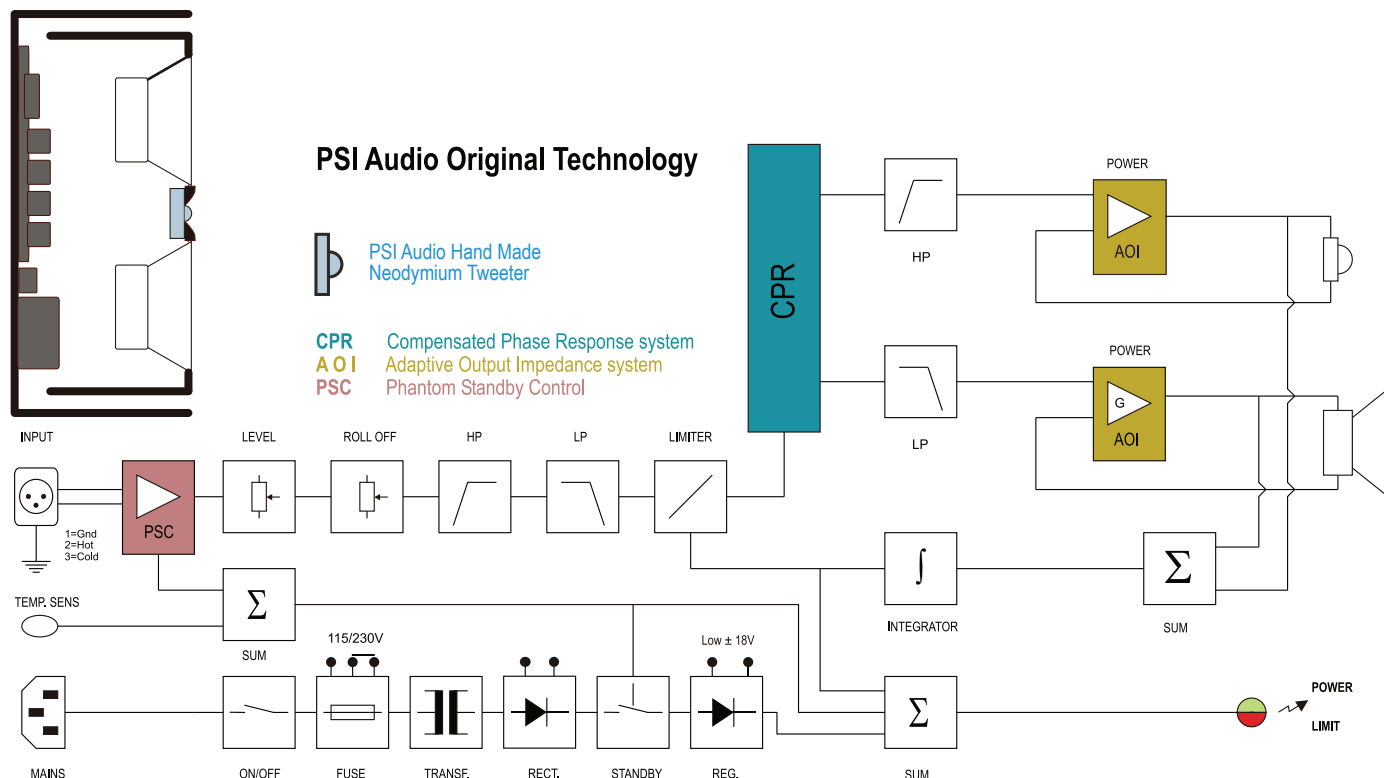




Technical data sheet

A214-M





Potential peak power	280+45 W
Max RMS power	70+10 W
Input impedance	Sym 10 k Ω
Input sensitivity for 100 dB SPL @1m	0.775 Vrms
Input overload	24 Vpp
Continuous max SPL@1 m	104 dB
Short term max. SPL@1m	108 dB
Peak max. SPL@1m	117 dB
Background noise @1m	4 dBA
Signal to noise ratio (S/N)	96 dBA
Mechanical noise (i.e. transformer)	-8 dBA
Bandwidth at -6dB	53-23'000 Hz
SPL tolerances	±2.0 dB
Phase tolerances	± 45 (300 Hz – 20 kHz) deg
Dispersion (H x V)	80 x 40 deg
System	2 ways
Crossover frequency	1800 Hz
Box Material	MDF
Woofer ext. diam.	147 (2x) mm
Woofer ext. diam.	5.8 (2x) in

