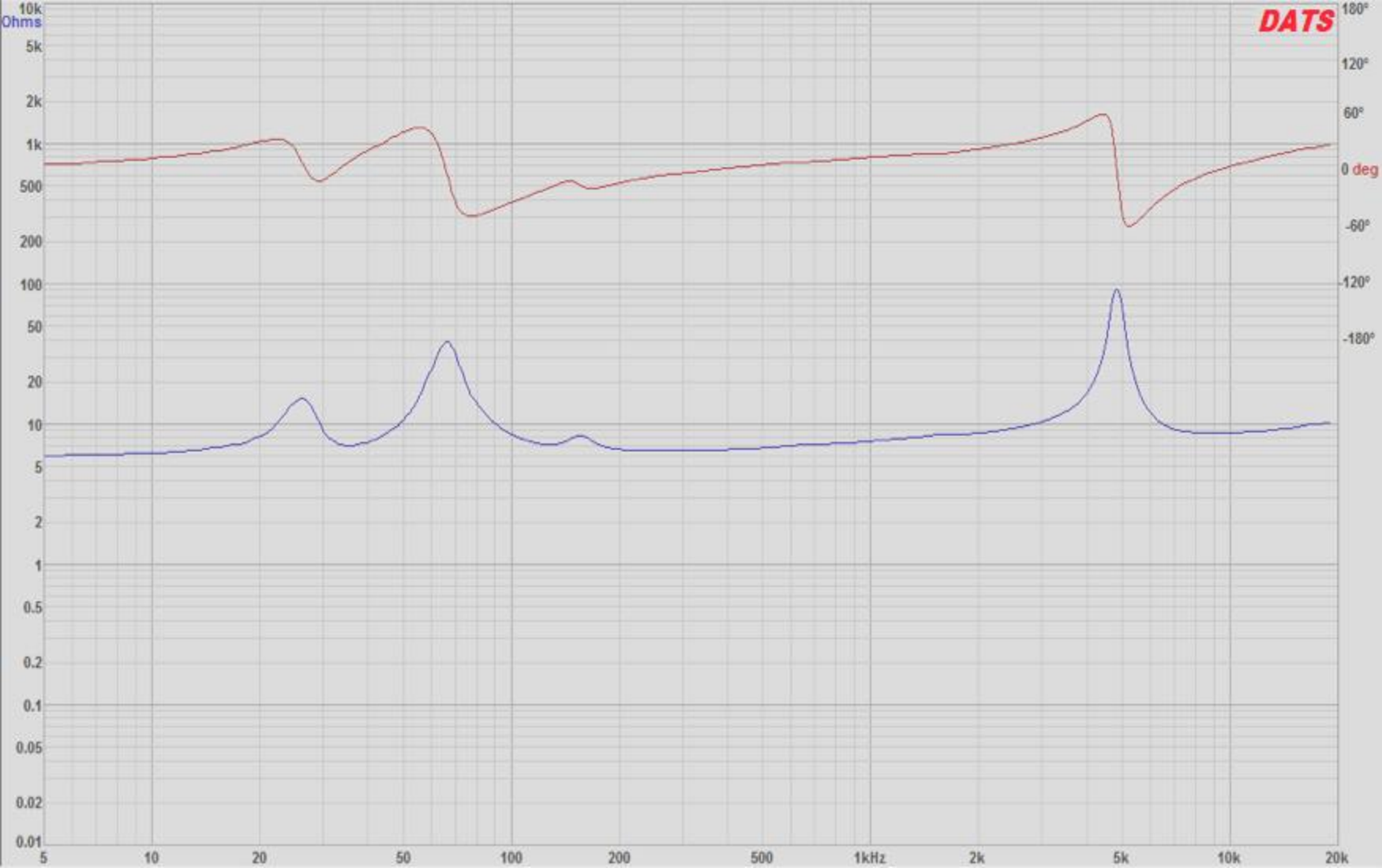
A = 36 in  
B = 5 in  
C = 7.467 in

*--Wall Thickness--*

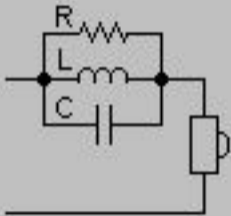
Front = 1 in  
Side = 1 in



OmniMic



## Parallel Notch Filter

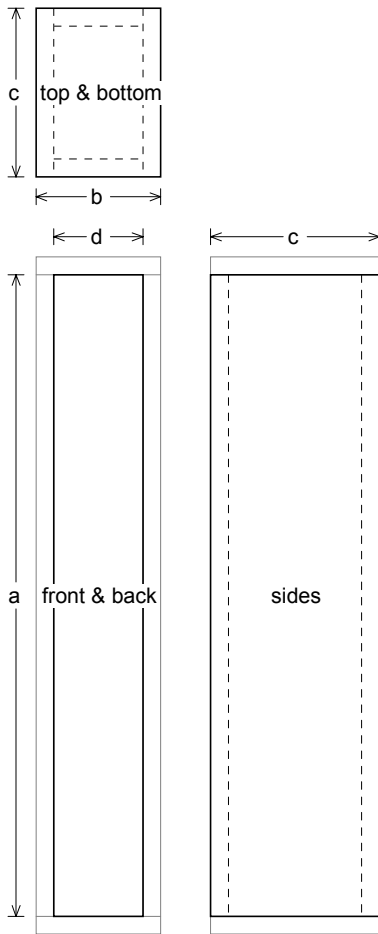


$$C = 6.8 \mu\text{F}$$

$$L = 0.16 \text{ mH}$$

$$R = 0.16 \text{ ohms}$$

Note: R is the DCR of the coil.



### Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 9.467 in

width (b) = 7, thickness = 1 in

