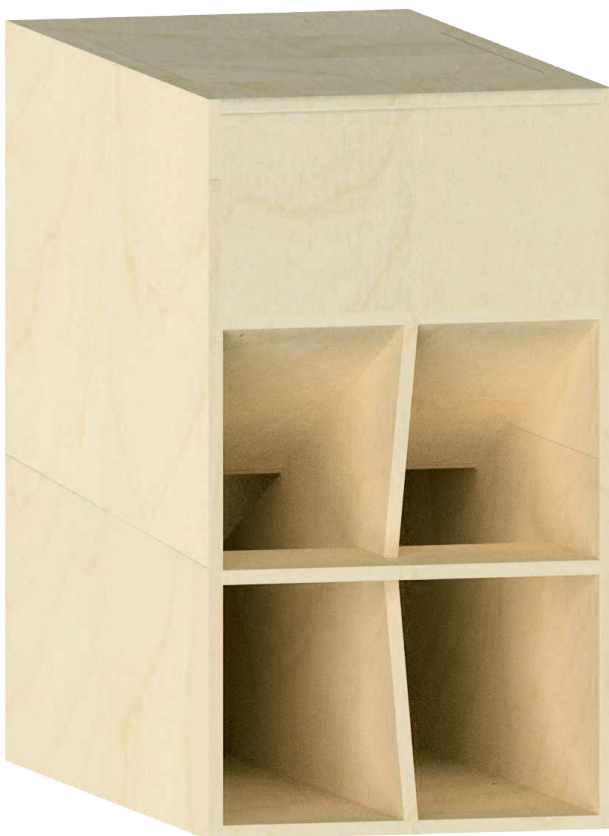




Lavoce

SUGGESTED DESIGN

BASSLINE 118H

1 x 18" HORN LOADED

SUBWOOFER OPTION 'A'



SAF184.02
1200 W AES

SUBWOOFER OPTION 'B'



SAN184.02
1200 W AES

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Lavoce Italiana

support@lavocespeakers.com

CABINET CONSTRUCTION

Lavoce

OVERVIEW



- NET CABINET VOLUME l (ft³): 68 (2.4)
- SUGGESTED TYPE OF WOOD: BALTIC BIRCH PLYWOOD (18mm thickness)
- THE FRONT Baffle CONSISTS OF TWO PANELS, GLUED TOGETHER, WHEN COMBINING THE TWO PANELS, THE GLUE SHOULD BE UNIFORMLY DISTRIBUTED ALL OVER THE SURFACE, IN ORDER TO REDUCE CABINET RESONANCES.
- OTHER CONSTRUCTION DETAILS (CONNECTORS, HANDLING, WHEELS, ETC.) ARE THE USER'S CHOICE



rev_B.a

SUGGESTED DESIGN

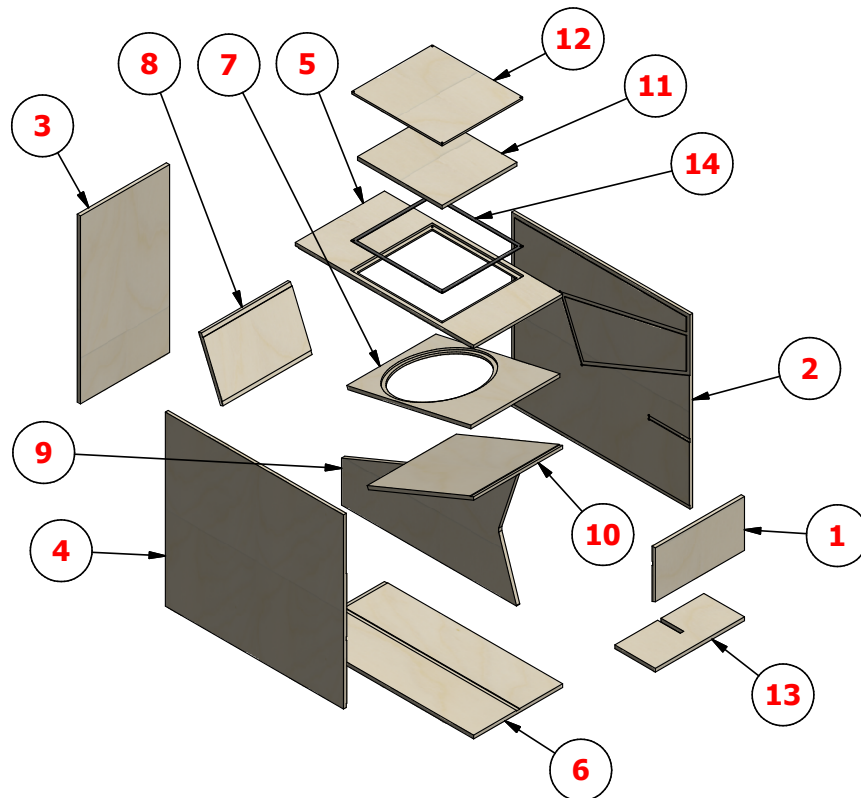
BASSLINE 118H

1 / 22

CABINET CONSTRUCTION

Lavoce

EXPLODED VIEW



NOTE: the project has been conceived to maximize the performance of the cabinet, therefore the coupling of the panels is made by milling. If a different coupling method is used, the size of the internal panels must be recalculated

ITEM N°	QTY	DESCRIPTION	PAGE
1	1	FRONT PANEL	3
2	1	SIDE PANEL - RIGHT	4
3	1	BACK PANEL	5
4	1	SIDE PANEL - LEFT	6
5	1	TOP PANEL	7
6	1	BOTTOM PANEL	8
7	1	SPEAKER BAFFLE	9
8	1	BRACKET	10
9	1	VERTICAL DUCT	11
10	1	HORIZONTAL DUCT A	12
11	1	HATCH PANEL A	13
12	1	HATCH PANEL B	14
13	1	HORIZONTAL DUCT B	15
14	1	GASKET	16

rev_B.a



SUGGESTED DESIGN

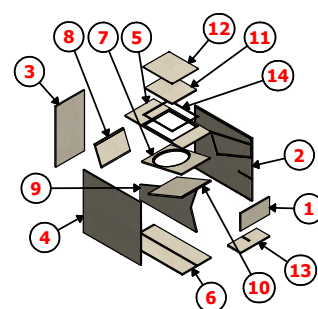
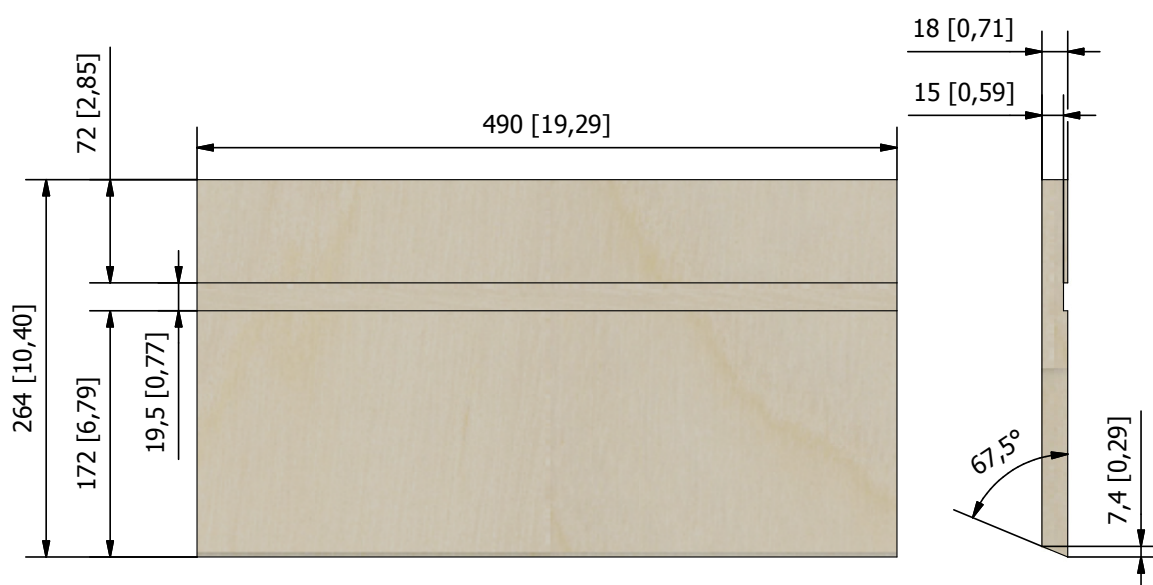
BASSLINE 118H

