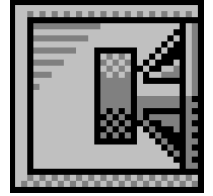


pa loudspeaker design

By km, cadaudio.dk



Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 152, liters

V(total) = 156,9 liters

Fb = 47, Hz

F3 = 47,2 Hz

Fill = minimal

--Vents--

No. of Vents = 1

Vent shape = rectangle

Vent ends = one flush

Hv = 191,7 mm

Wv = 191,7 mm

Lv = 125,3 mm

Driver Properties

--Description--

Name: 18LW1250

Type: Standard one-way driver

Company: Eighteen Sound

Suspension: Double silicon spider.

Voice Coil: 100 mm (4 inch) ISV coil.

Magnet: Ferrite magnet.

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 35, Hz

Qms = 8,

Vas = 268, liters

Xmax = 9, mm

Sd = 1134 sq.cm

Qes = 0,28

Re = 5, ohms

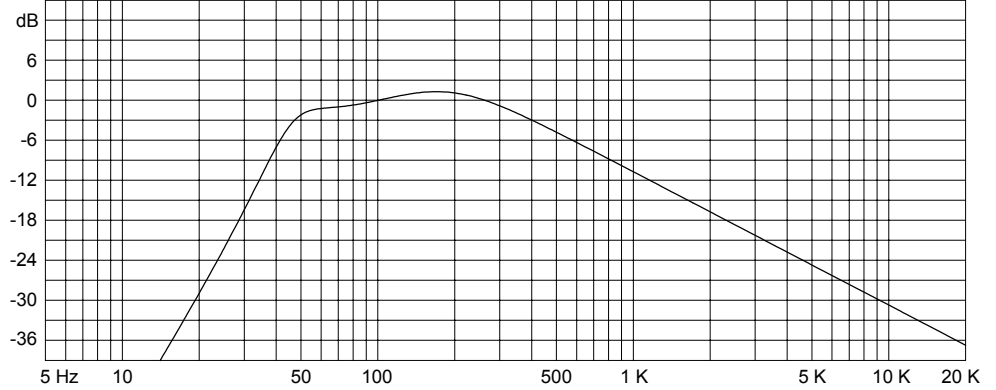
Le = 2,73 mH

Z = 8, ohms

Pe = 1000 watts

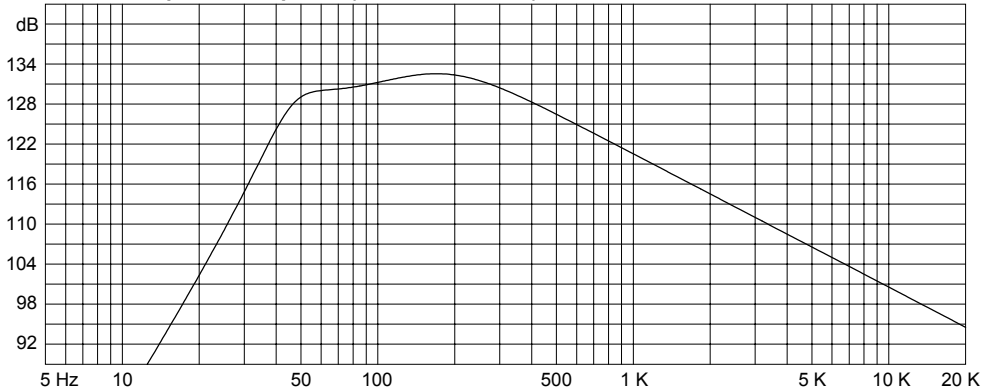
Normalized Amplitude Response (dB-SPL/Hz)

BassBox 6 Pro



Custom Amplitude Response (dB-SPL/Hz at 1 m) with 1300 watts

BassBox 6 Pro



Maximum Acoustic Power (dB-SPL/Hz at 1 m)

BassBox 6 Pro

