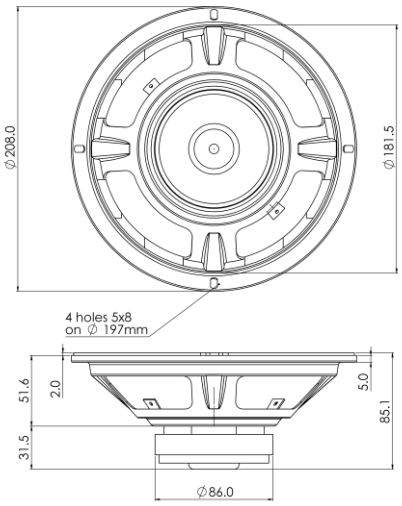
8 H 1 CS 8Ω

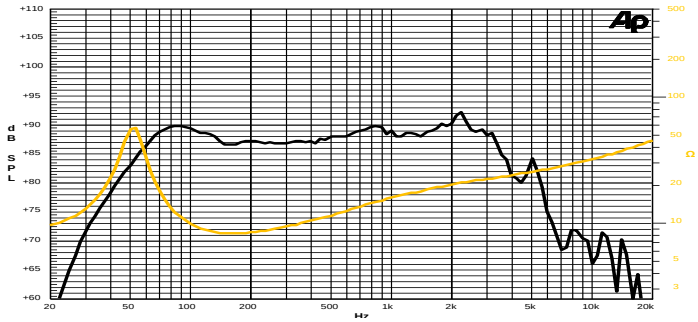
Studio Monitor

8″ | 140 W

Code Z004290

- 1” voice coil Epotex former
- Ferrite Magnet Circuit
- 90.7 dB sensitivity
- Frequency Range 45-3000 Hz





Frequency Response on 25 Lt @ 45 Hz Vented Box @ 1W, 1m
Free Air Impedance

General Specifications

Nominal Diameter	208 mm (8")
Nominal Impedance	8 Ω
Rated Power AES (1)	70 W
Continuous Program Power (2)	140 W
Sensitivity @ 1W/1m (3)	90.7 dB
Voice Coil Diameter	25 mm (1")
Voice Coil Winding Depth	16 mm
Magnetic Gap Depth	6 mm
Flux Density	0.95 T
Magnet Weight	380 g
Net Weight	1.1 kg

Thiele & Small Parameters (4)

Re	6.1 Ω	*Fs*	49.5 Hz
Qms	5.13	*Qes*	0.60
Qts	0.54	*Mms*	24.1 g
Cms	429 µm/N	*Bxl*	8.73 Tm
Vas	27.8 l	*Sd*	213.8 cm^2
X max (5)	+/-4.0 mm	*X var* (6)	+/-6.0 mm
η_0	0.57 %	*Le (1kHz)*	1.80 mH

Constructive Characteristics

Magnet	Ferrite
Basket Material	Pressed Sheet Steel
Voice Coil Winding Material	Copper
Voice Coil Former Material	Epotex
Cone Material	Paper
Cone Treatment	No
Surround Material	Rubber
Dust Dome Material	Non Treated Cloth

Mounting Information

Overall Diameter	210 mm
Baffle Cutout Diameter	184 mm
Mounting Holes	4 holes 5x8 on ø197 mm
Total Depth	85.1 mm

(1) Rated Power measured with 2-hour test with pink noise signal, 6dB crest factor, loudspeaker in free air, power calculated on rated Zmin. **(2)** Power on Continuous Program is defined as 3dB greater than the Rated Power. **(3)** Calculated by Thiele & Small parameters, for SPL average in box refer to frequency response. **(4)** Thiele & Small parameters measured with laser system after preconditioning test. **(5)** Measured with respect to a THD of 10%. **(6)** Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value. **(7)** Drawing dimensions: mm.