

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2 cu.ft

V(total) = 2.076 cu.ft

Fb = 30 Hz

QL = 6.619

F3 = 33.37 Hz

Fill = minimal

--Vents--

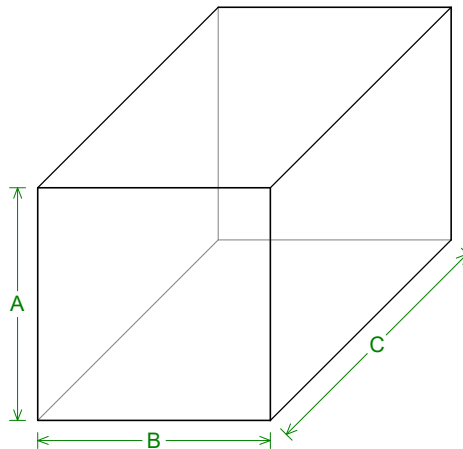
No. of Vents = 1

Vent shape = round

Vent ends = one flared

Dv = 3.126 in

Lv = 9.327 in



--External Dimensions--

A = 15 in

B = 15 in

C = 21.95 in

--Internal Dimensions--

A = 13.5 in

B = 13.5 in

C = 19.7 in

--Wall Thickness--

Front = 1.5 in

Side = 0.748 in

Driver Properties

--Description--

Name: 295-486

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

--Configuration--

No. of Drivers = 1

Dual voice coils = parallel

--Mechanical Parameters--

Fs = 26.2 Hz

Qms = 3.23

Vas = 107.5 liters

Cms = 0.64 mm/N

Mms = 57.7 g

Rms = 2.939 kg/s

Xmax = 6 mm

Xmech = 9 mm

P-Dia = 209.3 mm

