305-WF08-02 Sealed Qtc 0.707

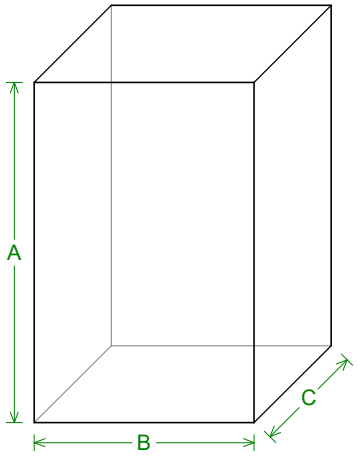
MISCO Minneapolis Speaker Company
1771 Energy Park Drive
Suite #400 St. Paul, MN 55108

MISCO®
The Sound of Imagination™

Box Properties

--Description--
Name:
Type: Closed Box
Shape: Prism, square (optimum)
--Box Parameters--

Vb =	0.92 cu.ft
Fb =	97.89 Hz
QL =	7
F3 =	96.95 Hz
Qtc =	0.707
Fill =	normal



--External Dimensions--
A = 20.84 in
B = 13.46 in
C = 8.889 in
--Internal Dimensions--
A = 19.34 in
B = 11.96 in
C = 7.389 in
--Wall Thickness--
Front = 0.75 in
Side = 0.75 in

Driver Properties

--Description--
Name: 305-WF08-02
Type: Standard woofer
Company: MISCO Minneapolis Speaker Company Inc.
--Configuration--
No. of Drivers = 1

--Mechanical Parameters--

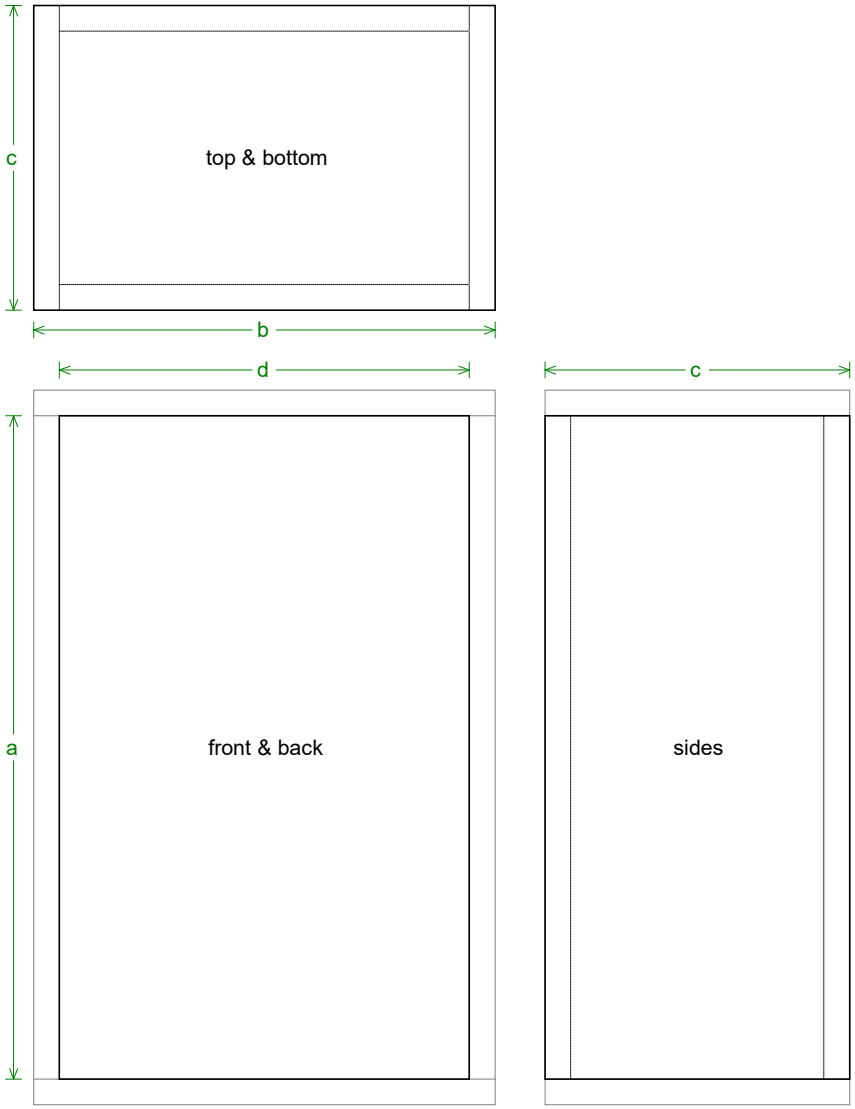
Fs =	45 Hz
Qms =	2.15
Vas =	105 liters
Cms =	0.26 mm/N
Mms =	49.7 g
Rms =	6.327 kg/s
Xmax =	5.5 mm
Xmech =	8.25 mm
P-Dia =	260.6 mm
Sd =	539.1 sq.cm
P-Vd =	0.293 liters