2 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 1 - FRONT PANEL



rev_B.a



SUGGESTED DESIGN

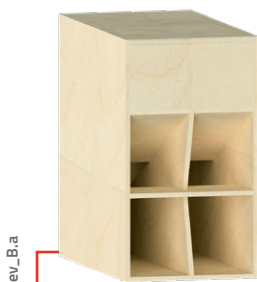
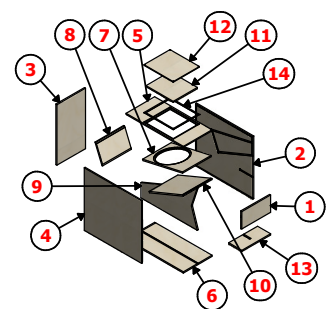
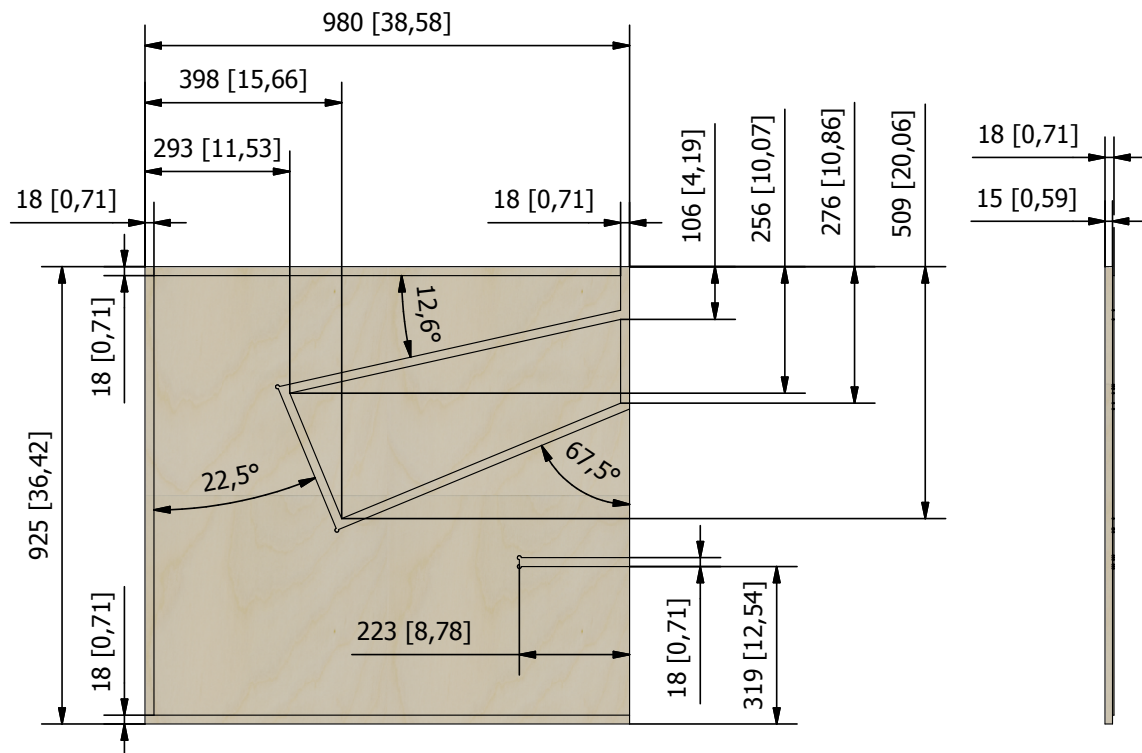
BASSLINE 118H

3 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 2 – SIDE PANEL – RIGHT



rev_B.a

SUGGESTED DESIGN

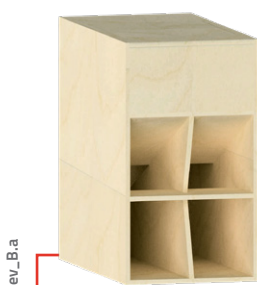
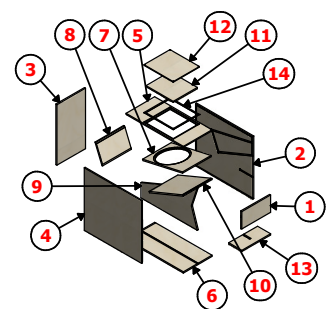
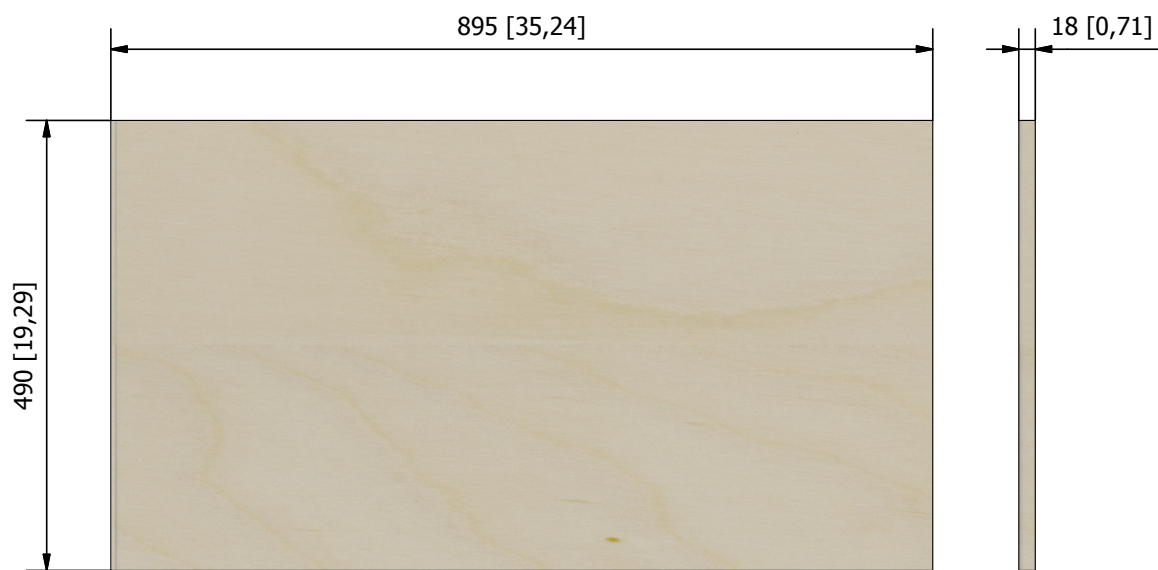
BASSLINE 118H