1 Front, 1 Back: height (a) = 36 in

width (d) = 5, thickness = 1 in

2 Sides: height (a) = 36 in

depth (c) = 9.467, thickness = 1 in

--Driver Mounting--  
Mounting: Flush

--Vent Parts--

1 Top, 1 Bottom:

width (e) = 1, length (h) = 7.5 in

thickness = 0.125 in

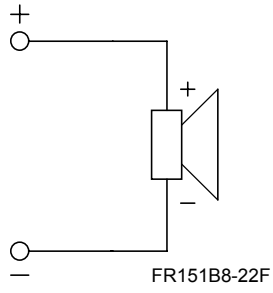
2 Sides:

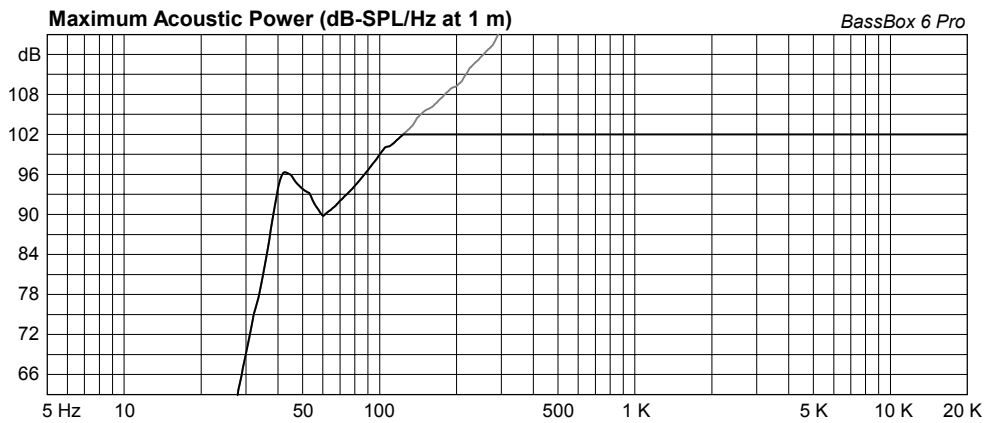
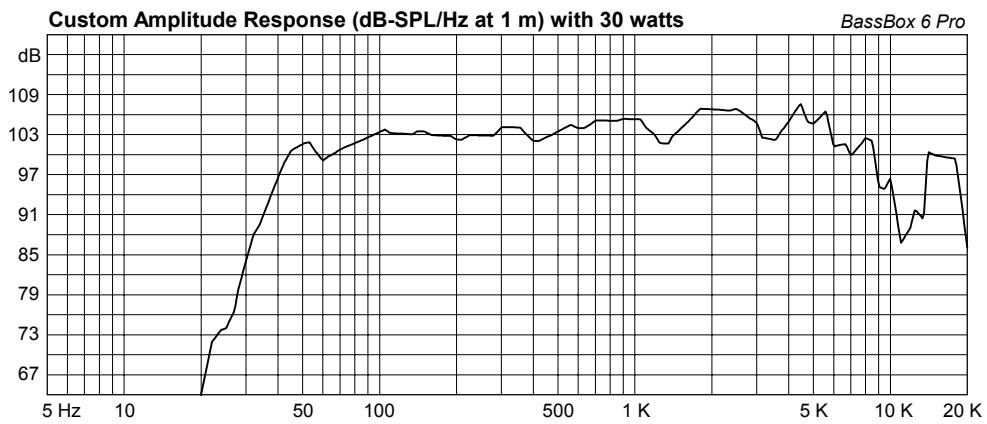
height (g) = 5, length (h) = 7.5 in