W. diaphragm diam.	104 (2x) mm
W. diaphragm diam.	4.1 (x2) in
Tweeter ext. dim.	100 mm
Tweeter ext. dim.	3.94 in
T. diaphragm diam.	27 mm
T. diaphragm diam.	1.06 in
Dimensions W x H x D	166 x 446 x 200 mm
Dimensions W x H x D	6.6 x 17.6 x 7.9 in
Net Weight	10.5 Kg
Net Weight	23.13 lbs
Input connector	1 x XLR F / 3P
Input connections	1=GND, 2=(+), 3=(-)
Mains voltage	115 / 230(50-60Hz) V, ±10 %
Mains max DC offset	0.2 V
Standby consumption	1.2 W
Quiescent consumption	5 W
Max continuous Power	150 W
RMS continuous consumption	95 W
Max Relative humidity	70 %
External temperature range	5-35 degC
Warranty	5 (+1) years

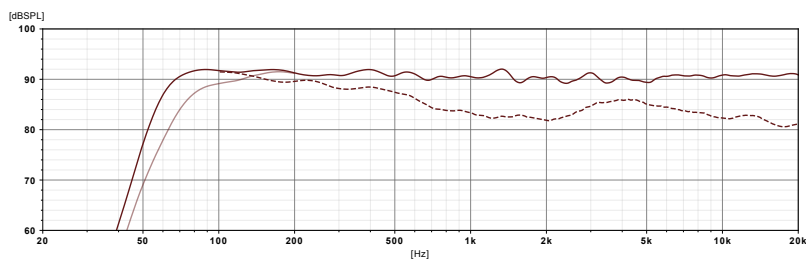
Measurement environment:

- Large anechoic room, temperature 23±2°C, humidity 50±20%
- Typical acoustical measurements, tolerances ±0.5 dB averaging 1/6 Octave

Frequency Response

— SPL@ (-10dBu ; 1m)
— SPL with -10dB Roll Off
— Acoustic Power

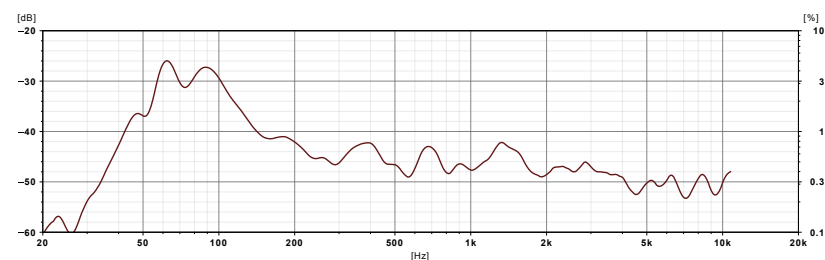
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



Total Harmonic Distortion

— THD@ (-10dBu ; 1m)

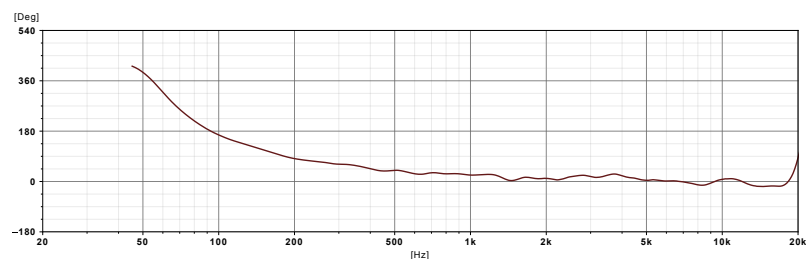
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



