

Lavoce



SUGGESTED DESIGN

BASSLINE 118R 1 x 18" BASS REFLEX

SUBWOOFER OPTION 'A'



SAF184.04
1500 W AES

SUBWOOFER OPTION 'B'



SAN184.03
1500 W AES

SUBWOOFER OPTION 'C'



SAF184.02
1200 W AES

SUBWOOFER OPTION 'D'



SAN184.02
1200 W AES

WWW.LAVOCESPEAKERS.COM



Lavoce Italiana

support@lavocespeakers.com

CABINET CONSTRUCTION

Lavoce

OVERVIEW



- NET CABINET VOLUME l (ft³): 205,8 (7.3)
- 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

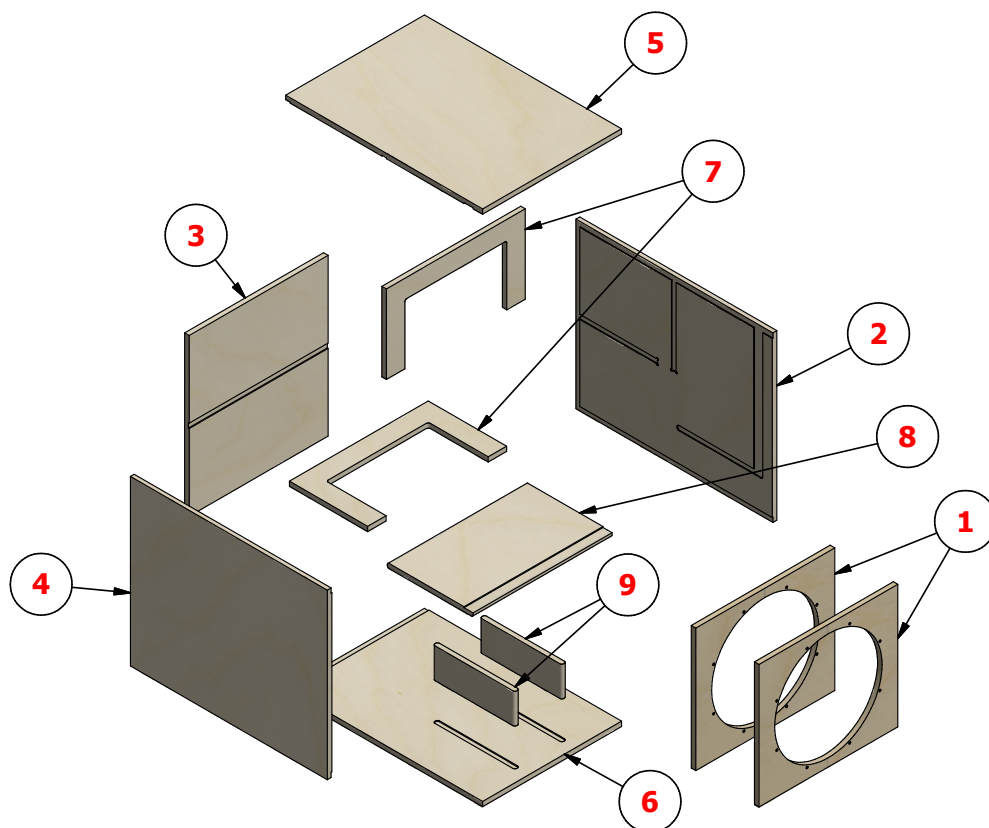
BASSLINE 118R

1 / 21

CABINET CONSTRUCTION

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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	2	FRONT BAFFLE	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	2	BRACKET	9
8	1	HORIZONTAL DUCT	10
9	2	VERTICAL DUCT	11



rev_B.a

SUGGESTED DESIGN

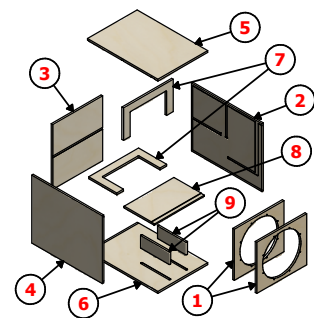
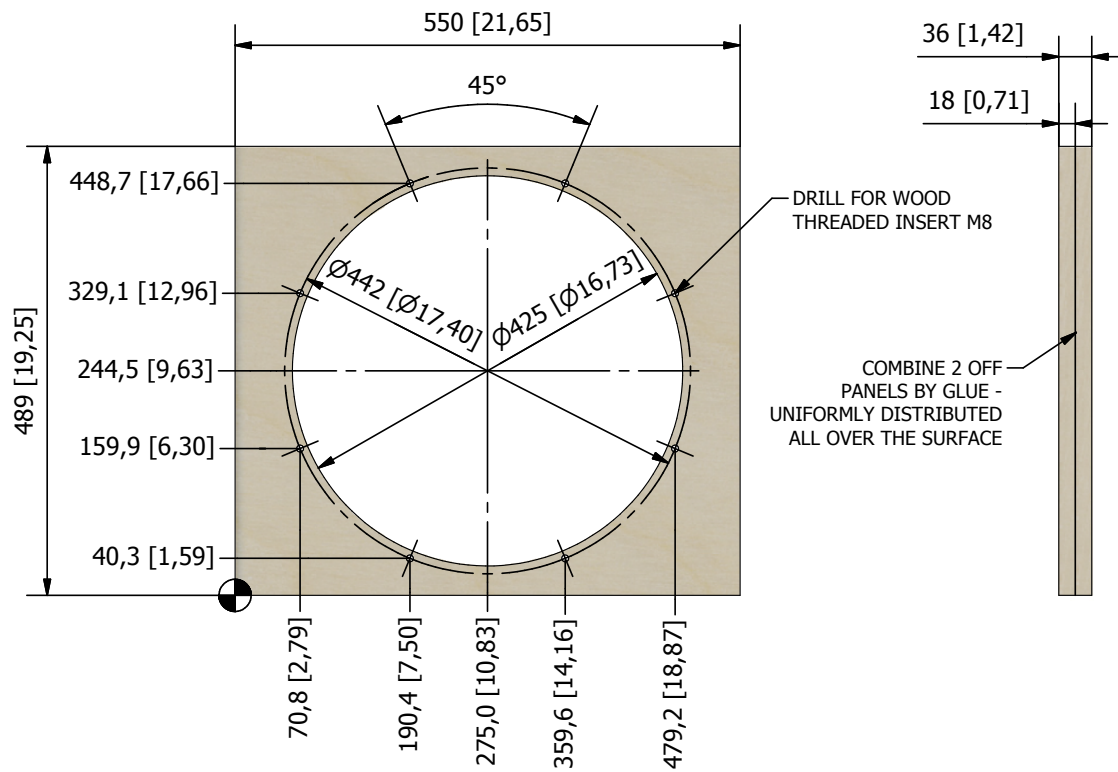
BASSLINE 118R