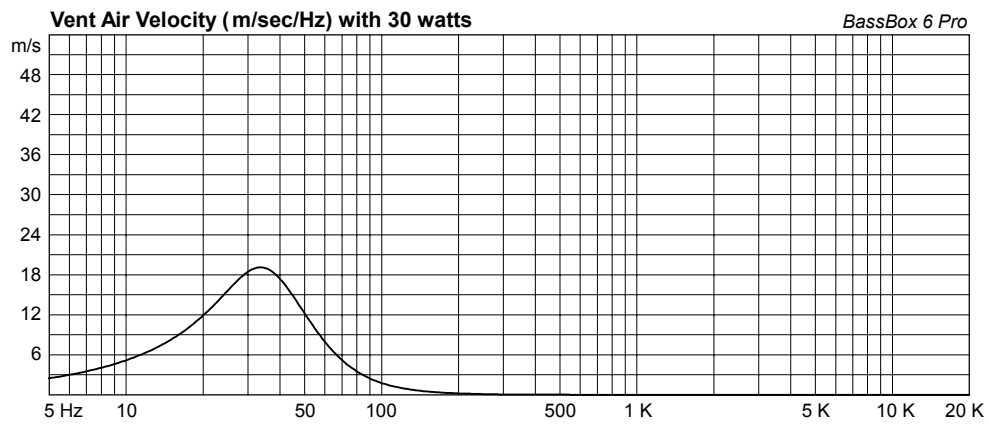
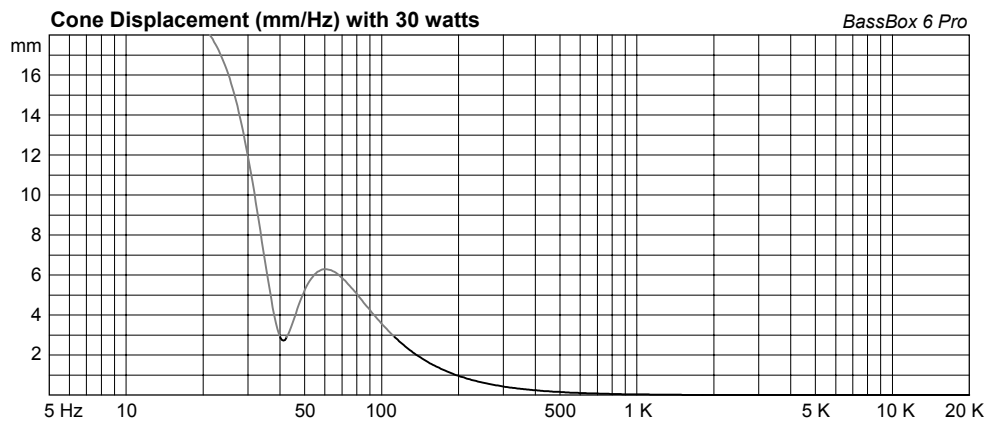
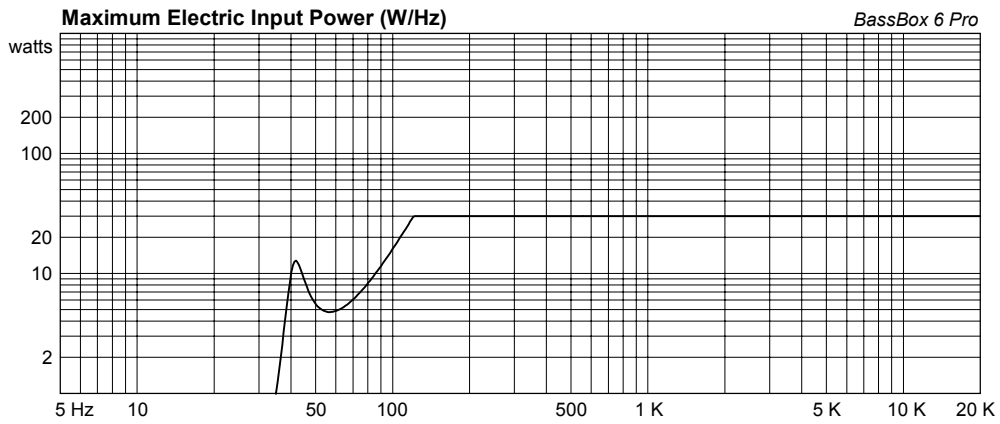
thickness = 0.125 in