Sd = 346.4 sq.cm

P-Vd = 0.206 liters

--Electrical Parameters--

Qes = 0.5

Re = 3.16 ohms

Le = 1.12 mH

Z = 4 ohms

BL = 7.8 Tm

Pe = 80 watts

--Electromech. Parameters--

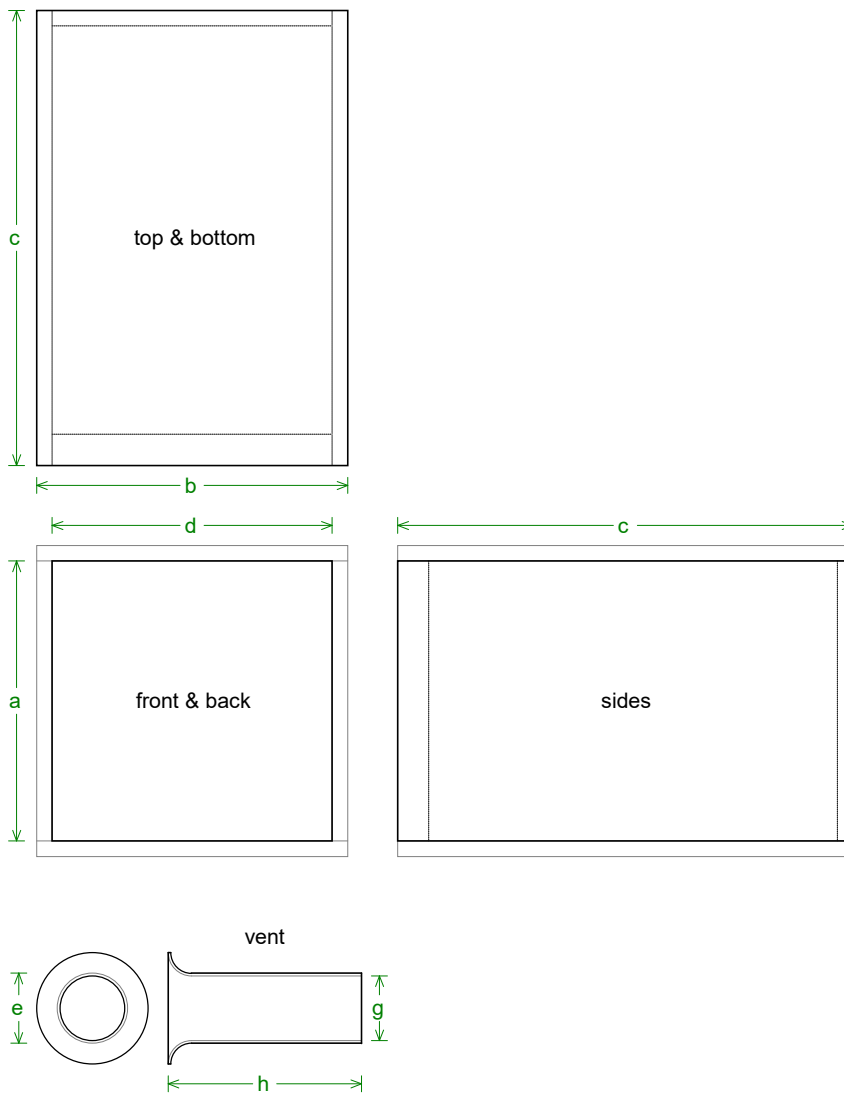
Qts = 0.43

no = 0.373 %

1-W SPL = 87.86 dB

2.83-V SPL = 91.9 dB

Dayton Audio - SD270A-88 - 10" DVC Subwoofer



Box Parts

Box Shape: Square Prism

1 Top, 1 Bottom: depth (c) = 21.95 in
width (b) = 15, thickness = 0.748 in

1 Front: height (a) = 13.5 in
width (d) = 13.5, thickness = 1.5 in

1 Back: height (a) = 13.5 in
width (d) = 13.5, thickness = 0.748 in

2 Sides: height (a) = 13.5 in
depth (c) = 21.95, thickness = 0.748 in

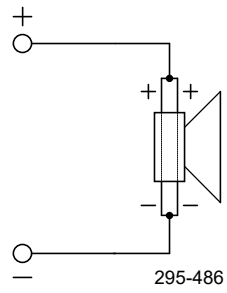
--Driver Mounting--

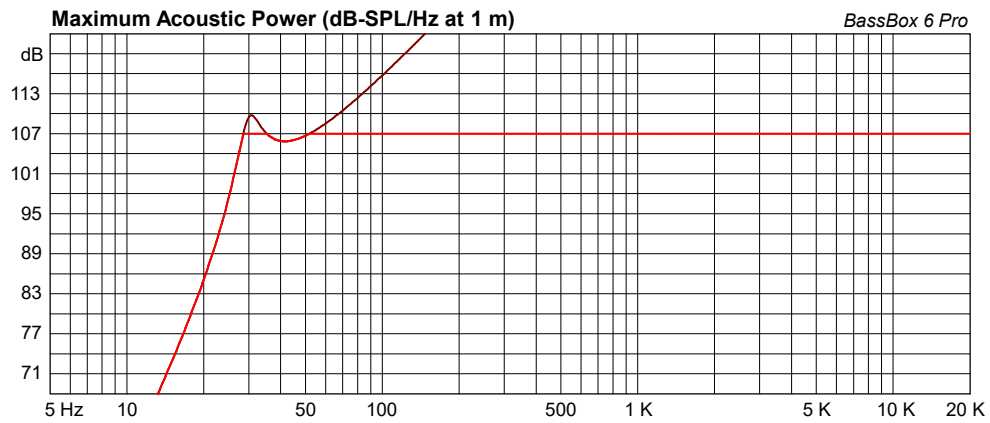
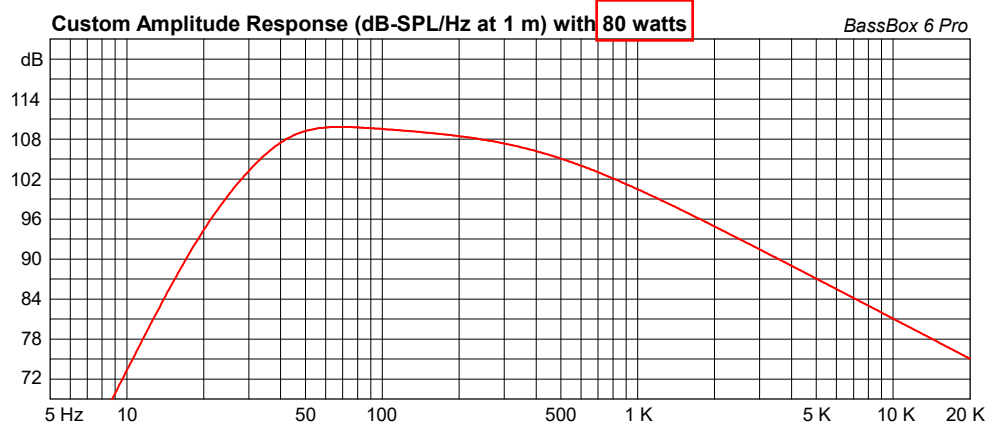
Mounting: Flush