2 / 21

CABINET CONSTRUCTION

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ITEM 1 - FRONT Baffle



rev_B.a

SUGGESTED DESIGN

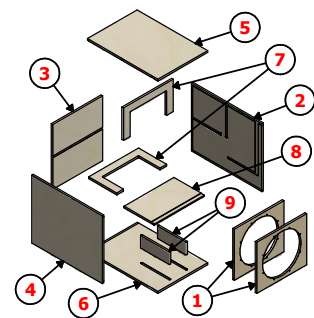
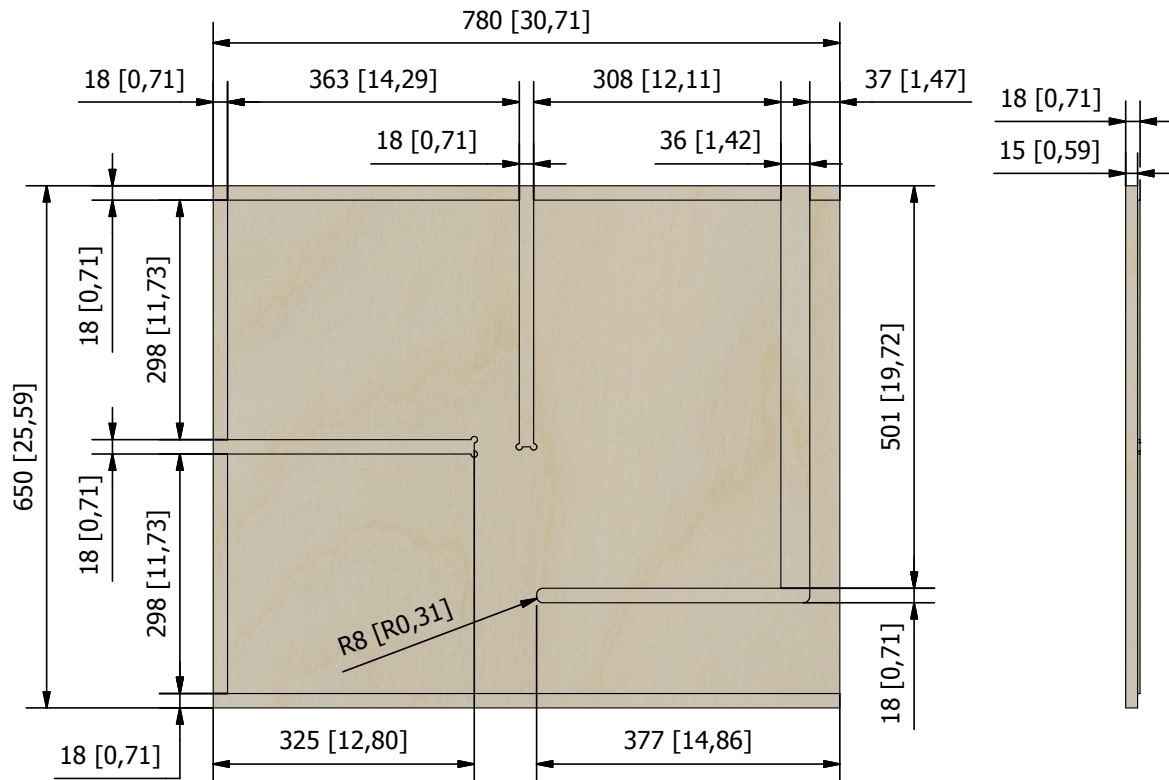
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3 / 21

CABINET CONSTRUCTION

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ITEM 2 - SIDE PANEL - RIGHT



rev_B.a

SUGGESTED DESIGN

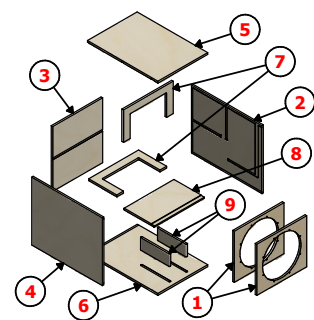
BASSLINE 118R

4 / 21

CABINET CONSTRUCTION

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ITEM 3 - BACK PANEL



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SUGGESTED DESIGN

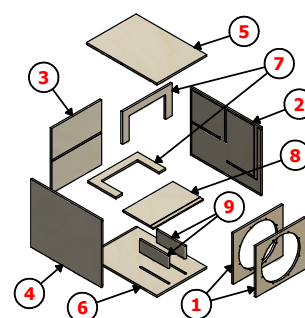
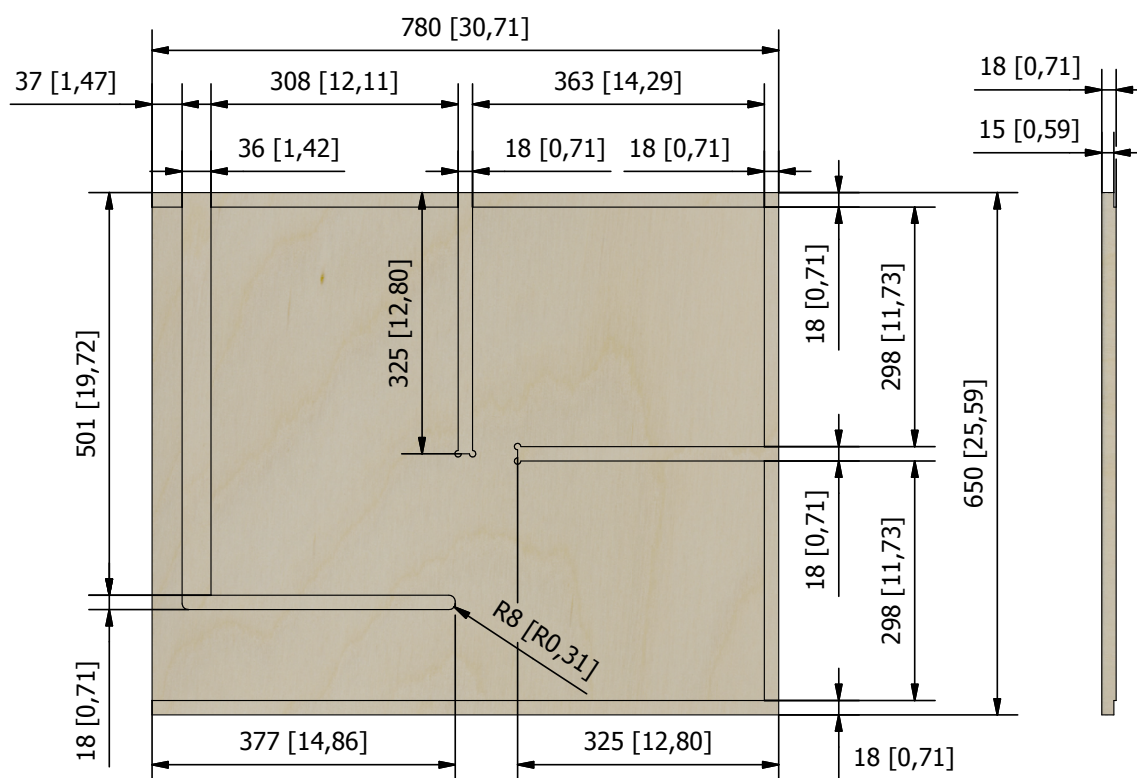
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5 / 21