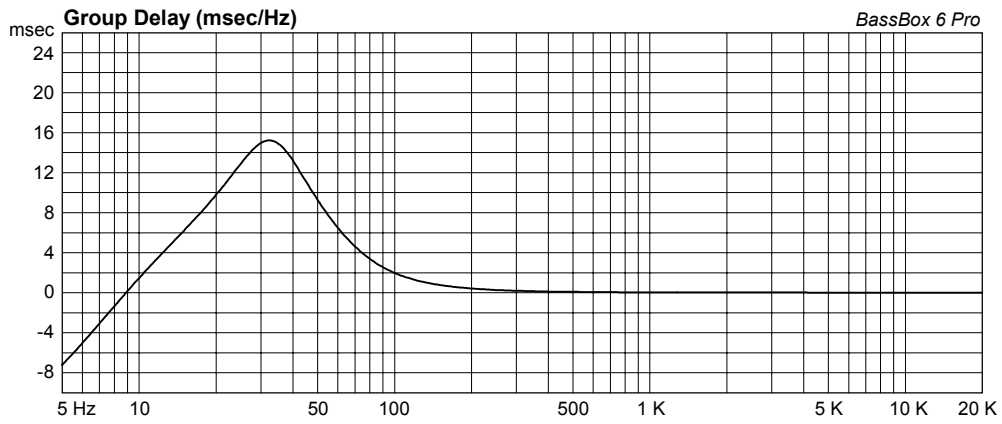
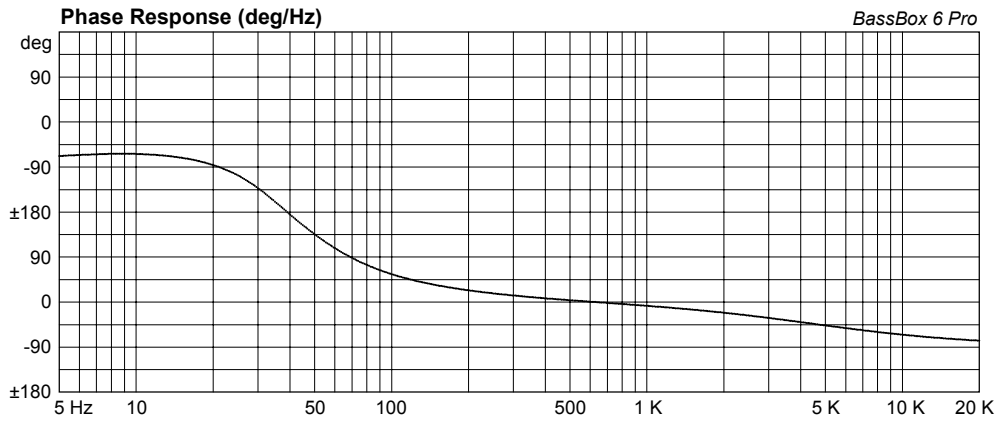
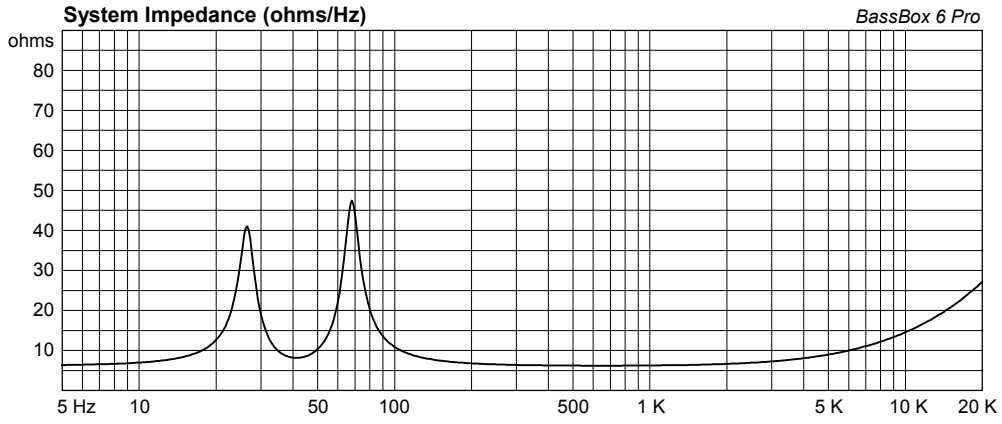
### Wiring Diagram

