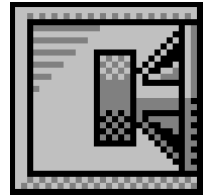


RS270S-8

By Kiyoshi, Baysidenet



Box Properties

--Description--

Name: Sealeded-1

Type: Closed Box

Shape: Prism, square (optimum)

Company: Dayton Loudspeaker Co.

--Box Parameters--

Vb = 27.81 liters

V(total) = 30.35 liters

Qtc = 0.707

QL = 19.81

F3 = 60.09 Hz

Fill = heavy

Driver Properties

--Description--

Name: 295-368 RS270S-8

Type: Standard one-way driver

Company: Dayton Loudspeaker Co.

Comment: Reference series

Piston: Black anodized aluminum cone.

Suspension: Rubber surround.

Dust Cap: Solid black aluminum phase plug.

Frame: Heavy 6-pole cast frame.

Voice Coil: 2 inch voice coil.

Magnetic shielding

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 25.63 Hz

Qms = 1.9

Vas = 146.6 liters

Cms = 0.91 mm/N

Mms = 42.42 g

Rms = 3.592 kg/s

Xmax = 6.6 mm

Xmech = 9.9 mm

P-Dia = 208 mm

Sd = 336.8 sq.cm

P-Vd = 0.222 liters

--Electrical Parameters--

Qes = 0.45

Re = 6.8 ohms

Le = 0.35 mH

Z = 8 ohms

BL = 10.12 Tm

Pe = 100 watts

--Electromech. Parameters--

Qts = 0.37

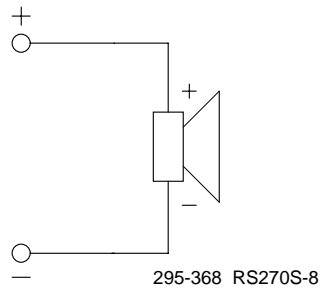
no = 0.529 %

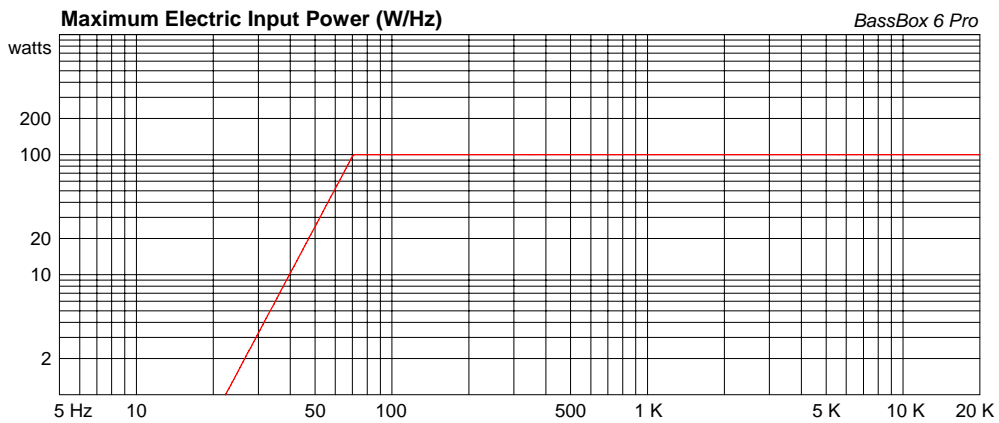
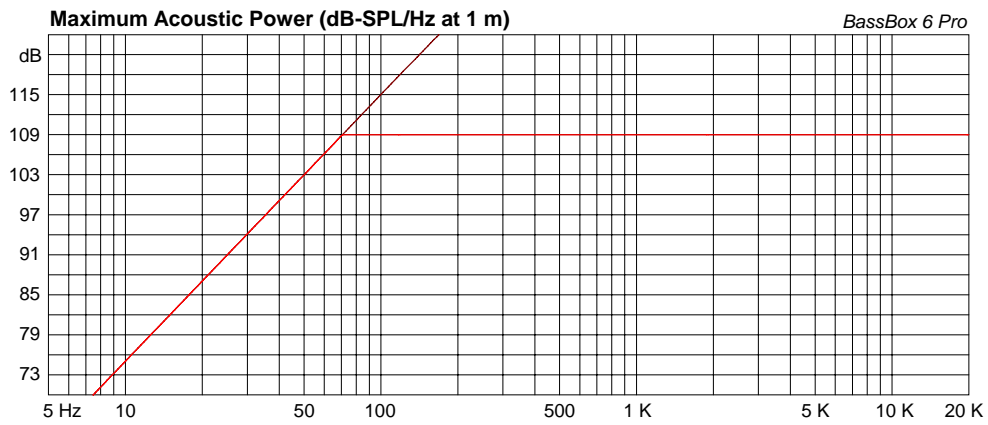
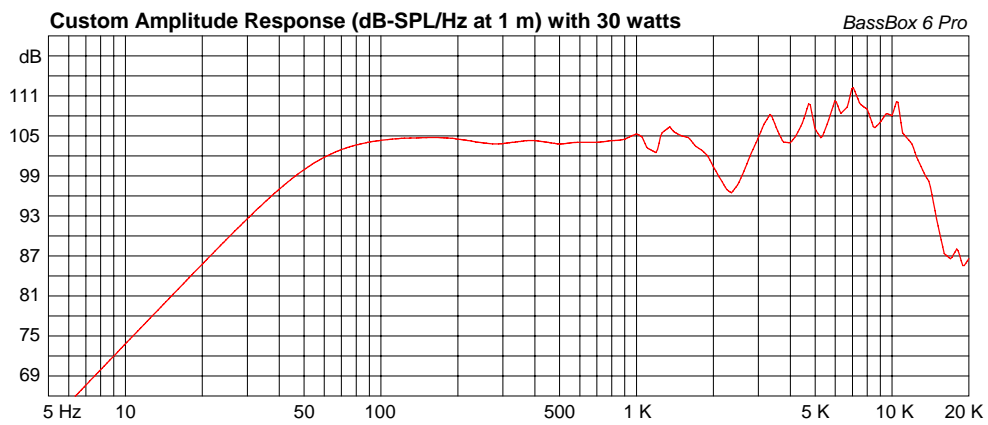
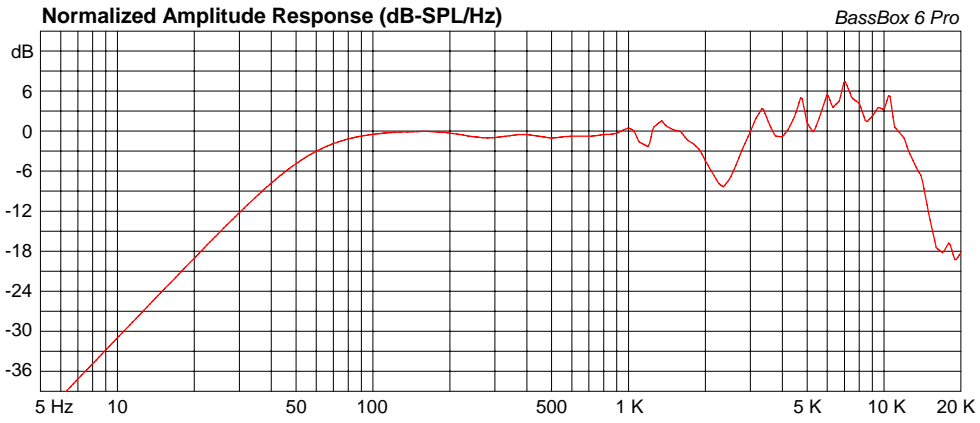
1-W SPL = 89.38 dB