CABINET CONSTRUCTION

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ITEM 4 - SIDE PANEL - LEFT



rev_B.a

SUGGESTED DESIGN

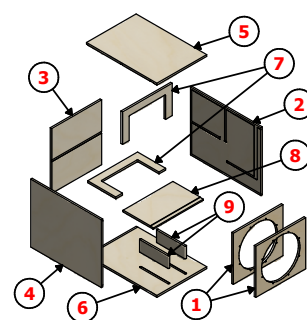
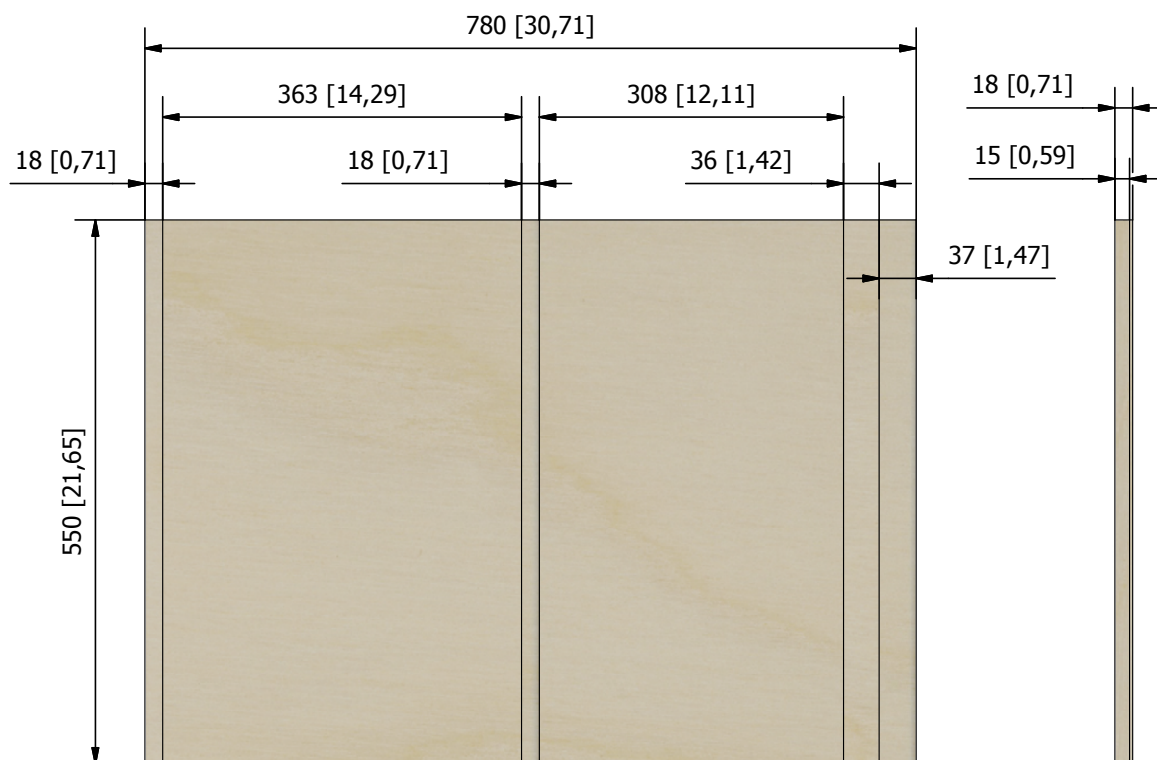
BASSLINE 118R

6 / 21

CABINET CONSTRUCTION

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ITEM 5 - TOP PANEL



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SUGGESTED DESIGN

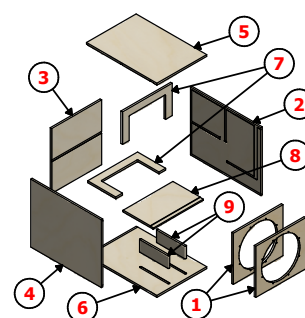
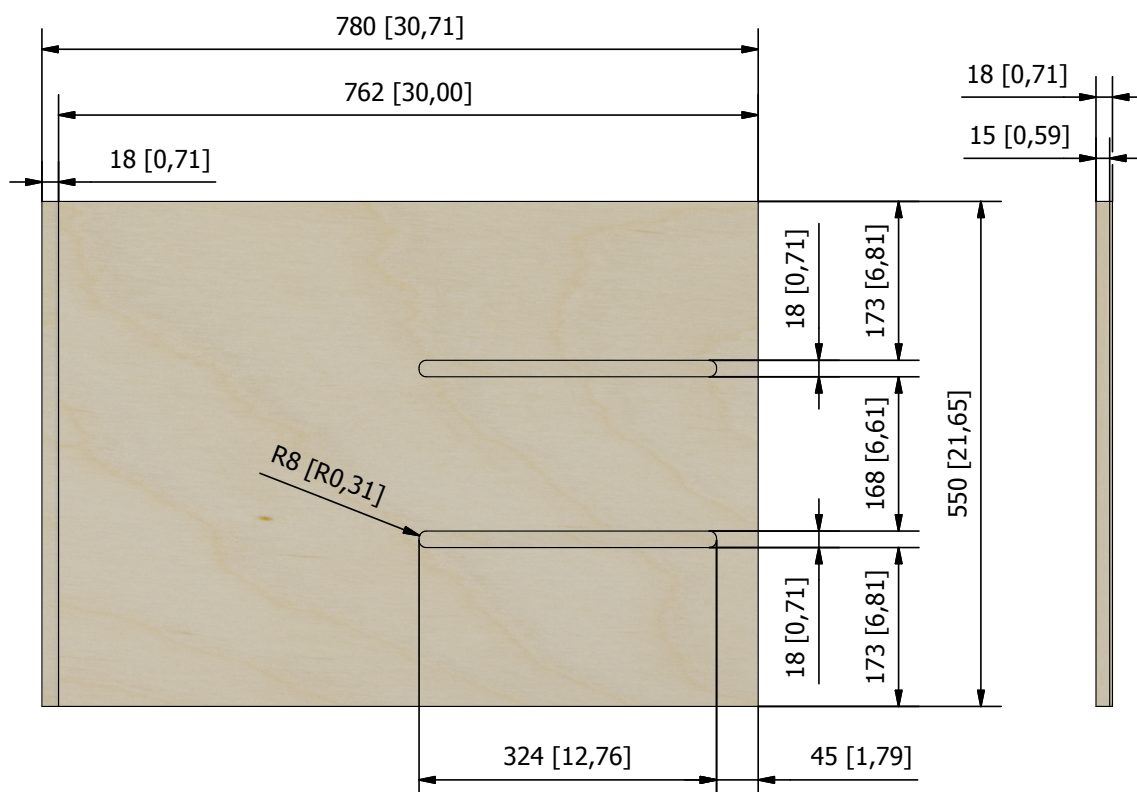
BASSLINE 118R