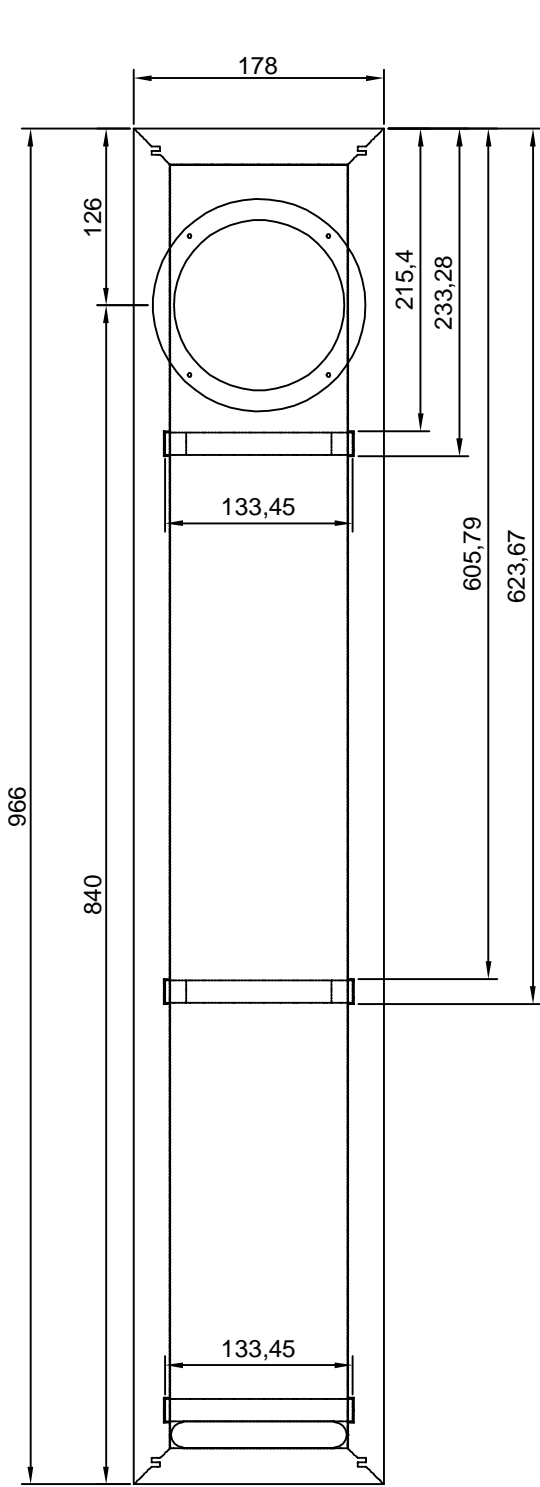




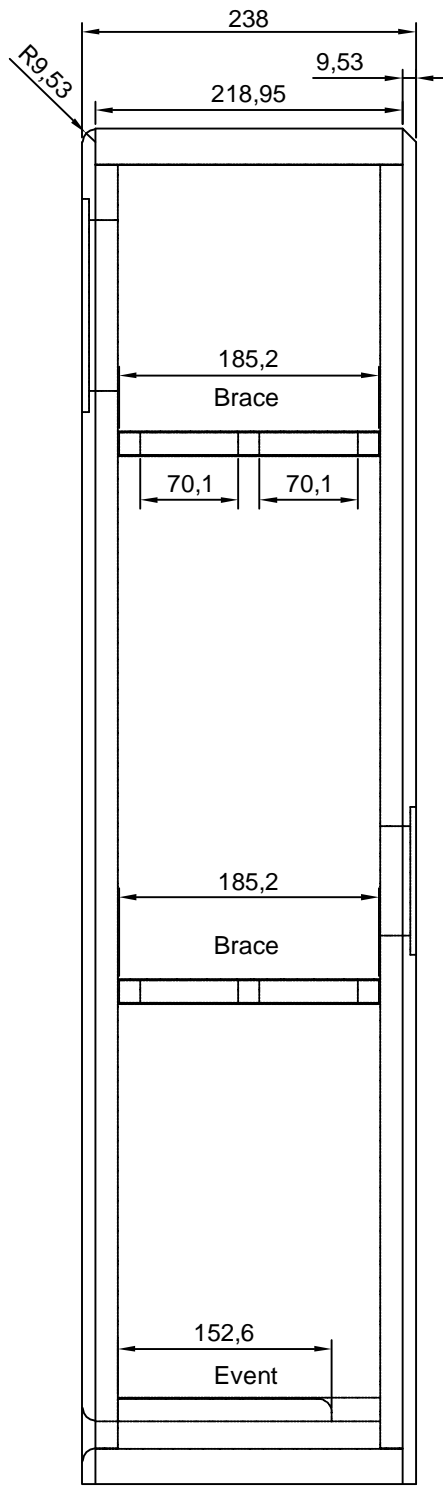




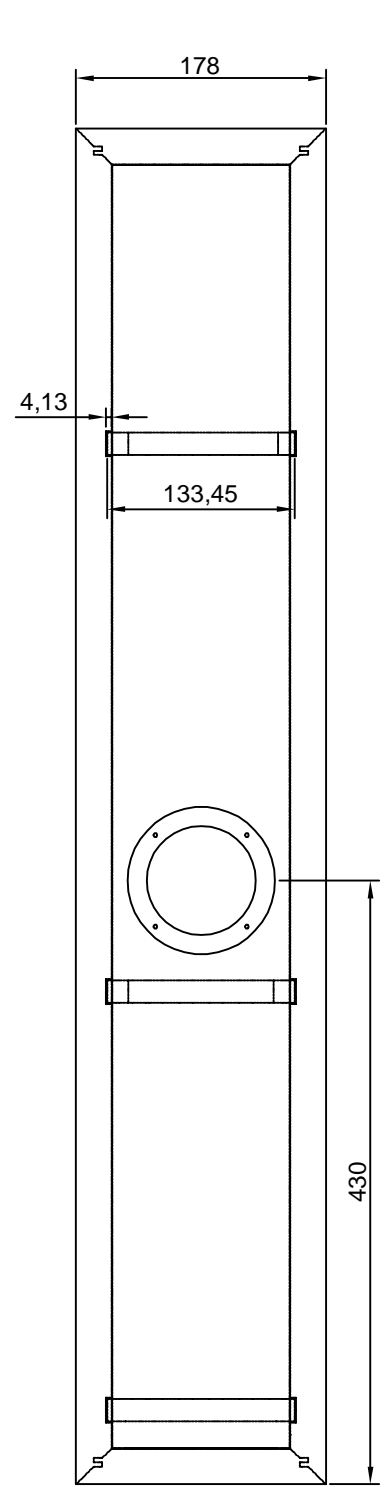




FRONT  
VIEW



SIDE  
VIEW



REAR  
VIEW

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Volando Cinco - Dessus & Dessous		2
2	Volando Cinco - Derrière		1
3	Volando Cinco - Côté		2
4	Volando Cinco - Facade Arrière		1
5	Volando Cinco - Devant		1
6	Volando Cinco - Facade Avant		1
7	Volando Cinco - Brace		2
8	Volando Cinco - Event		1

