Box Properties

--Description--
Name:
Type: Vented Box
Shape: Prism, square
--Box Parameters--

Vb =	569, liters
V(total) =	608,1 liters
Fb =	42,32 Hz
QL =	5,
F3 =	35,75 Hz
Fill =	minimal

--Vents--
No. of Vents = 1
Vent shape = rectangle
Vent ends = one flush

Hv =	599, mm
Wv =	200, mm
Lv =	70, mm

Driver Properties

--Description--
Name:
Type: Standard one-way driver
--Configuration--
No. of Drivers = 2
Mounting = Standard
Wiring = Parallel
Drivers sum coherently = Yes
--Mechanical Parameters--

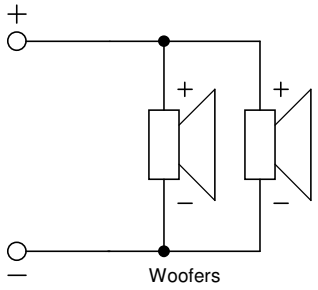
Fs =	34,6 Hz
Qms =	9,666
Vas =	219,3 liters [438,6]
Xmax =	15, mm
Sd =	1734 sq.cm [3468]

--Electrical Parameters--

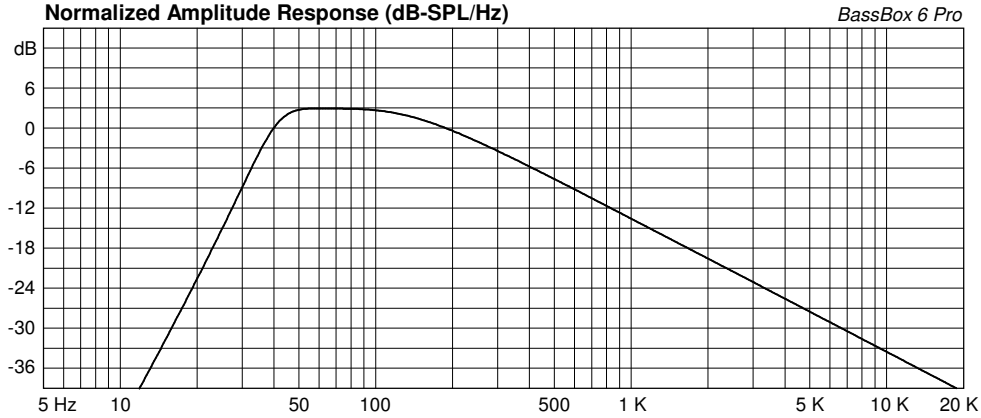
Qes =	0,479
Re =	4,1 ohms [2,05]
Le =	3,1 mH [1,55]
Z =	4, ohms [2,]
Pe =	1600 watts [3200]