7 / 21

CABINET CONSTRUCTION

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ITEM 6 - BOTTOM PANEL



rev_B.a

SUGGESTED DESIGN

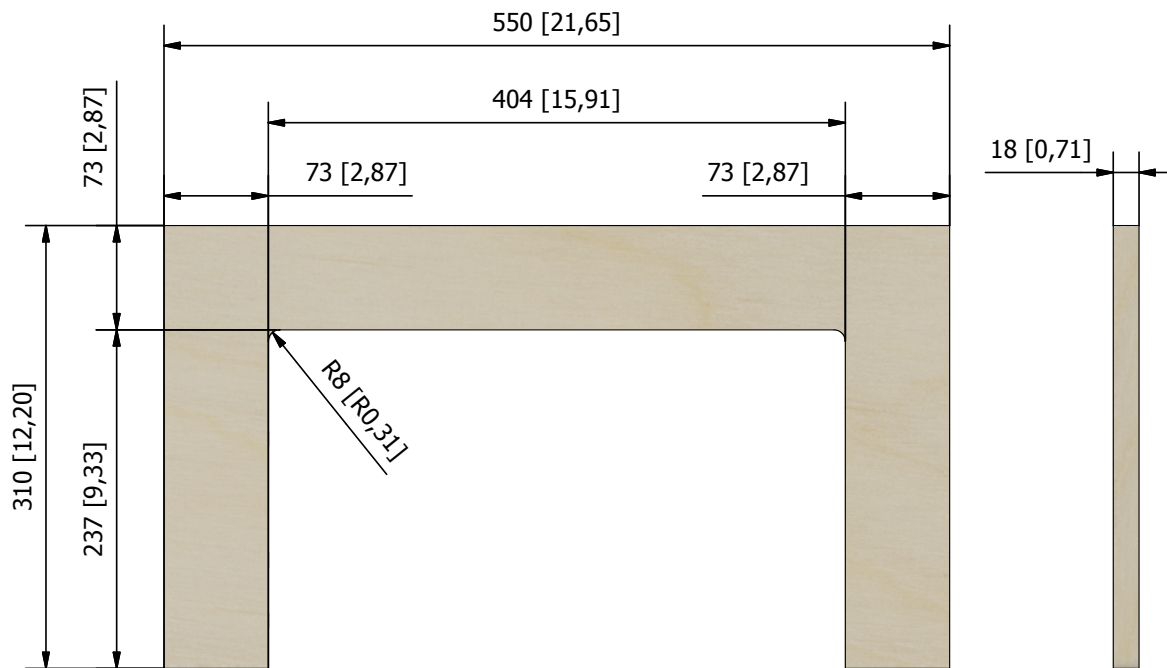
BASSLINE 118R

8 / 21

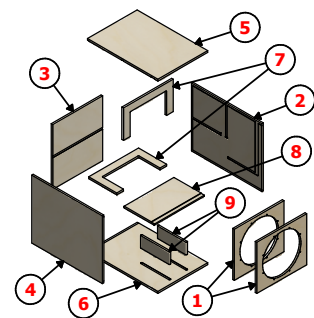
CABINET CONSTRUCTION

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ITEM 7 - BRACKET



QTY: 2 OFF



rev_B.a

SUGGESTED DESIGN

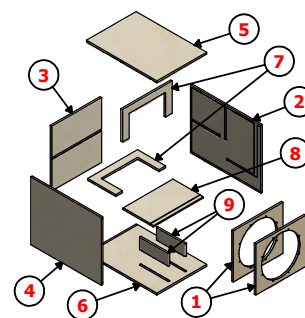
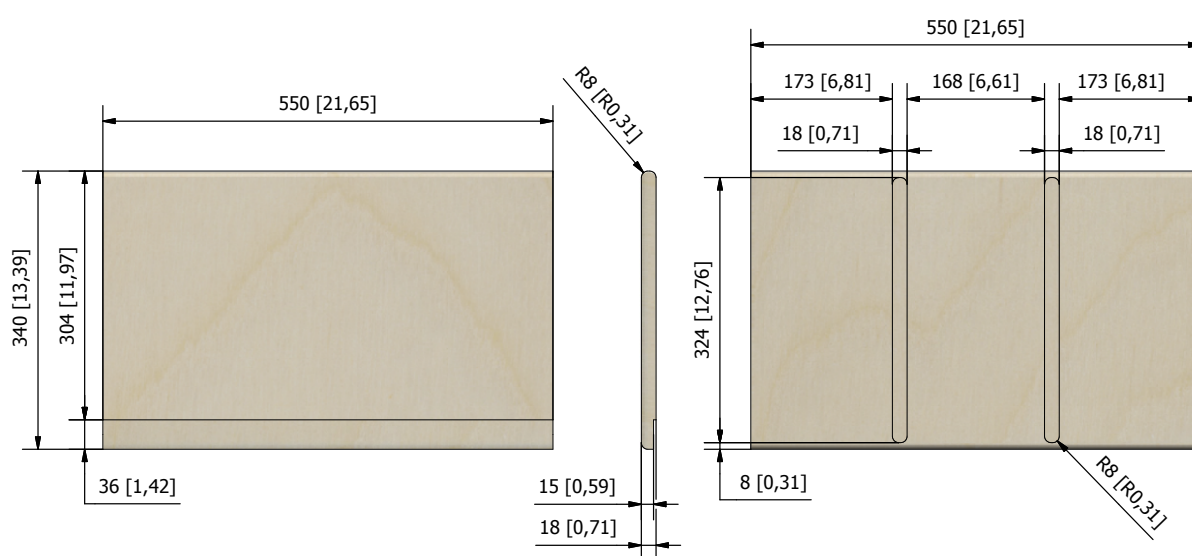
BASSLINE 118R

9 / 21

CABINET CONSTRUCTION

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ITEM 8 - HORIZONTAL DUCT



rev_B.a



SUGGESTED DESIGN

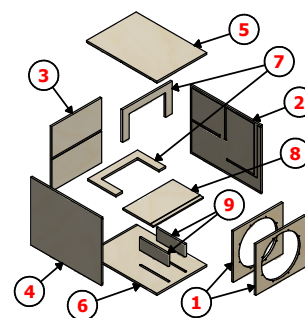
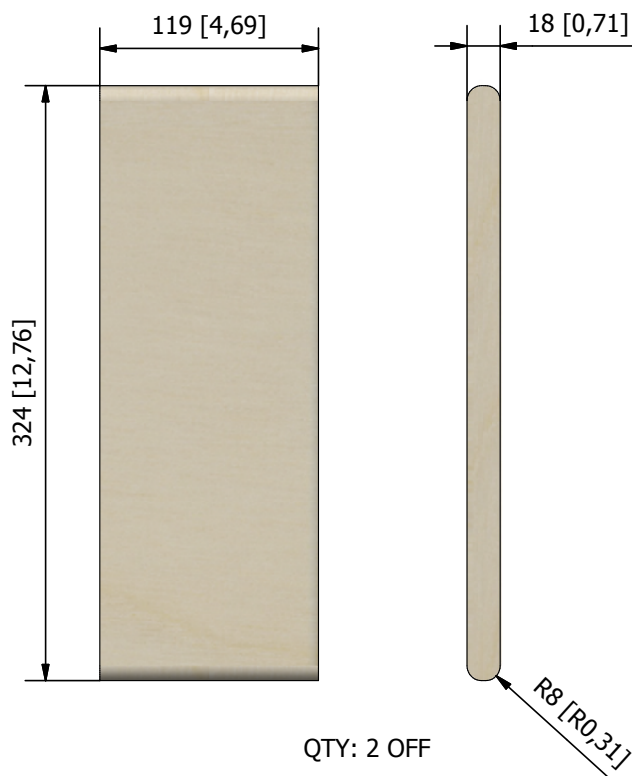
BASSLINE 118R

