

A226-MAIN

Precision & Power Redefined

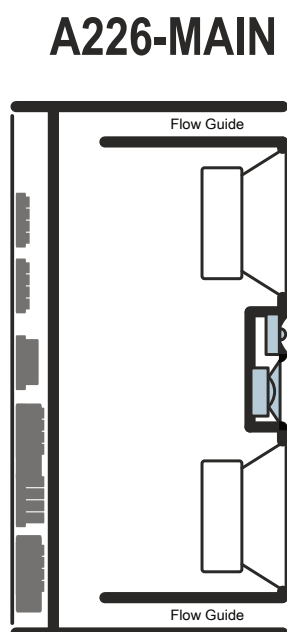


This is it. The real thing.

FULLY ANALOG. HANDMADE. SWISS MADE.

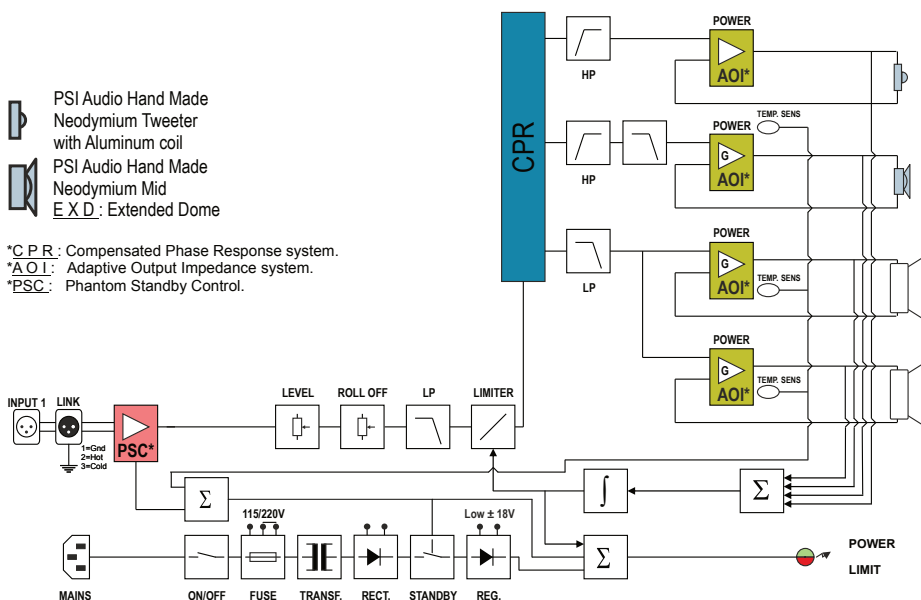
A226-MAIN

SYSTEM & TECHNOLOGY



- PSI Audio Hand Made Neodymium Tweeter with Aluminum coil
- PSI Audio Hand Made Neodymium Mid E X D : Extended Dome

*C P R : Compensated Phase Response system.
 *A O I : Adaptive Output Impedance system.
 *P S C : Phantom Standby Control.



PERFORMANCE AT A GLANCE

FREQUENCY RANGE

20 Hz - 23 kHz

PEAK MAX SPL @ 1 m

125 dB

POTENTIAL PEAK POWER

660+130+55 W


Measurement environment:

- Large anechoic room, temperature $23 \pm 2^\circ\text{C}$, humidity $50 \pm 20\%$
- Typical acoustical measurements, tolerances $\pm 0.5 \text{ dB}$ averaging 1/6 Octave

SWISS MADE BY RELEC SA, 1400 YVERDON-LES-BAINS

Complete specifications.

DATA	A226-MAIN	[UNIT]
Potential peak power	660+130+55	W
RMS power	2x100+30+12	W
Input impedance	(Sym) 10	k Ω
Input sensitivity for 100 dB SPL @1 m	0.775	Vrms
Input overload	24	Vpp
Continuous max AES75 SPL@1 m	114	dB
Short term max. SPL@1 m	117	dB
Peak max. SPL@1 m	125	dB
Background noise @1 m	5	dBA
Signal to noise ratio (S/N)	109	dBA
Mechanical noise (i.e. transformer)	-5	dBA
Bandwidth at -6dB	20-23'000	Hz
SPL tolerances	± 1.0	dB
Phase tolerances	$\pm 45^\circ$ (200 Hz – 20 kHz)	deg
Dispersion (H x V)	90 x 55	deg
Directivity factor	SEE GRAPH No 01	
Acoustic power	SEE GRAPH No 05	
Distortion THD	SEE GRAPH No 02	
System	3	ways
Crossover frequency	380, 3'600	Hz
Box material	MDF	
Woofer ext. diam.	290	mm
Woofer ext. diam.	11.4	in
W. diaphragm diam.	210	mm
W. diaphragm diam.	8.3	in
Tweeter ext. dim.	100	mm
Tweeter ext. dim.	3.9	in
T. diaphragm diam.	27	mm
T. diaphragm diam.	1.1	in
Dimensions W x H x D	399 x 960 x 496	mm
Dimensions W x H x D	15.7 x 37.8 x 19.5	in
Net weight	60	kg
Net weight	132.3	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	0.04	V
Standby consumption	1.2	W
Quiescent consumption	15	W
Max continuous power	400	W
RMS continuous consumption	300	W
Max relative humidity	70	%
External temperature range	5-35	$^\circ\text{C}$
Warranty	5 (+1)	years