--Electromech. Parameters--

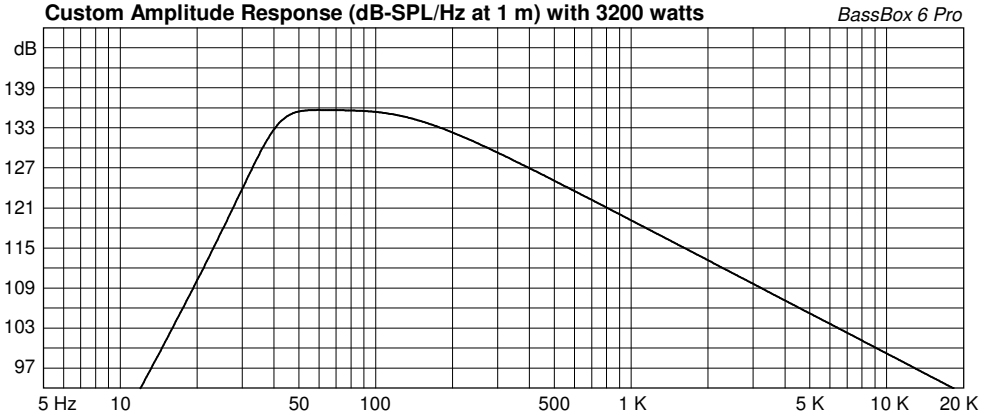
Wiring Diagram



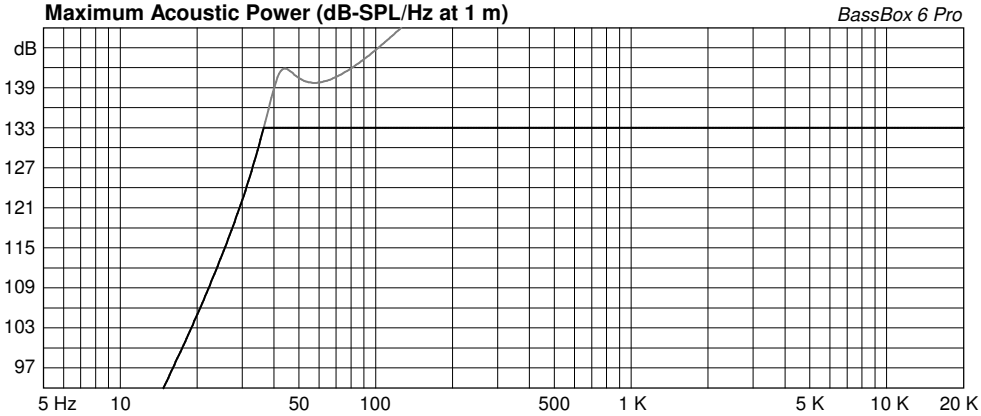
Normalized Amplitude Response (dB-SPL/Hz) *BassBox 6 Pro*



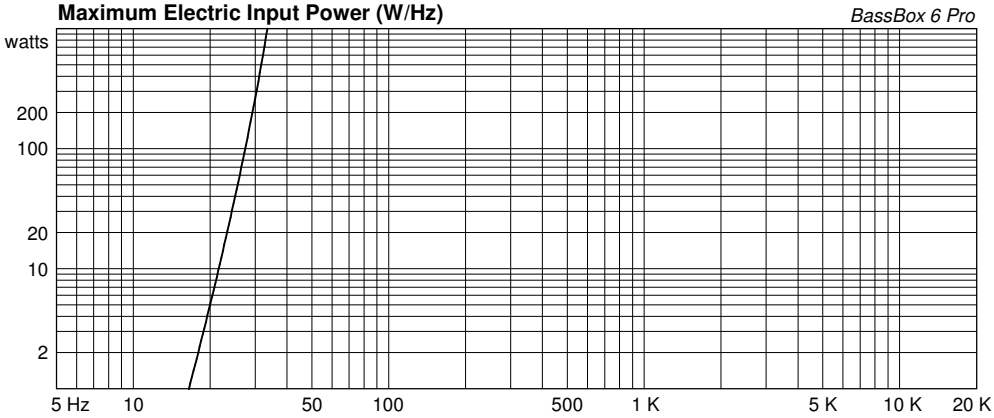
Custom Amplitude Response (dB-SPL/Hz at 1 m) with 3200 watts *BassBox 6 Pro*