10 / 21

CABINET CONSTRUCTION

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ITEM 9 - VERTICAL DUCT



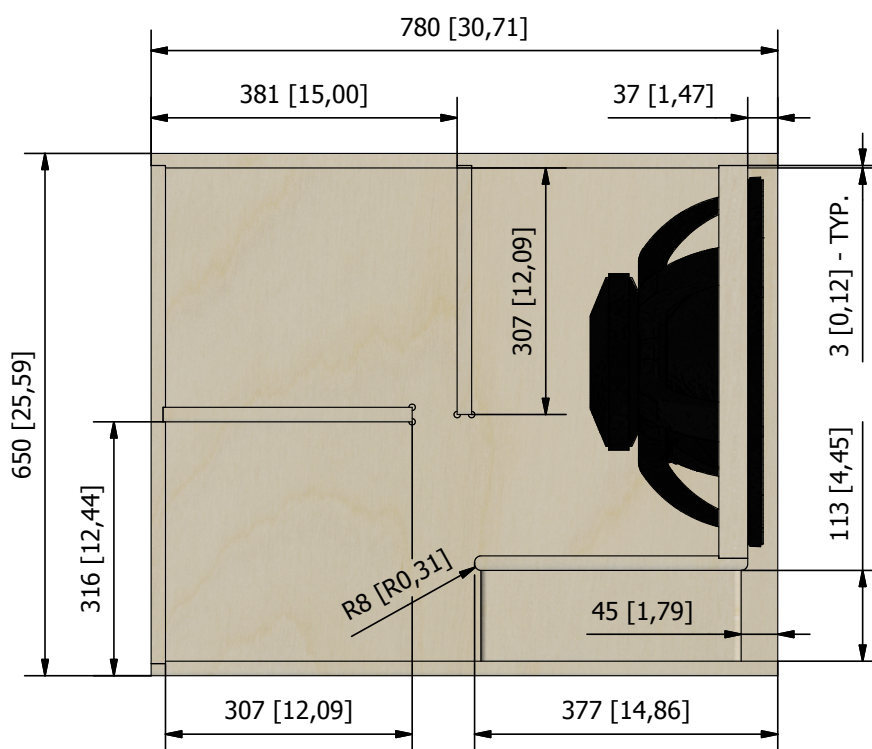
SUGGESTED DESIGN

BASSLINE 118R

11 / 21

CABINET CONSTRUCTION

SIDE SECTION VIEW



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SUGGESTED DESIGN

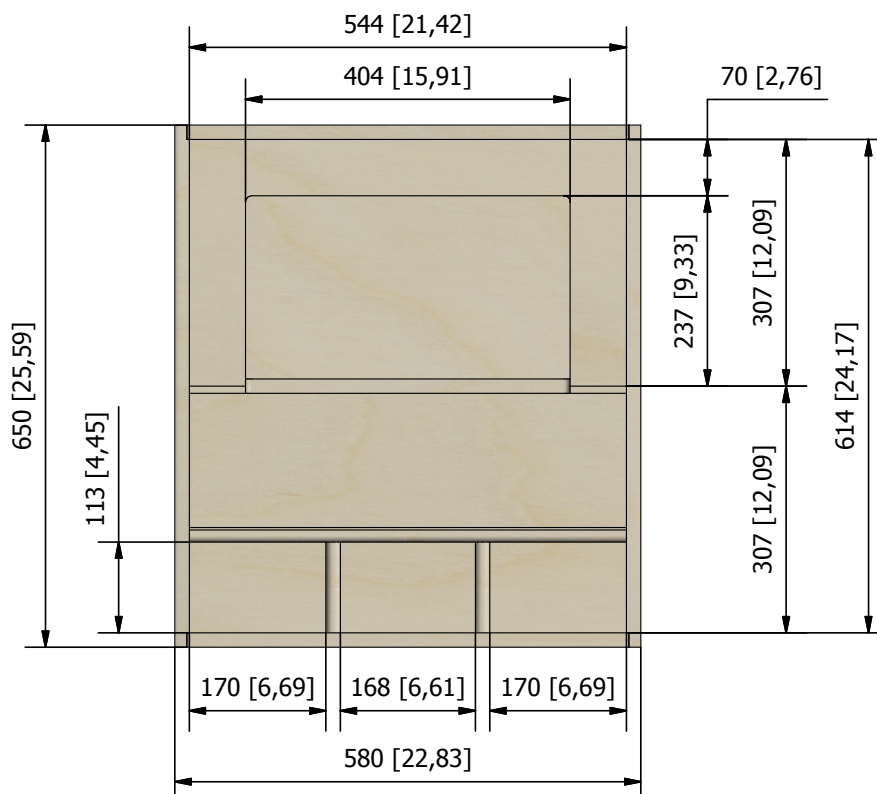
BASSLINE 118R

12 / 21

CABINET CONSTRUCTION

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FRONT SECTION VIEW



rev_B.a

SUGGESTED DESIGN

BASSLINE 118R

13 / 21

PERFORMANCE

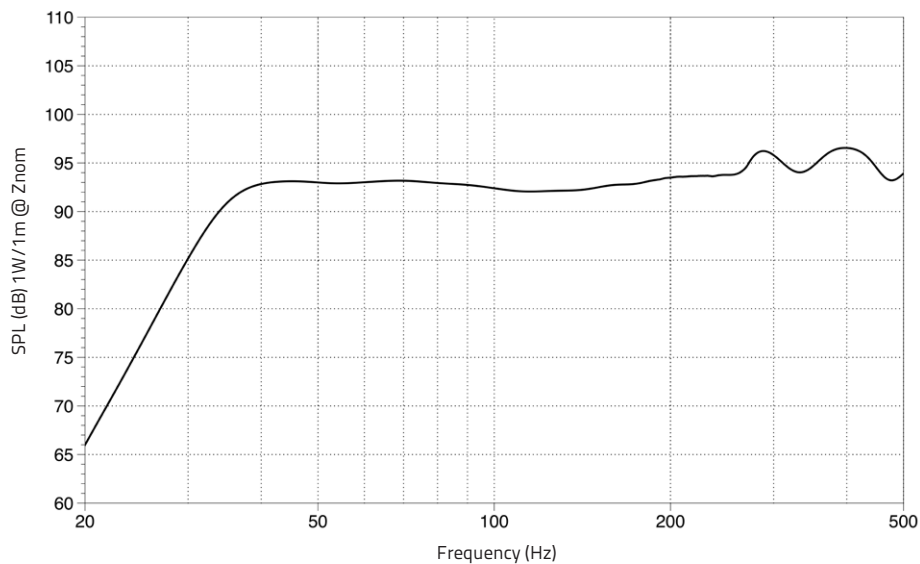
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SUBWOOFER OPTION 'A'
BASSLINE 118R CABINET EQUIPPED WITH:



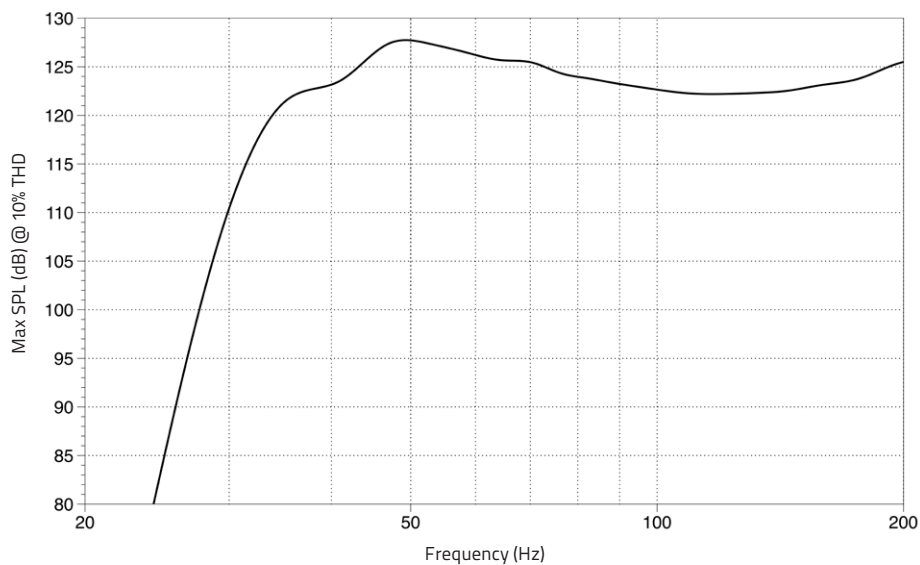
SAF184.04
FERRITE MAGNET
1500 W AES

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 118R

14 / 21

rev_B.a

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.

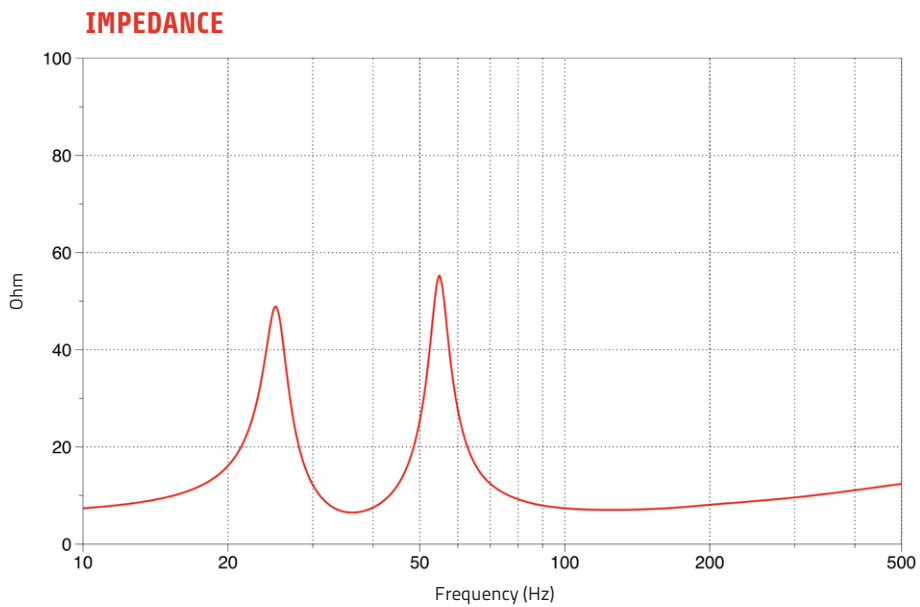
PERFORMANCE

Lavoce

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



SAF184.04
FERRITE MAGNET
1500 W AES



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



rev_B.a

SUGGESTED DESIGN

BASSLINE 118R

15 / 21

PERFORMANCE

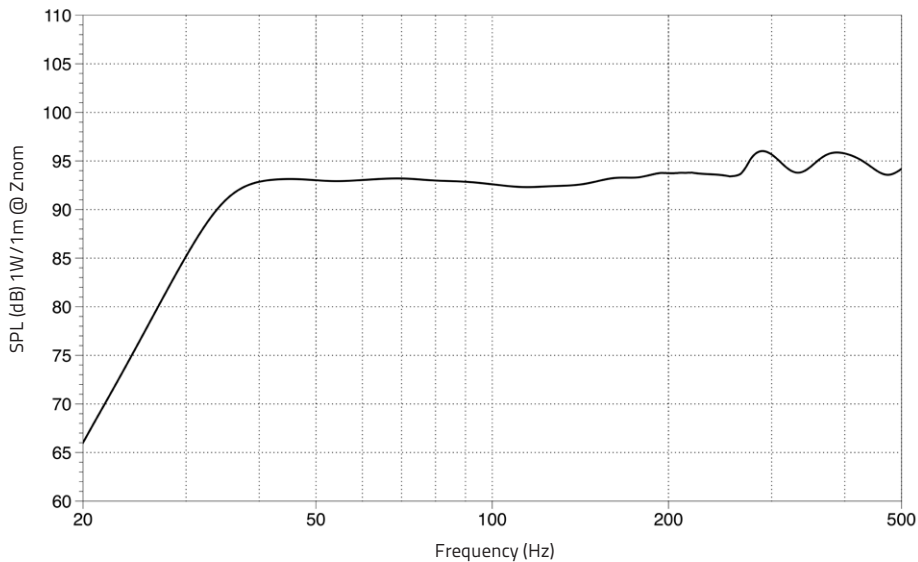
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SUBWOOFER OPTION 'B'
BASSLINE 118R CABINET EQUIPPED WITH:



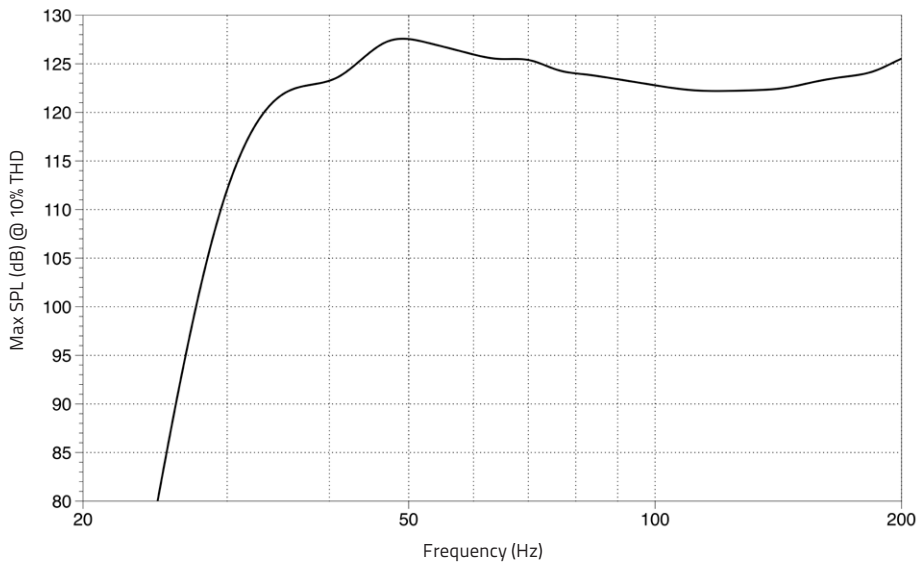
SAN184.03
NEODYMIUM MAGNET
1500 W AES

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 118R

16 / 21

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.