Acoustic Phase

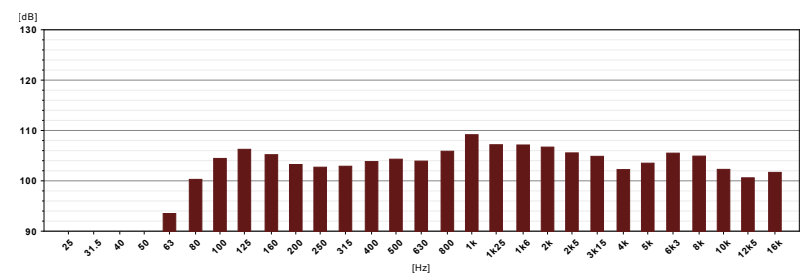
— Acoustic Phase

Delay: 0.382 [ms]
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



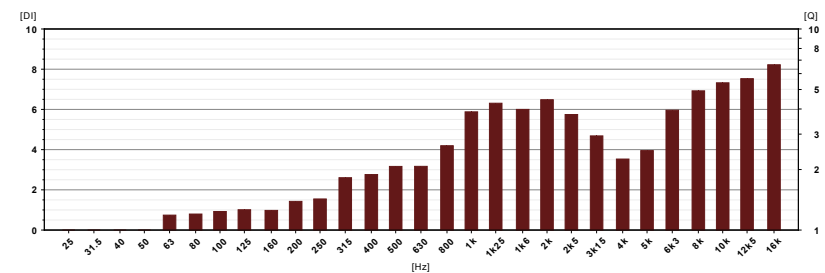
Max Continuous SPL

— Max Continuous SPL @ 1m



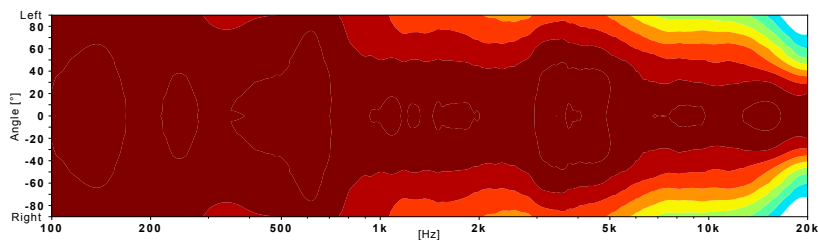
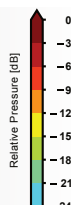
Directivity Index

— Directivity Index



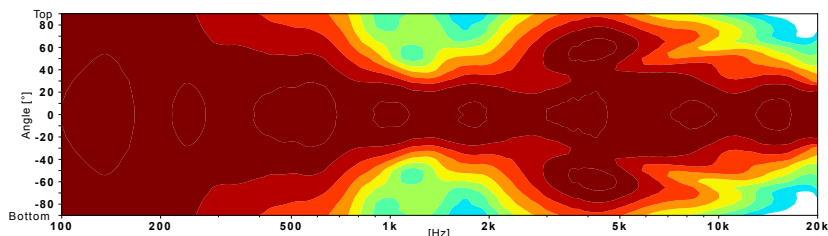
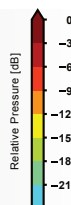
Horizontal Directivity

Frequency resolution: 1/36 Octave
Smoothing: 1/3 Octave



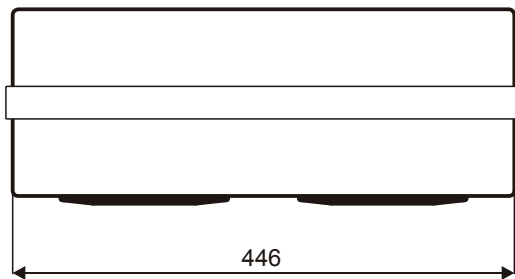
Vertical Directivity

Frequency resolution: 1/42 Octave
Smoothing: 1/3 Octave

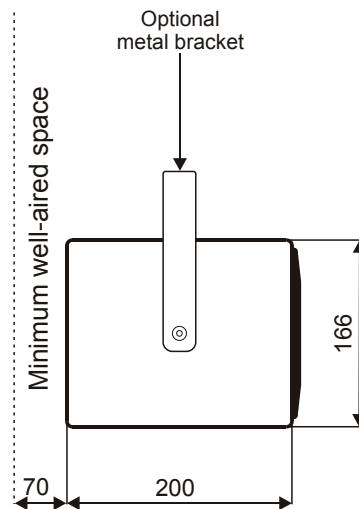


Mounting

All dimensions are in mm

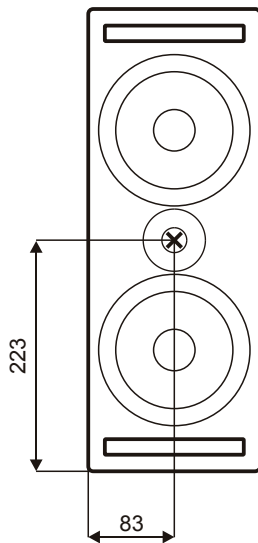


Bottom/Top view



Side view

Acoustical axis



Front view

Recommended listening distance