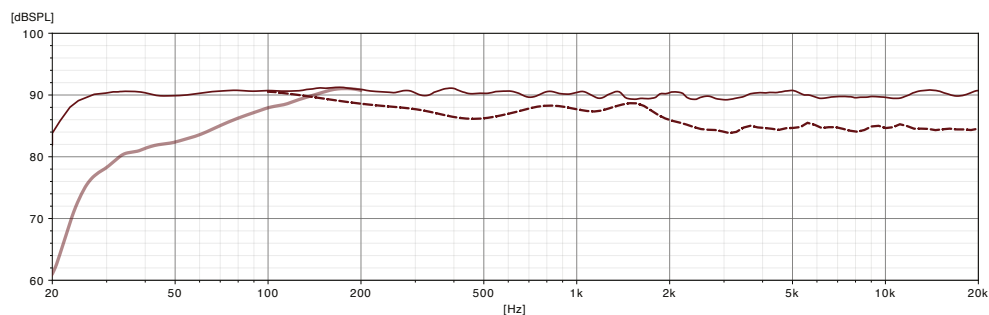
Acoustic performance.

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01 Frequency Response

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

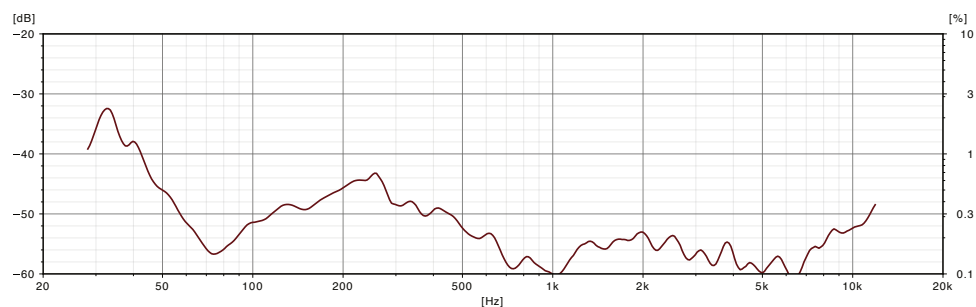
Resolution: 1/48 Octave
 Smoothing: 1/6 Octave



02 Total Harmonic Distortion

— THD@ (-10dBu ; 1m)

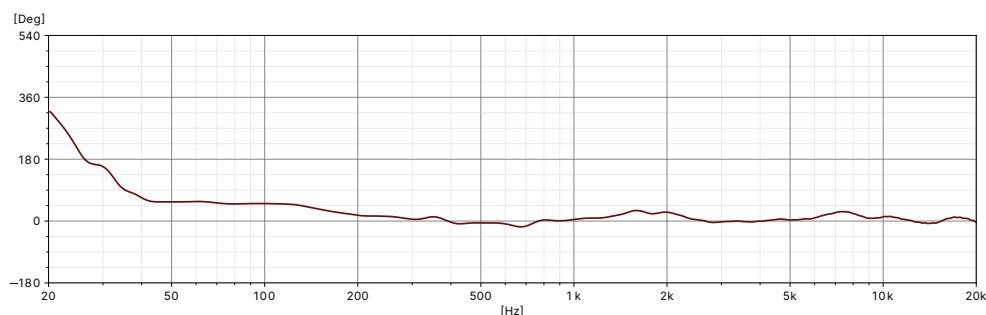
Resolution: 1/48 Octave
 Smoothing: 1/6 Octave