4 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 3 – BACK PANEL



rev_B.a

SUGGESTED DESIGN

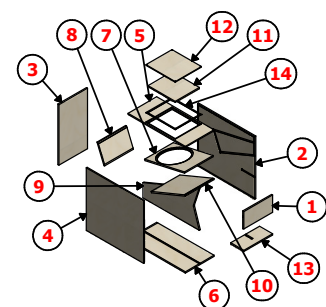
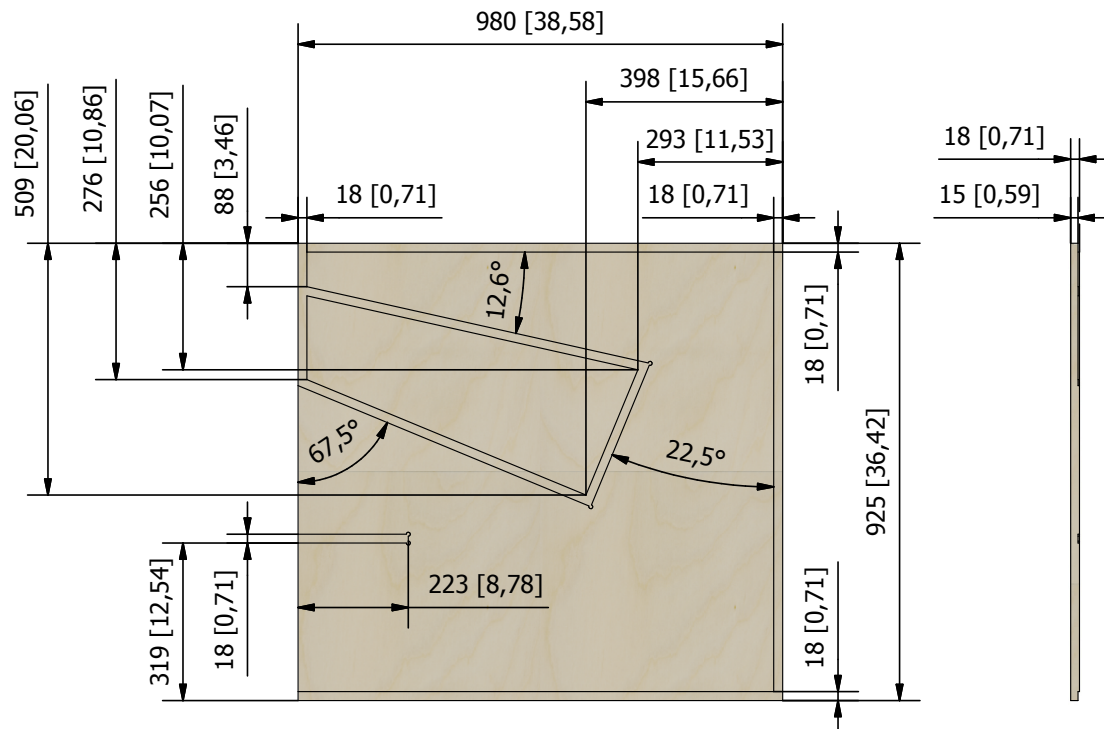
BASSLINE 118H

5 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 4 - SIDE PANEL - LEFT



rev_B.a



SUGGESTED DESIGN

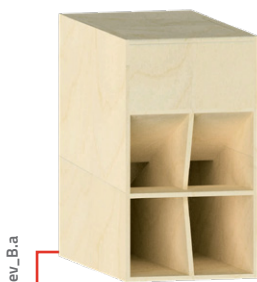
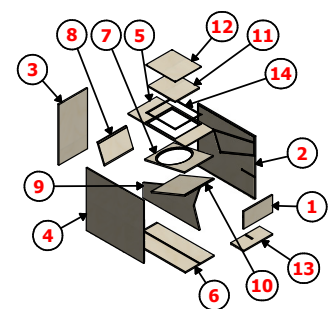
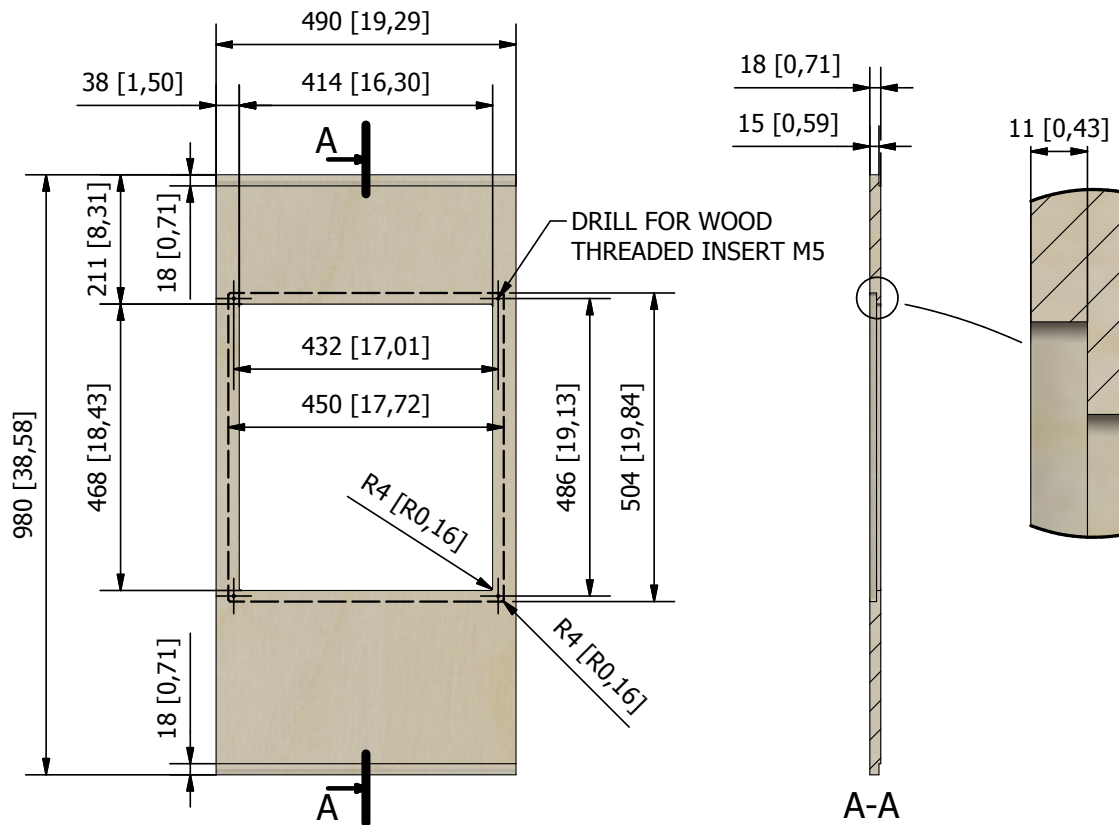
BASSLINE 118H