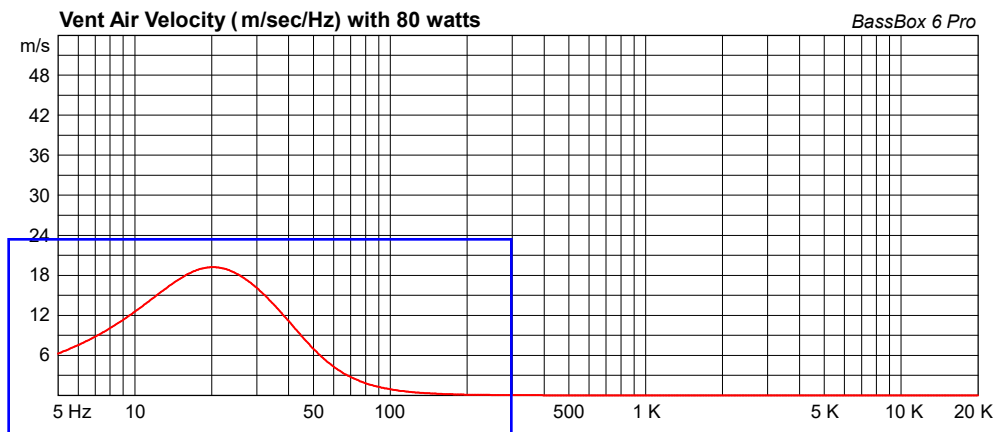
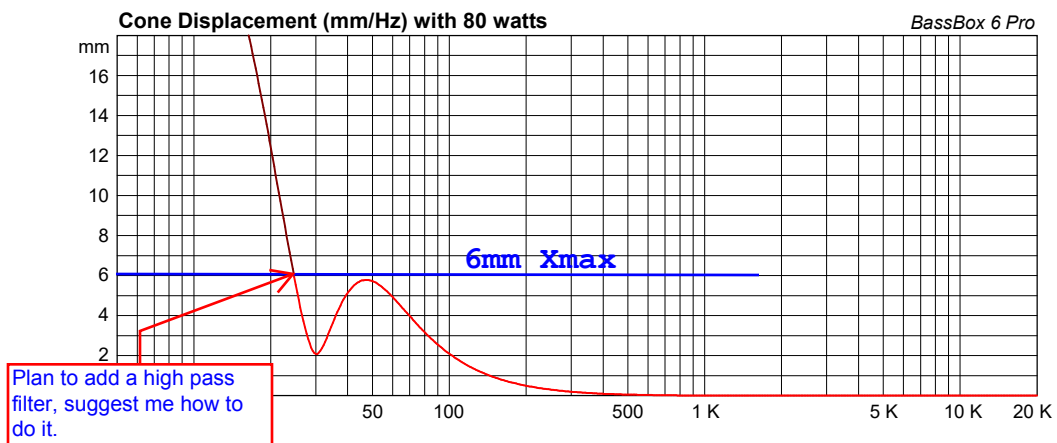
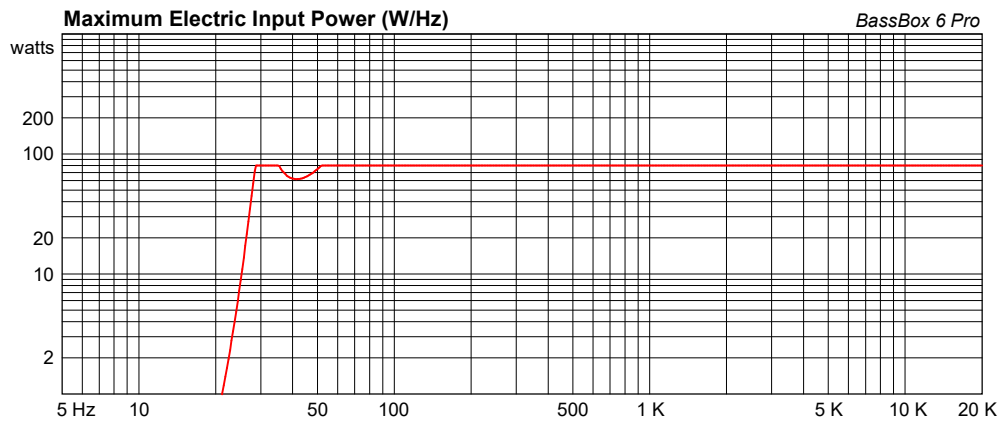
--Vent Parts--

1 Duct: outside diameter (e) = 3.376 in
inside diameter (g) = 3.126 in
length (h) = 9.327 in

Wiring Diagram







Is this OK?