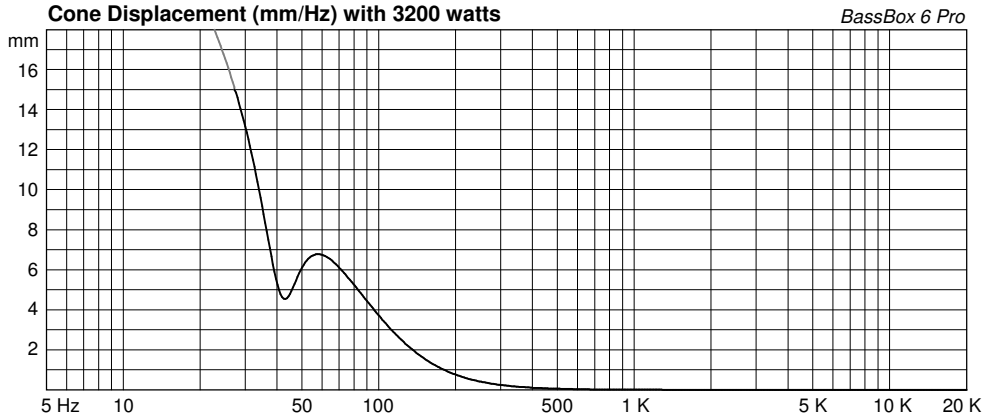


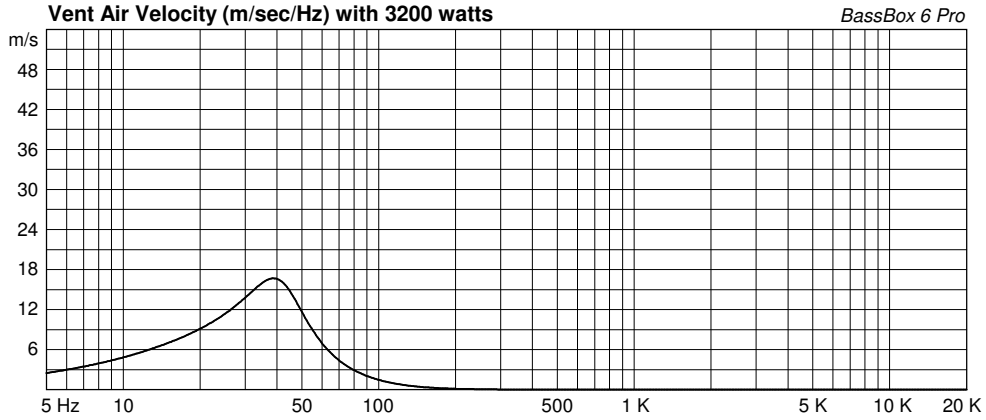
Maximum Acoustic Power (dB-SPL/Hz at 1 m) *BassBox 6 Pro*

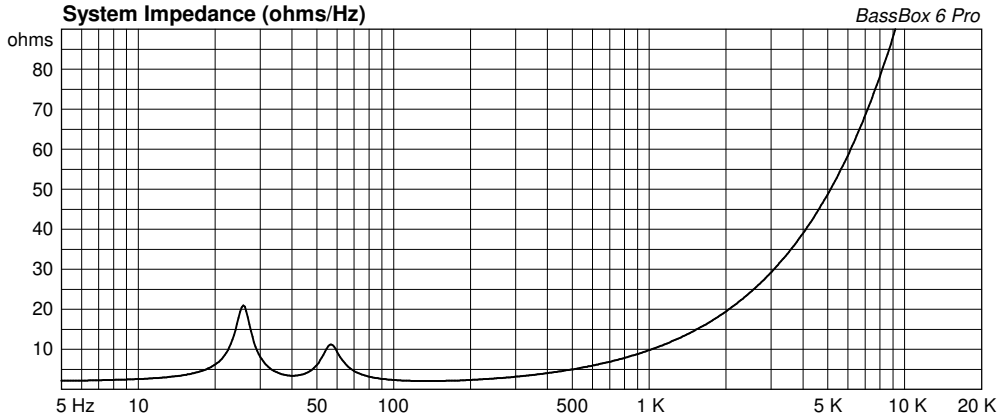


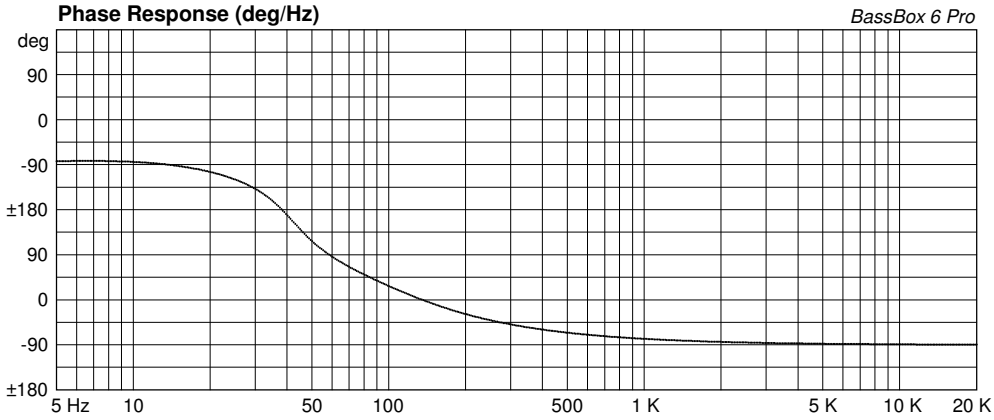
Maximum Electric Input Power (W/Hz) *BassBox 6 Pro*