--Electrical Parameters--

Qes =	0.48
Re =	6.8 ohms
Le =	0.91 mH
Z =	8 ohms
BL =	14.11 Tm
Pe =	350 watts

--Electromech. Parameters--

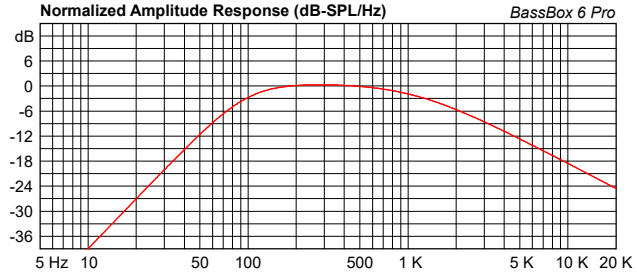
Qts =	0.392
no =	1.922 %
1-W SPL =	95.04 dB
2.83-V SPL =	95.74 dB



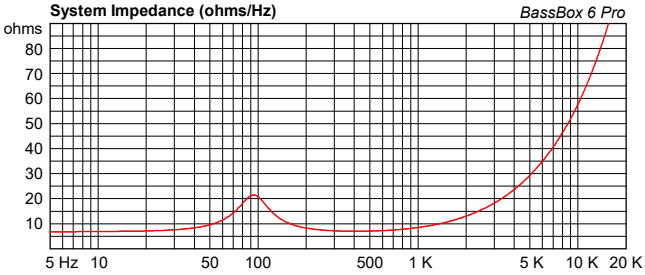
Box Parts

--Optimum Square Prism Box Parts--
1 Top, 1 Bottom: depth (c) = 8.889 in
width (b) = 13.46, thickness = 0.75 in
1 Front, 1 Back: height (a) = 19.34 in
width (d) = 11.96, thickness = 0.75 in
2 Sides: height (a) = 19.34 in
depth (c) = 8.889, thickness = 0.75 in

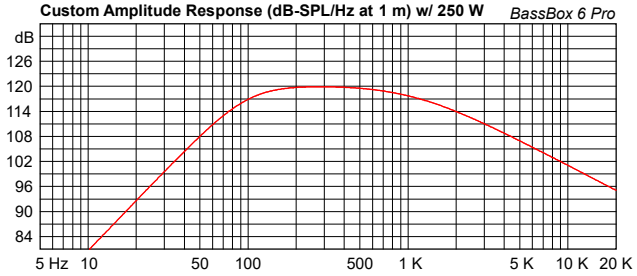
Normalized Amplitude Response (dB-SPL/Hz) *BassBox 6 Pro*



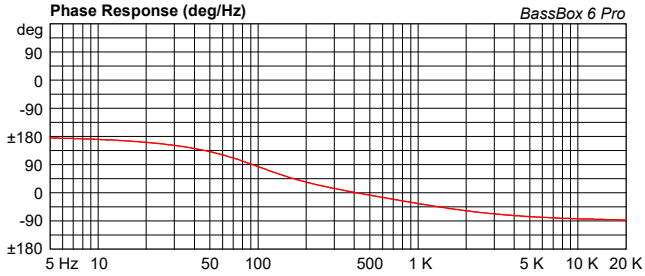
System Impedance (ohms/Hz) *BassBox 6 Pro*



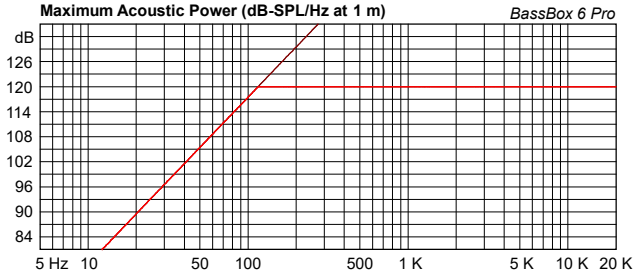
Custom Amplitude Response (dB-SPL/Hz at 1 m) w/ 250 W *BassBox 6 Pro*



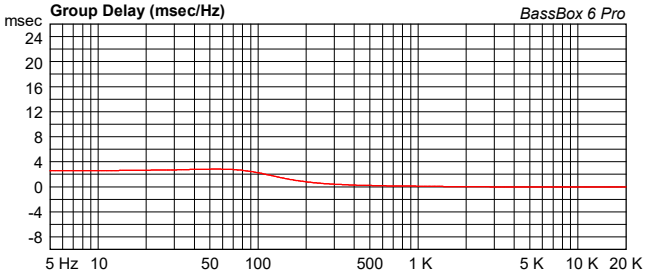
Phase Response (deg/Hz) *BassBox 6 Pro*



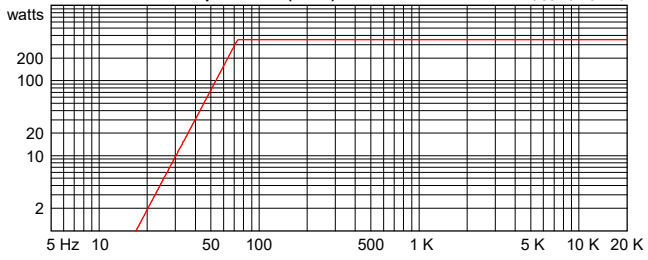
Maximum Acoustic Power (dB-SPL/Hz at 1 m) *BassBox 6 Pro*



Group Delay (msec/Hz) *BassBox 6 Pro*



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



Cone Displacement (mm/Hz) with 250 watts *BassBox 6 Pro*