2.83-V SPL = 91 dB



Wiring Diagram

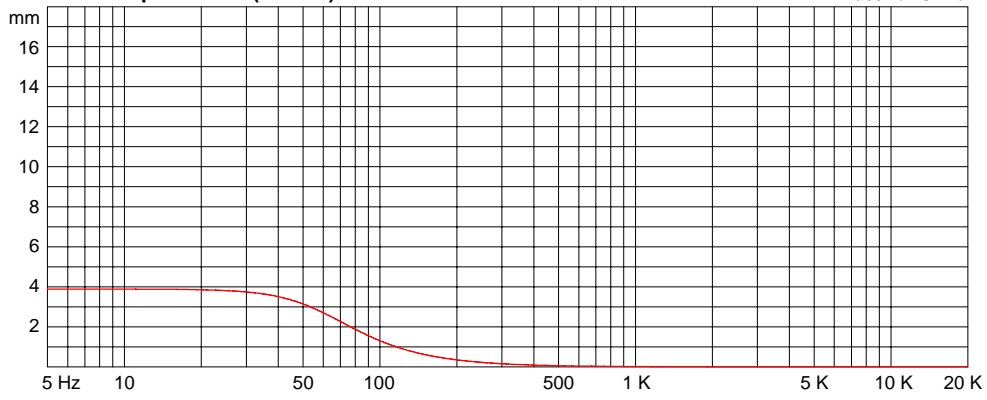






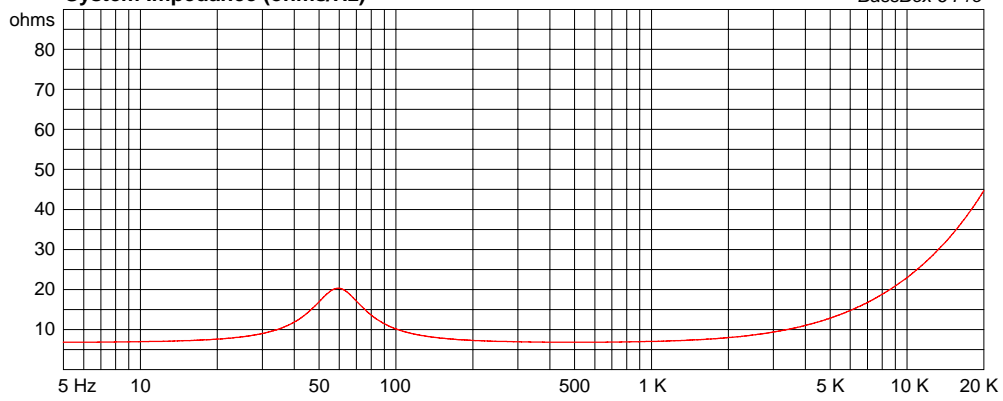
Cone Displacement (mm/Hz) with 30 watts

BassBox 6 Pro



System Impedance (ohms/Hz)

BassBox 6 Pro



Phase Response (deg/Hz)

BassBox 6 Pro