6 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 5 - TOP PANEL



rev_B.a

SUGGESTED DESIGN

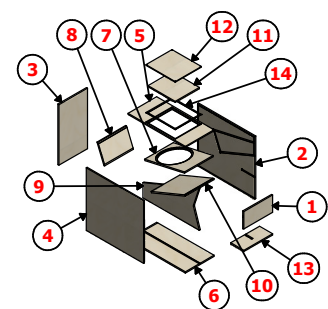
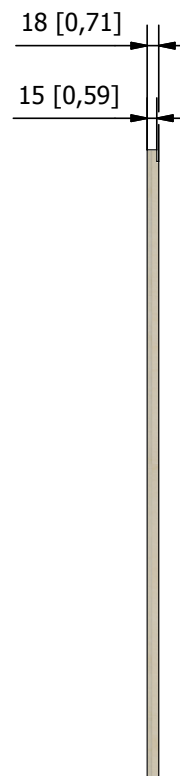
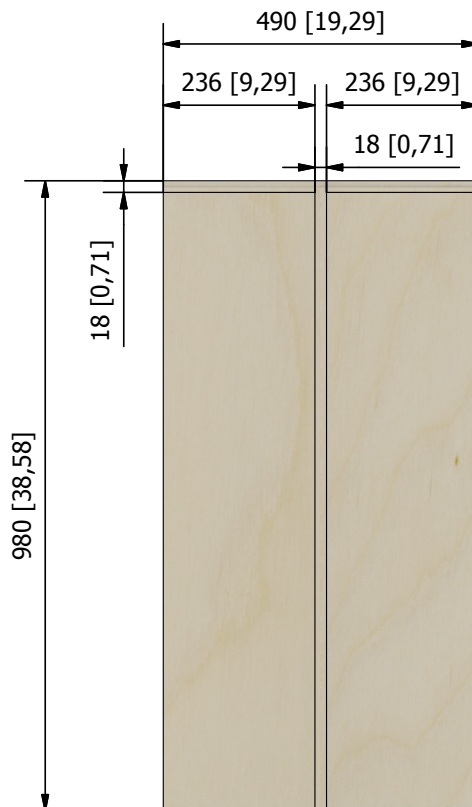
BASSLINE 118H

7 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 6 - BOTTOM PANEL



rev_B.a



SUGGESTED DESIGN

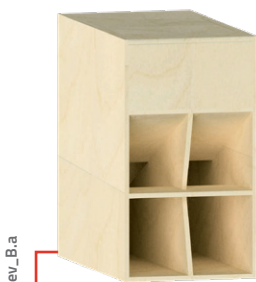
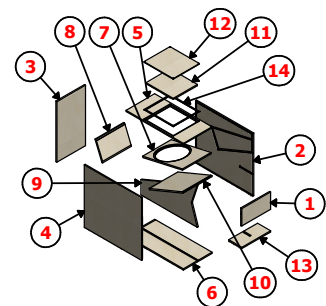
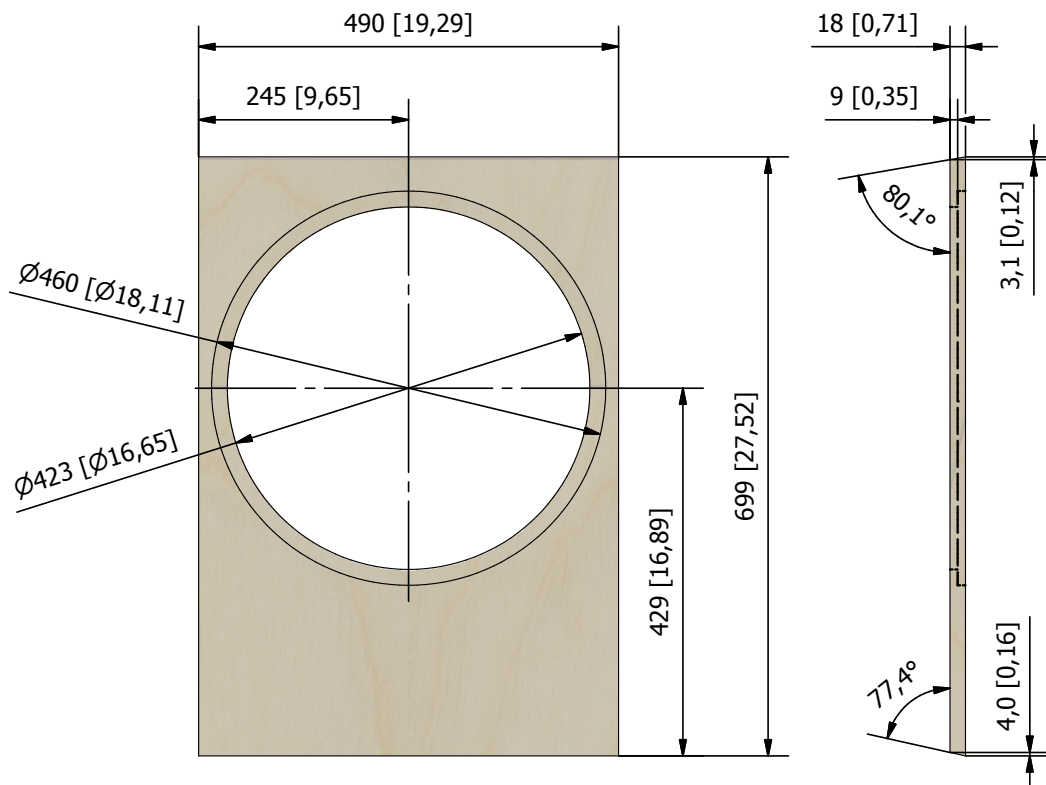
BASSLINE 118H

8 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 7 – SPEAKER BAFFLE



rev_B.a

SUGGESTED DESIGN

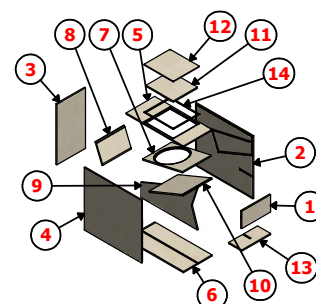
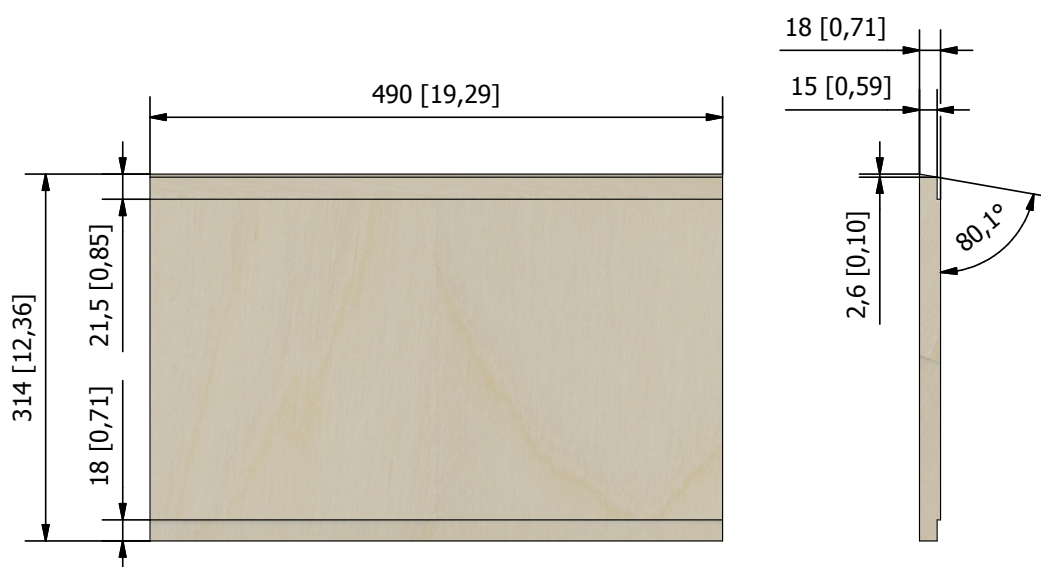
BASSLINE 118H