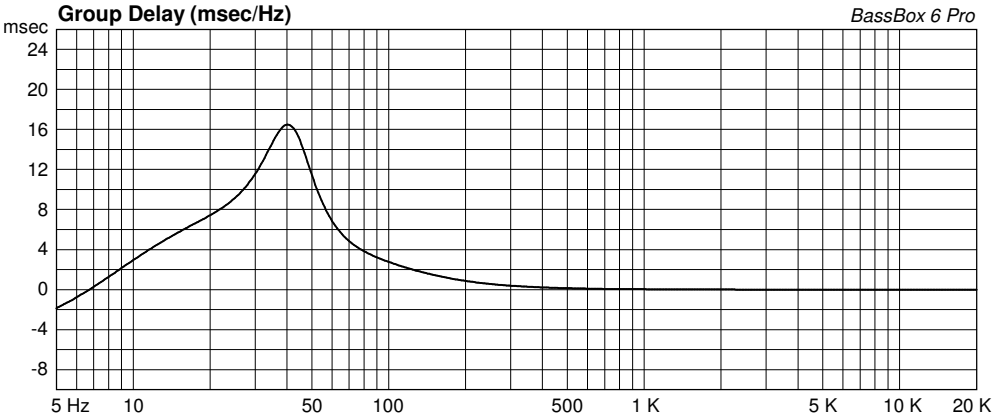


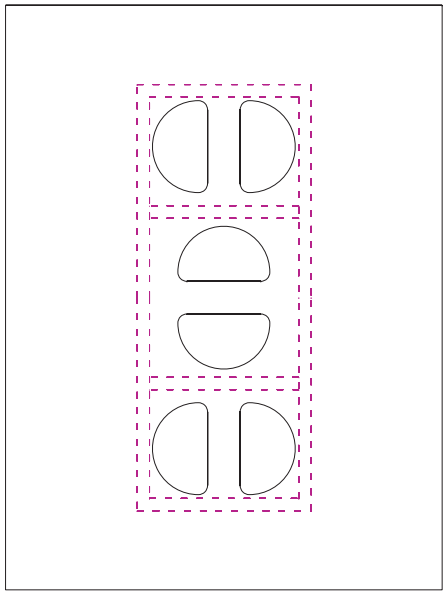

Cone Displacement (mm/Hz) with 3200 watts
BassBox 6 Pro
mm
16
14
12
10
8
6
4
2
5 Hz
10
50
100
500
1 K
5 K
10 K
20 K