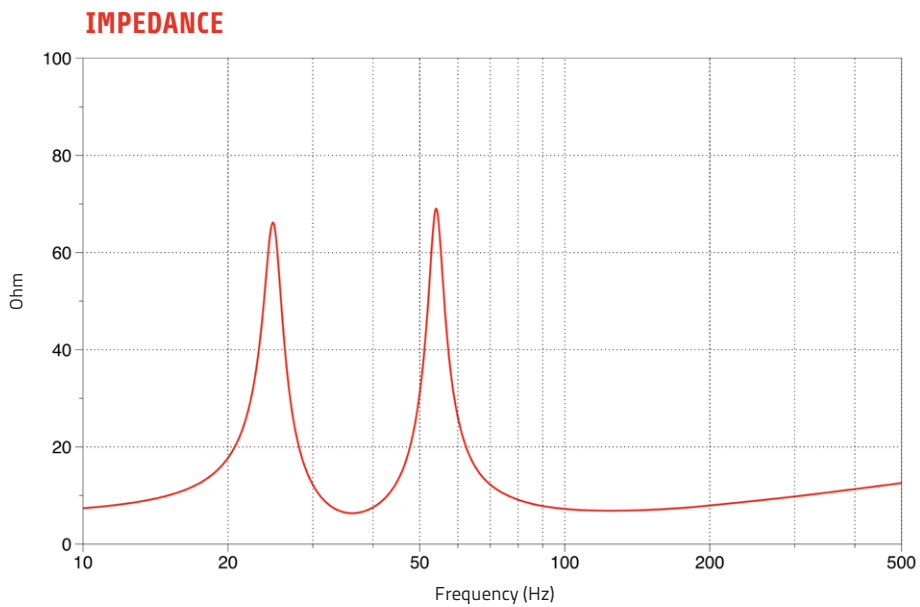
PERFORMANCE

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



SAN184.03
NEODYMIUM MAGNET
1500 W AES



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



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SUGGESTED DESIGN

BASSLINE 118R

17 / 21

PERFORMANCE

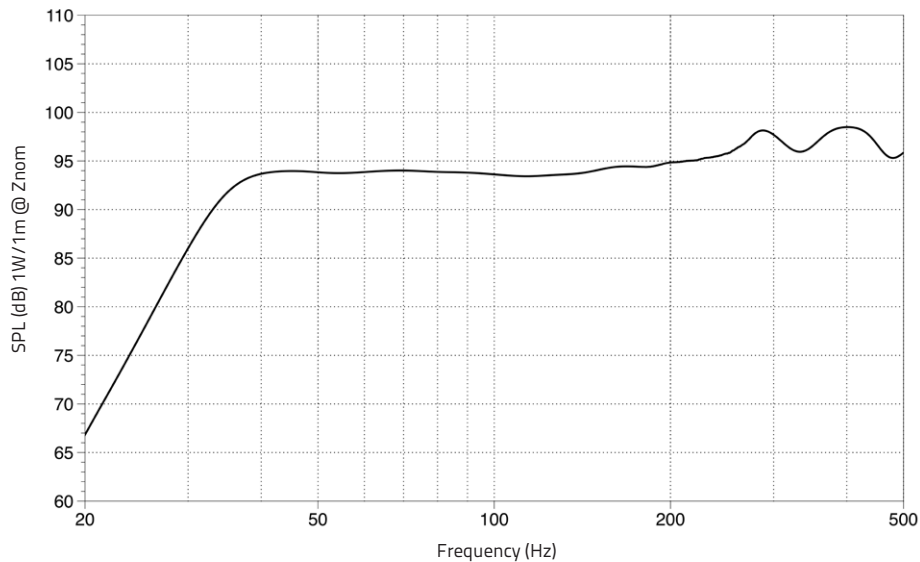
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SUBWOOFER OPTION 'C'
BASSLINE 118R CABINET EQUIPPED WITH:



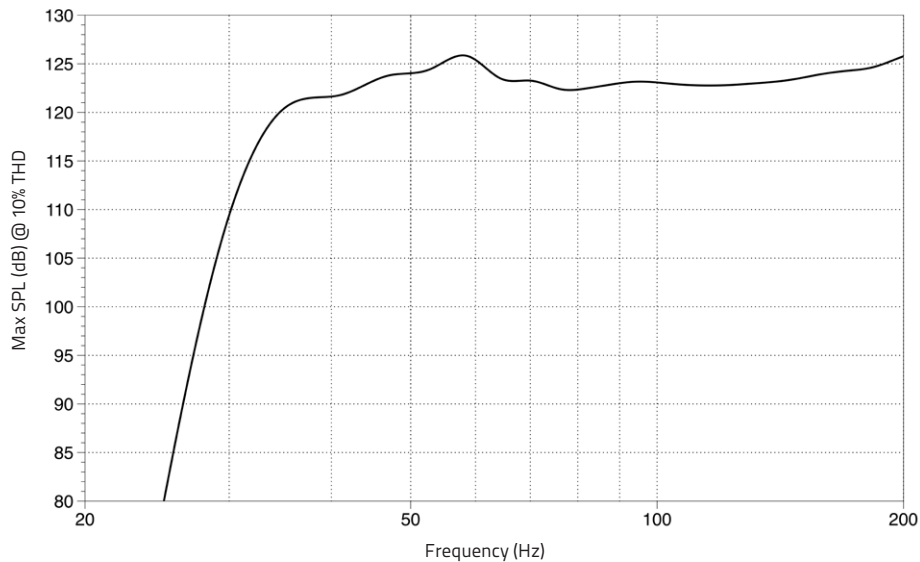
SAF184.02
FERRITE MAGNET
1200 W AES

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.



rev_B.a

SUGGESTED DESIGN

BASSLINE 118R

18 / 21

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.