9 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 8 - BRACKET



rev_B.a



SUGGESTED DESIGN

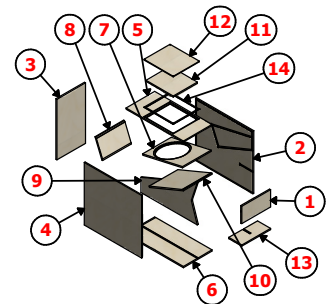
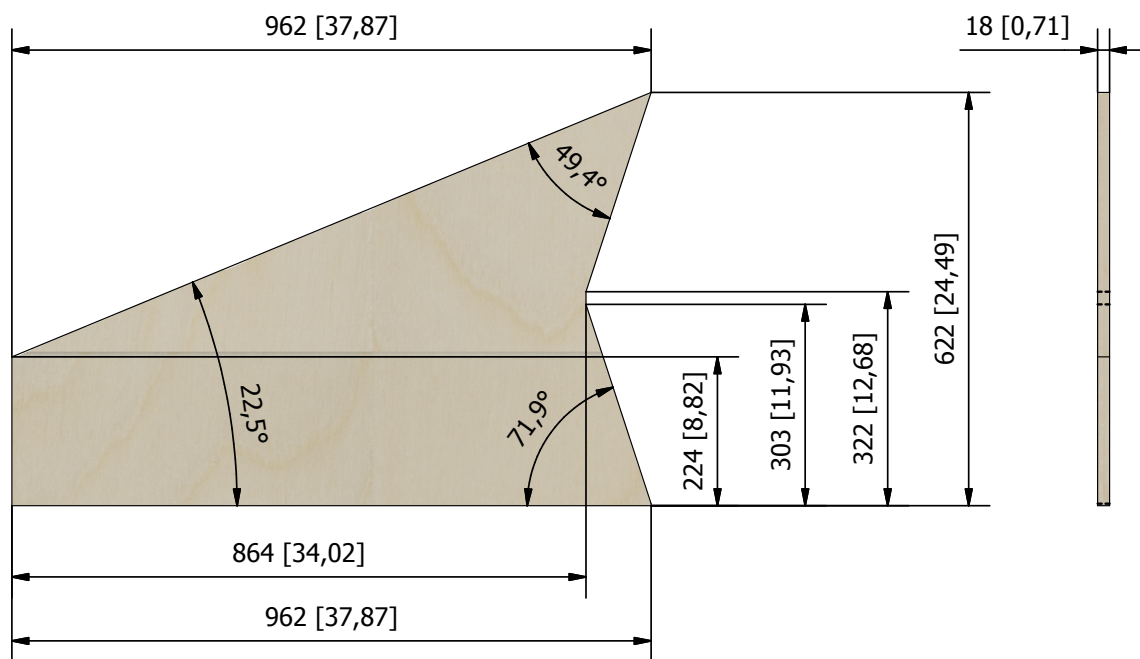
BASSLINE 118H

10 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 9 – VERTICAL DUCT



rev_B.a



SUGGESTED DESIGN

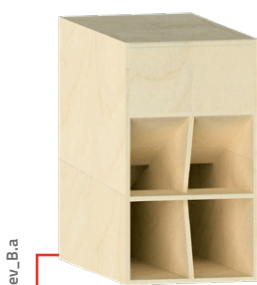
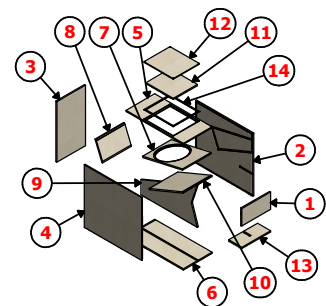
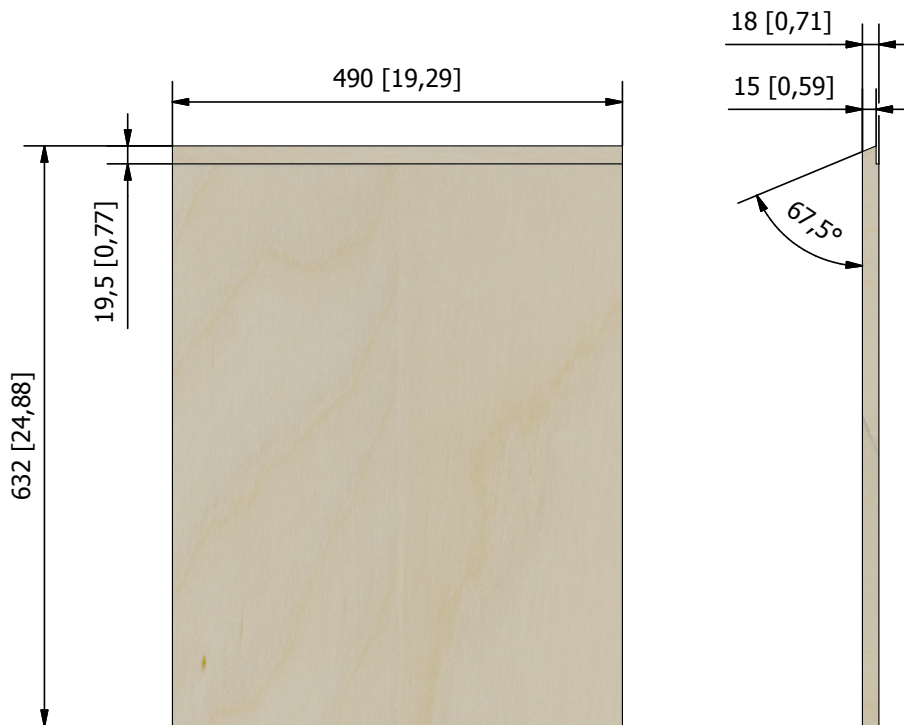
BASSLINE 118H