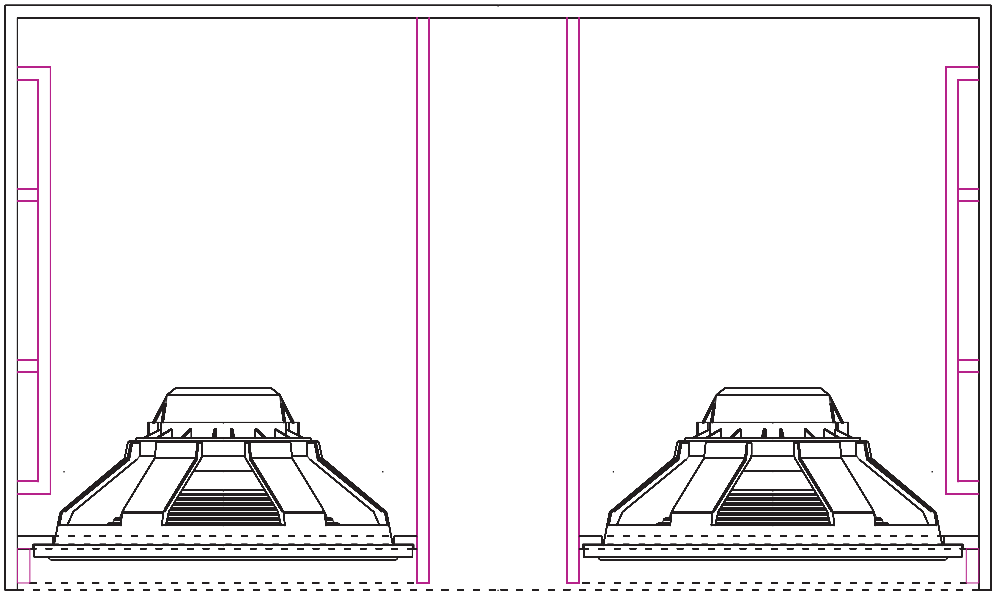

Vent Air Velocity (m/sec/Hz) with 3200 watts
BassBox 6 Pro
m/s
48
42
36
30
24
18
12
6
5 Hz
10
50
100
500
1 K
5 K
10 K
20 K

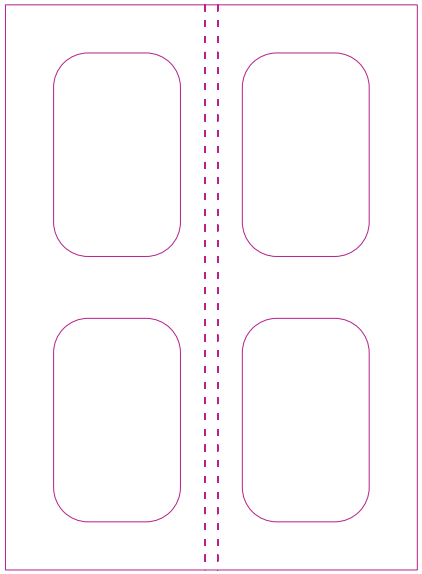
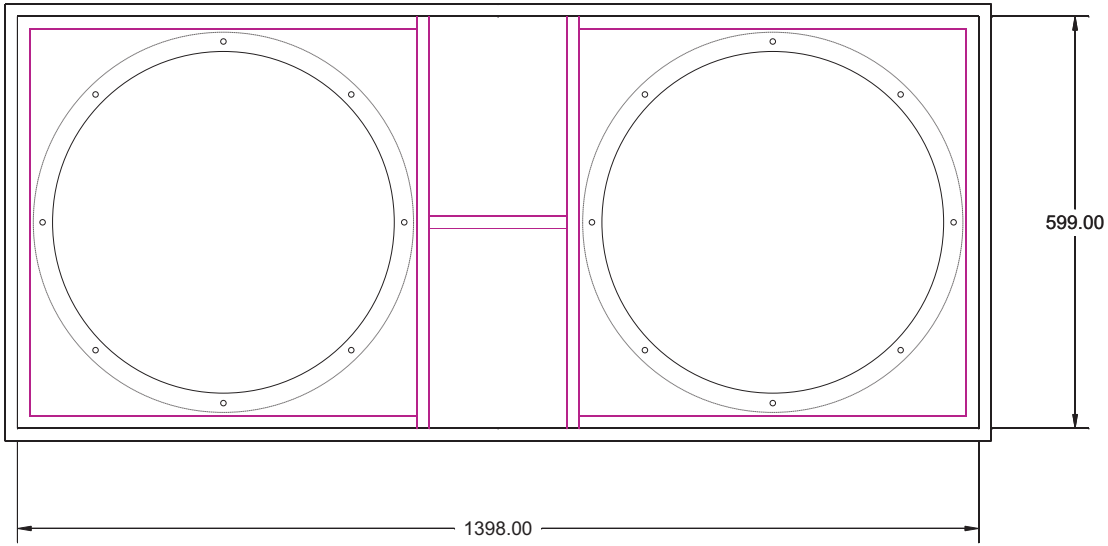

System Impedance (ohms/Hz)
BassBox 6 Pro
ohms
80
70
60
50
40
30
20
10
5 Hz
10
50
100
500
1 K
5 K
10 K
20 K


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


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







Čistý objem skříně: 569 l