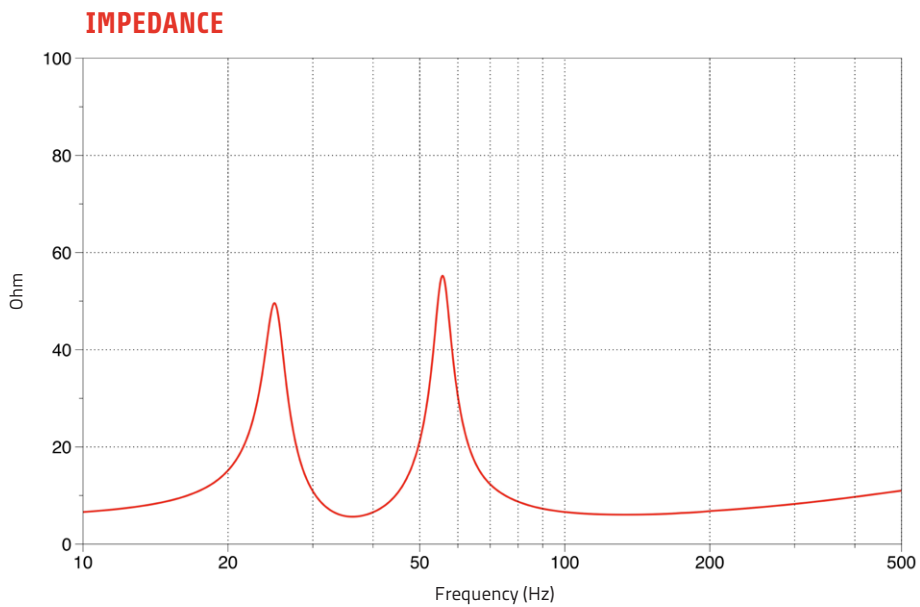
PERFORMANCE

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SUBWOOFER OPTION 'C'
BASSLINE 118R CABINET EQUIPPED WITH:



SAF184.02
FERRITE MAGNET
1200 W AES



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



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SUGGESTED DESIGN

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19 / 21

PERFORMANCE

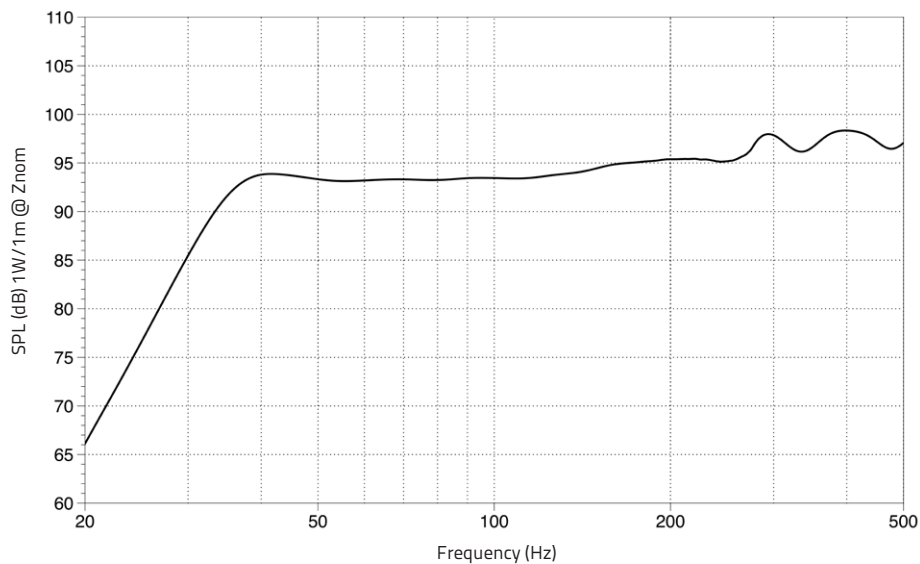
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SUBWOOFER OPTION 'D'
BASSLINE 118R CABINET EQUIPPED WITH:



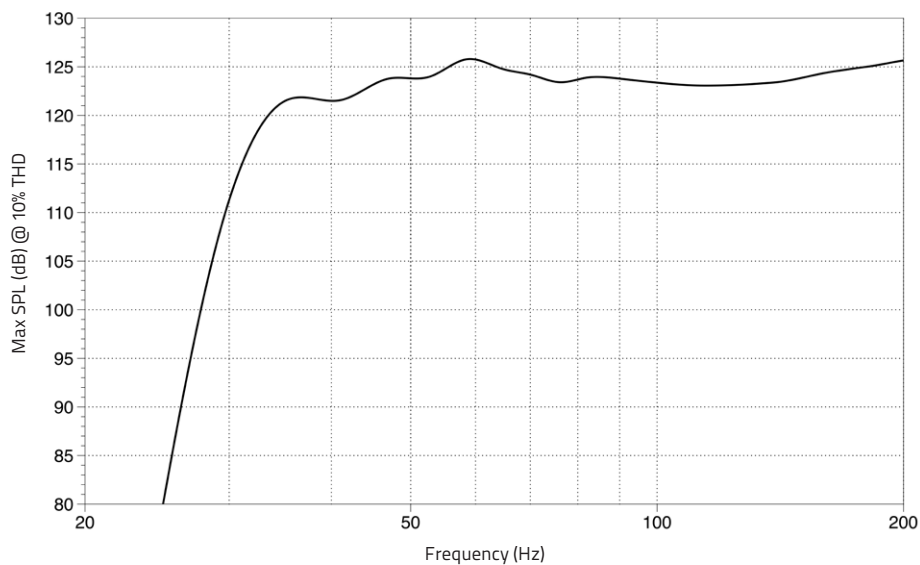
SAN184.02
NEODYMIUM MAGNET
1200 W AES

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.



SUGGESTED DESIGN

BASSLINE 118R

20 / 21

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.

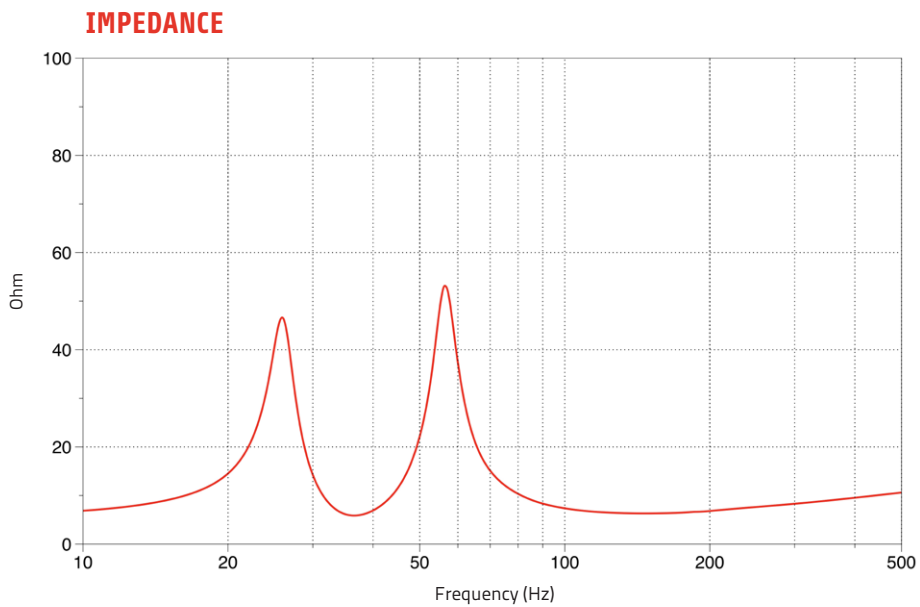
PERFORMANCE

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SUBWOOFER OPTION 'D'
BASSLINE 118R 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 118R

21 / 21

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INNOVATORS
BY TRADITION



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I T A L I A N A



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