11 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 10 – HORIZONTAL DUCT A



rev_B.a

SUGGESTED DESIGN

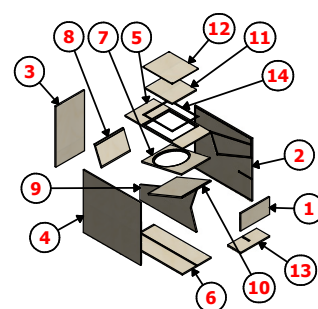
BASSLINE 118H

12 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 11 - HATCH PANEL A



rev_B.a



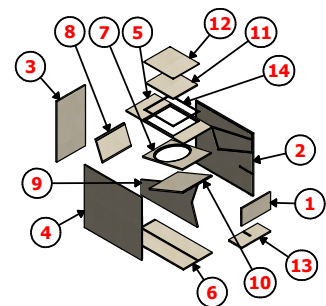
SUGGESTED DESIGN

BASSLINE 118H

13 / 22

ITEM 12 – HATCH PANEL B

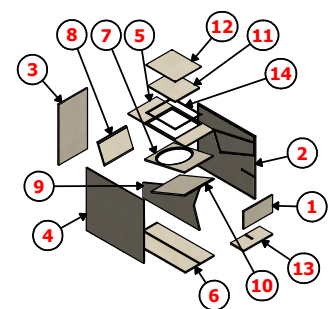
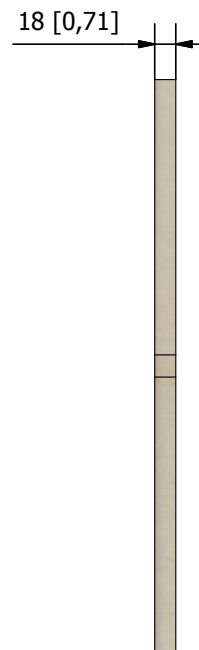
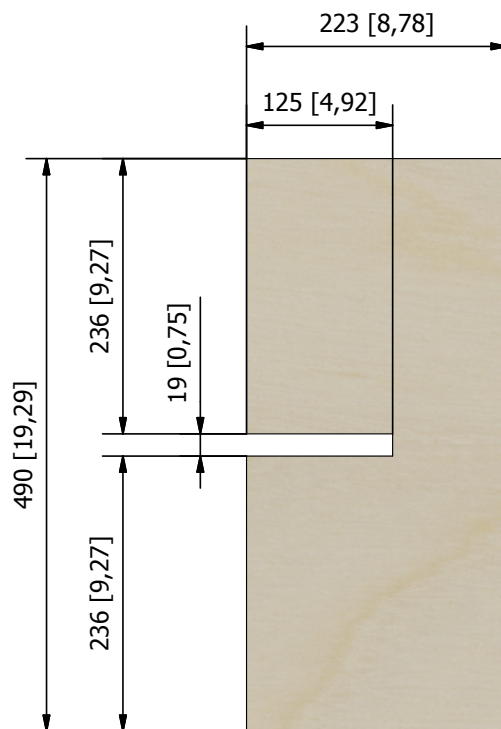
Lavoce



CABINET CONSTRUCTION

Lavoce

ITEM 13 - HORIZONTAL DUCT B



rev_B.a



SUGGESTED DESIGN

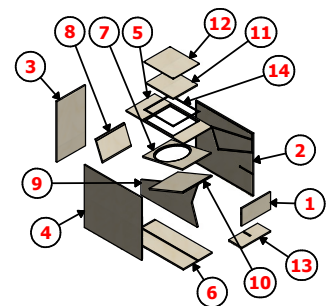
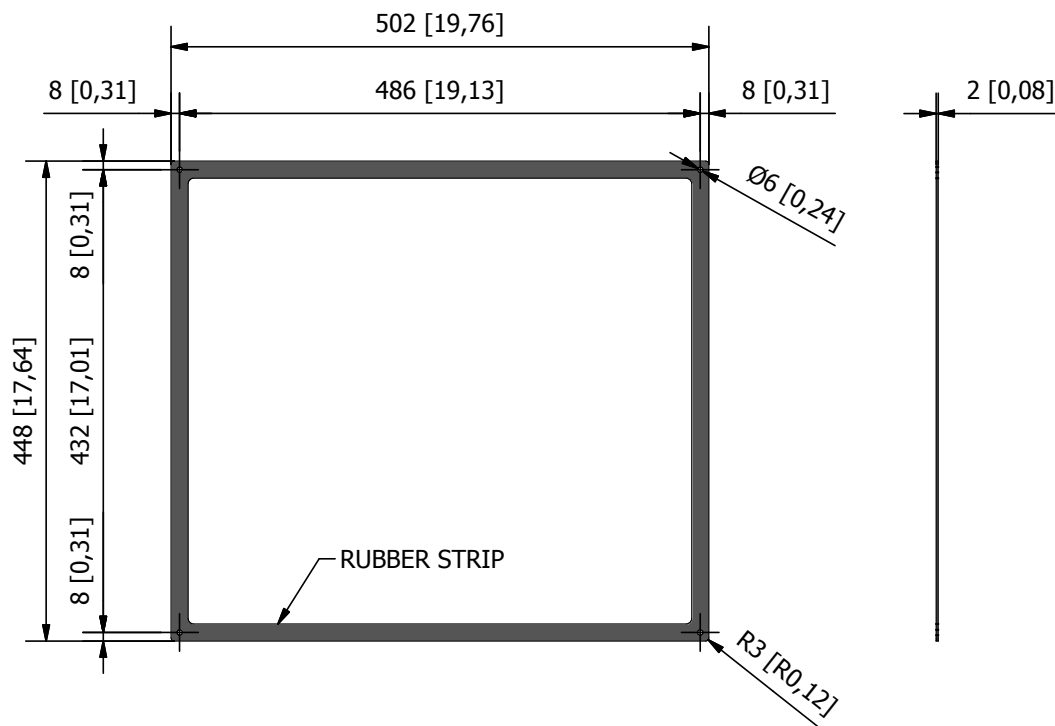
BASSLINE 118H

