

Custom Vented Box Design

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Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, truncated edge

--Box Parameters--

Vb = 33.52 liters

Fb = 45 Hz

QL = 6.547

F3 = 65.65 Hz

Fill = heavy

--Vents--

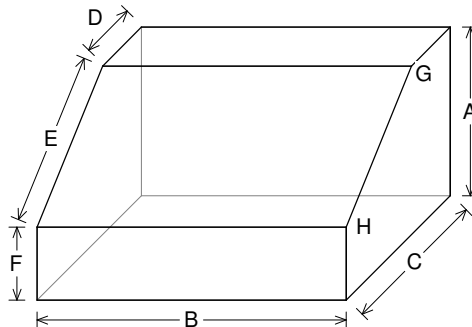
No. of Vents = 1

Vent shape = round

Vent ends = one flush

Dv = 70 mm

Lv = 83.55 mm



--External Dimensions--

A = 300 mm

B = 550 mm

C = 350 mm

D = 130 mm

E = 278 mm

F = 130 mm

--Internal Dimensions--

A = 264 mm

B = 514 mm

C = 314 mm

D = 105.9 mm

E = 263 mm

F = 103.2 mm

--Wall Thickness--

Wall = 18 mm

--Angles--

G = 142.3°

H = 127.7°

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 38 Hz

Qms = 5.46

Vas = 148 liters

Xmax = 2 mm

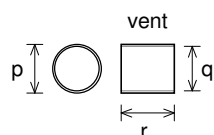
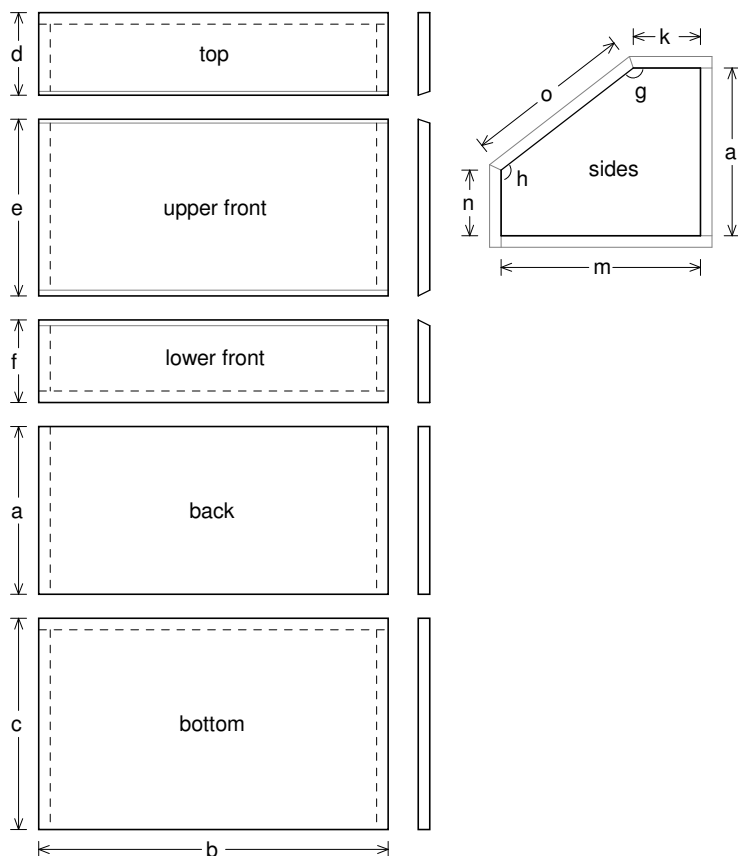
Sd = 530 sq.cm

Qes = 0.393

Re = 5.6 ohms

Z = 8 ohms

Pe = 200 watts



Box Parts

--Truncated Edge Prism Box Parts--

- 1 Top: height (d) = 130 mm
width (b) = 550, thickness = 18 mm
cut angle (front edge only) = 18.85°
- 1 Upper Front: height (e) = 278 mm
width (b) = 550, thickness = 18 mm
top edge cut angle = 18.85°
bottom edge cut angle = 26.15°
- 1 Lower Front: height (f) = 130 mm
width (b) = 550, thickness = 18 mm
cut angle (top edge only) = 26.15°
- 1 Back: height (a) = 264, width (b) = 550 mm
thickness = 18 mm
- 1 Bottom: height (c) = 332 mm
width (b) = 550, thickness = 18 mm
- 2 Sides: top depth (k) = 105.9 mm
height (a) = 264 mm
bottom depth (m) = 314 mm
lower front height (n) = 103.2 mm
front length (o) = 278 mm
thickness = 18 mm
Angle g = 142.3° , Angle h = 127.7°

--Vent Parts--

- 1 Duct: outside diameter (p) = 76.35 mm
inside diameter (q) = 70 mm
length (r) = 83.55 mm

--Driver Mounting--

Mounting: Flush



Wiring Diagram