15 / 22

CABINET CONSTRUCTION

Lavoce

ITEM 14 - GASKET



rev_B.a



SUGGESTED DESIGN

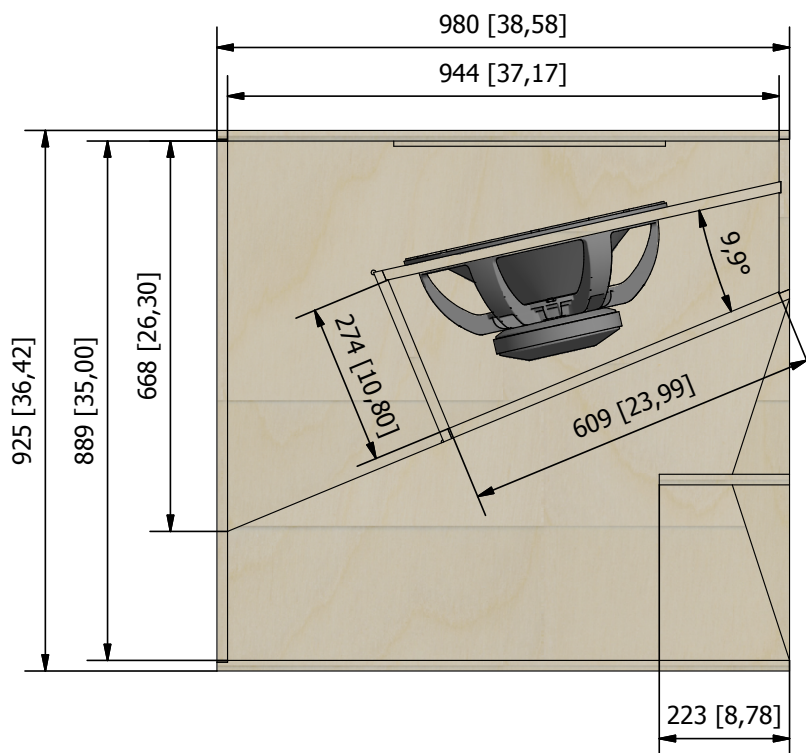
BASSLINE 118H

16 / 22

CABINET CONSTRUCTION

Lavoce

SIDE SECTION VIEW



rev_B.a



SUGGESTED DESIGN

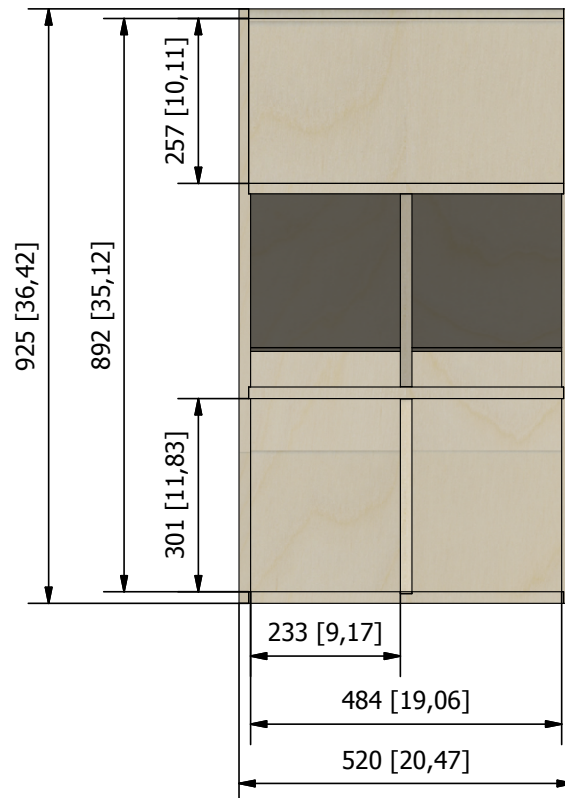
BASSLINE 118H

17 / 22

CABINET CONSTRUCTION

Lavoce

FRONT SECTION VIEW



rev_B.a



SUGGESTED DESIGN

BASSLINE 118H

18 / 22

PERFORMANCE

Lavoce

SUBWOOFER OPTION 'A'

BASSLINE 118H CABINET EQUIPPED WITH:

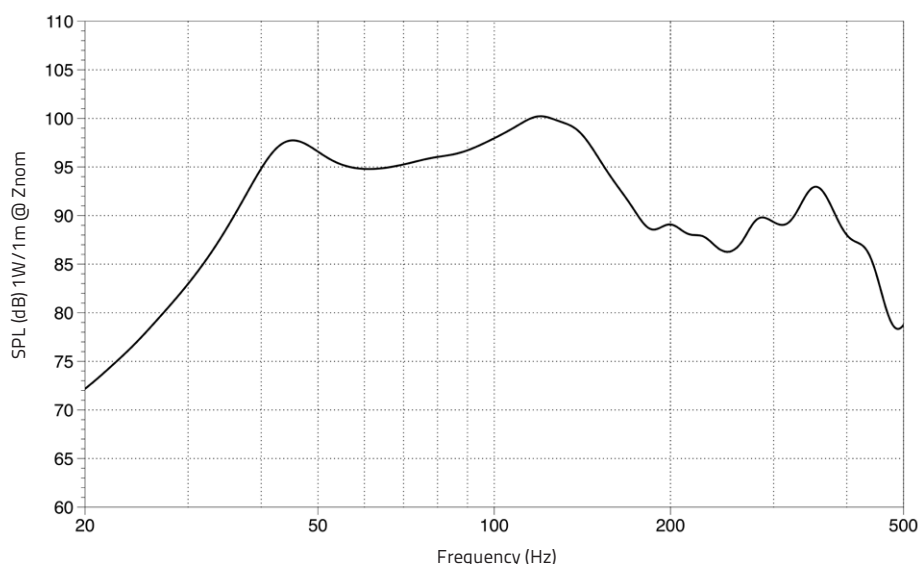


SAF184.02

FERRITE MAGNET

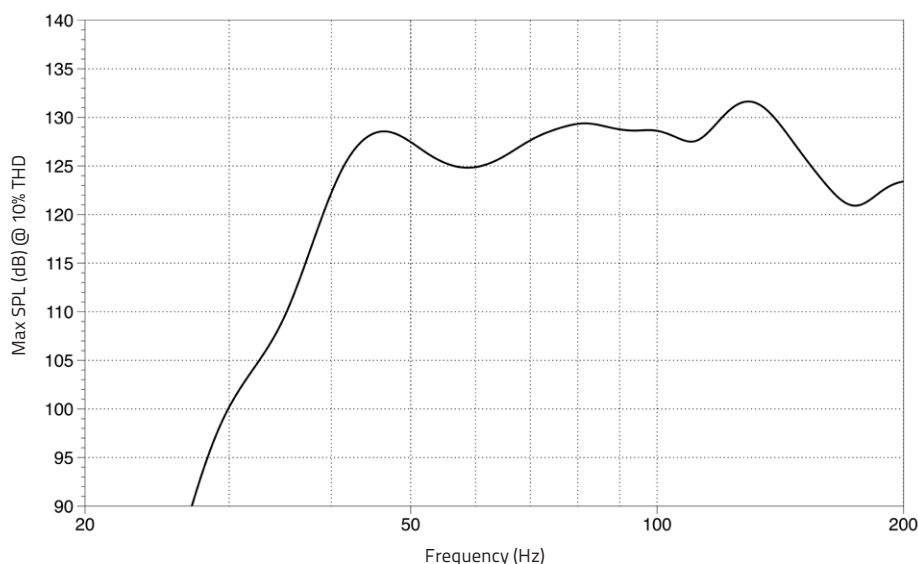
1200 W AES

FREQUENCY RESPONSE

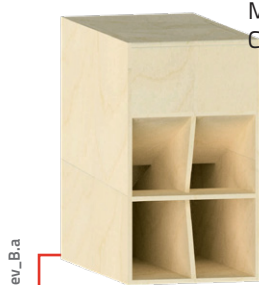


Measurement hardware: Four Audio ROBO3 with WinMF software;
Smoothing: 1/6 oct.

MAX SPL



Measurement hardware: Four Audio ROBO3 with WinMF software;
Crown IT12000 amplifier.



SUGGESTED DESIGN

BASSLINE 118H

19 / 22

All measurements in class 1 semi-anechoic chamber using ground plane technique, with microphone placed on-axis at 4m distance; measurements are then normalized to 1m in free-field condition.

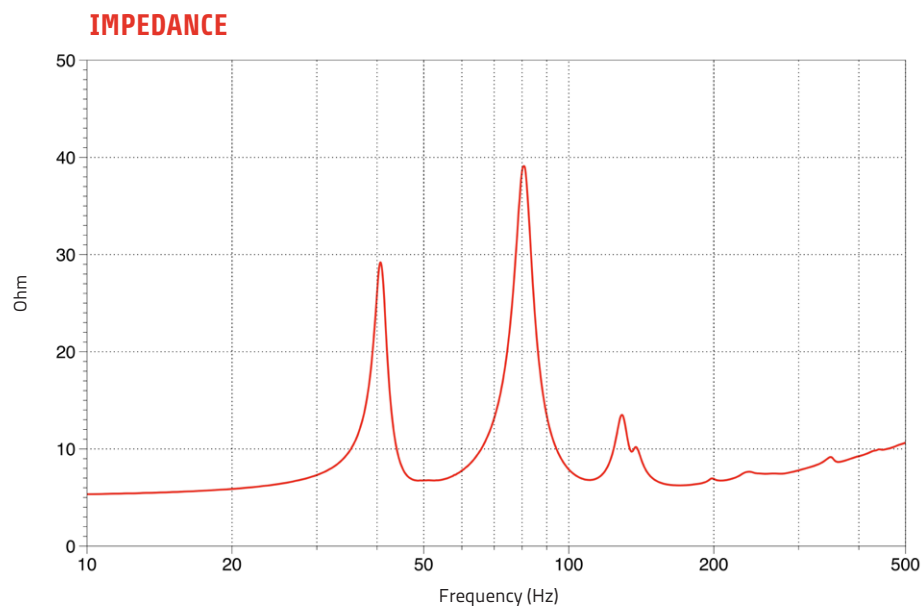
PERFORMANCE

Lavoce

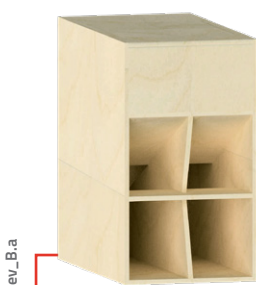
SUBWOOFER OPTION 'A'
BASSLINE 118H CABINET EQUIPPED WITH:



SAF184.02
FERRITE MAGNET
1200 W AES



Measurement hardware: Four Audio ROBO3 with WinMF software.
Smoothing: 1/6 oct.



SUGGESTED DESIGN

BASSLINE 118H

20 / 22

PERFORMANCE

Lavoce

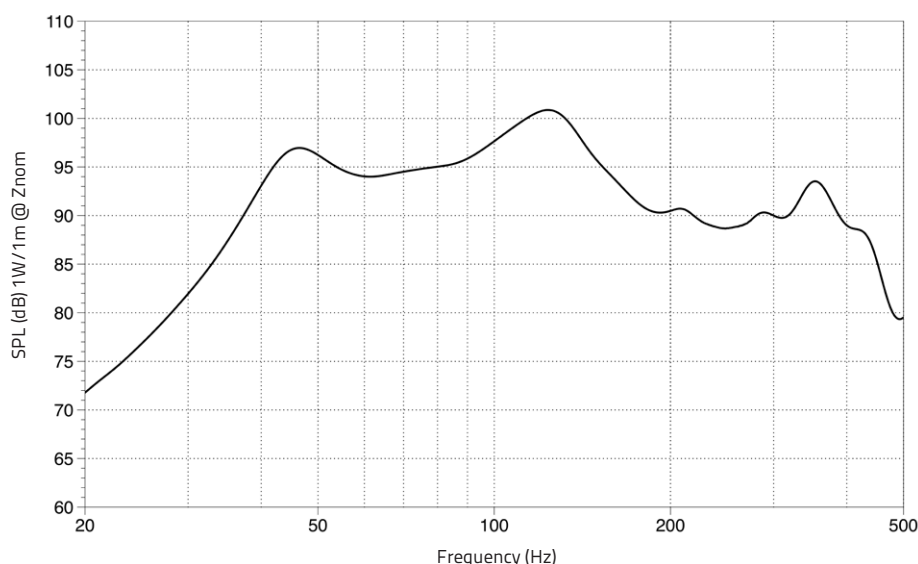
SUBWOOFER OPTION 'B'

BASSLINE 118H CABINET EQUIPPED WITH:



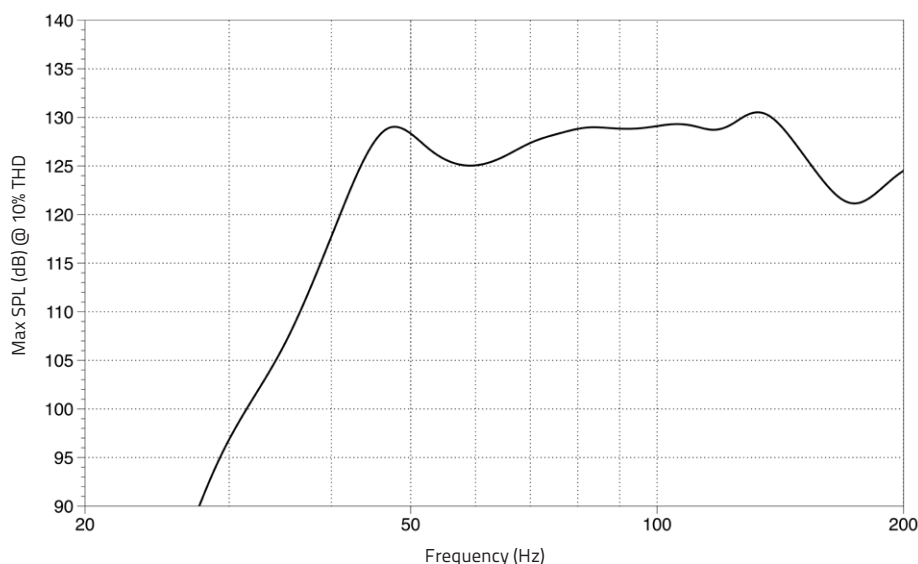
SAN184.02
NEODYMIUM MAGNET
1200 W AES

FREQUENCY RESPONSE



Measurement hardware: Four Audio ROBO3 with WinMF software;
Smoothing: 1/6 oct.

MAX SPL



Measurement hardware: Four Audio ROBO3 with WinMF software;
Crown IT12000 amplifier.



rev_B.a

SUGGESTED DESIGN

BASSLINE 118H

21 / 22

All measurements in class 1 semi-anechoic chamber using ground plane technique, with microphone placed on-axis at 4m distance; measurements are then normalized to 1m in free-field condition.

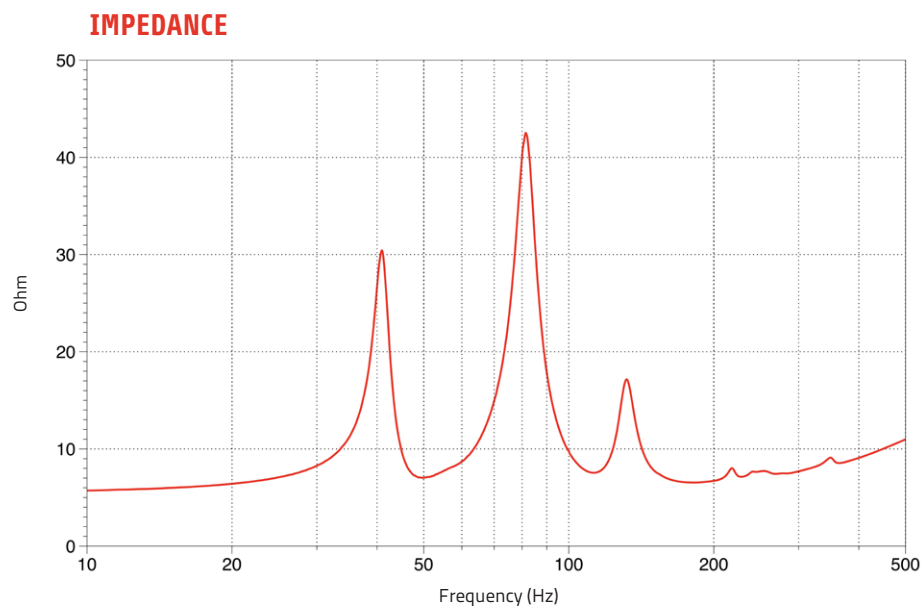
PERFORMANCE

Lavoce

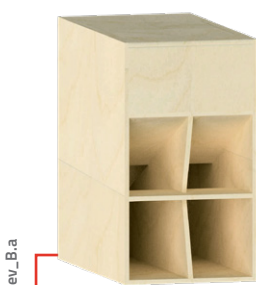
SUBWOOFER OPTION 'B'
BASSLINE 118H CABINET EQUIPPED WITH:



SAN184.02
NEODYMIUM MAGNET
1200 W AES



Measurement hardware: Four Audio ROBO3 with WinMF software.
Smoothing: 1/6 oct.



rev_B.a

SUGGESTED DESIGN

BASSLINE 118H

22 / 22

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INNOVATORS
BY TRADITION



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I T A L I A N A



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Sales office - China - T +86 573 8910 5856 - M +86 186 2181 7905 - F +86 573 8910 5859 - sales.cn@lavocespeakers.com
info@lavocespeakers.com