03 Acoustic Phase

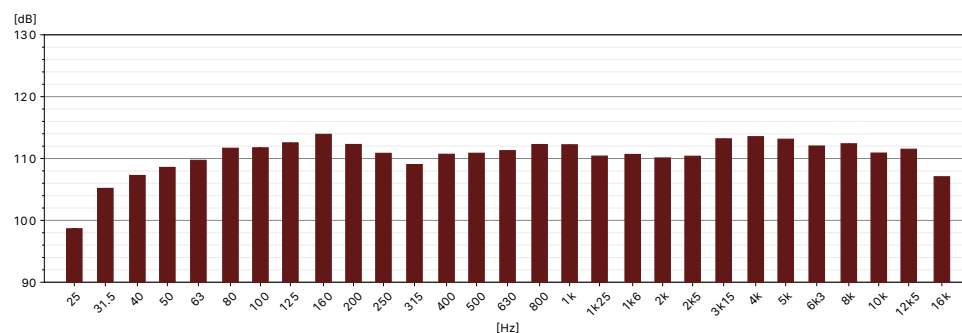
— Acoustic Phase

Delay: 0.803 [ms]
 Resolution: 1/48 Octave
 Smoothing: 1/6 Octave



04 Max Continuous SPL

— Max Continuous SPL @ 1m

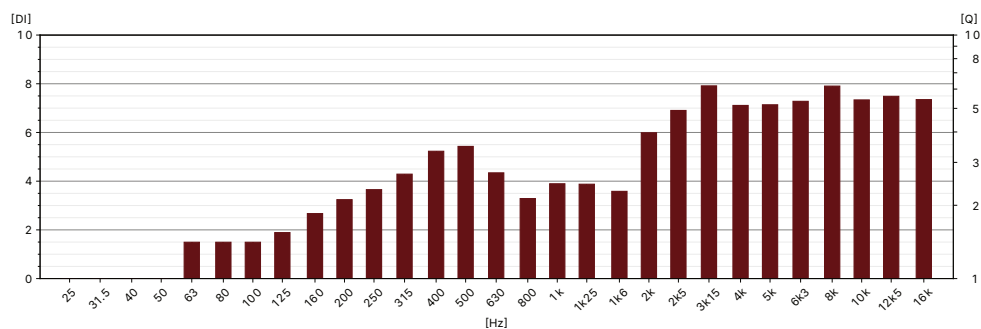


Directivity.

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05 Directivity Index

■ Directivity Index



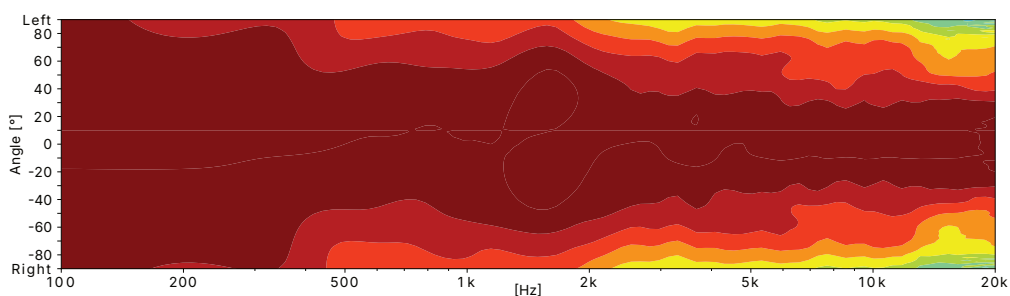
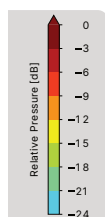
06 Horizontal Directivity

Frequency resolution:

1/36 Octave

Smoothing:

1/3 Octave



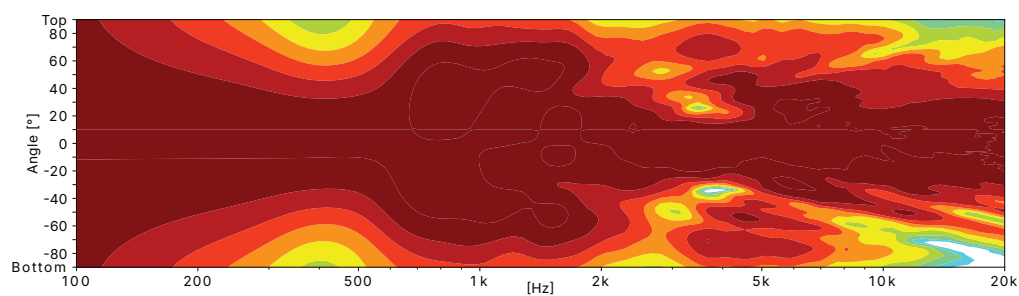
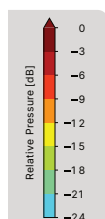
07 Vertical Directivity

Frequency resolution:

1/36 Octave

Smoothing:

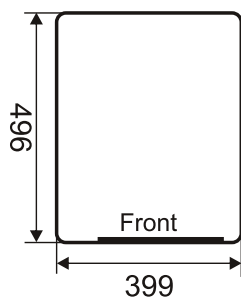
1/3 Octave



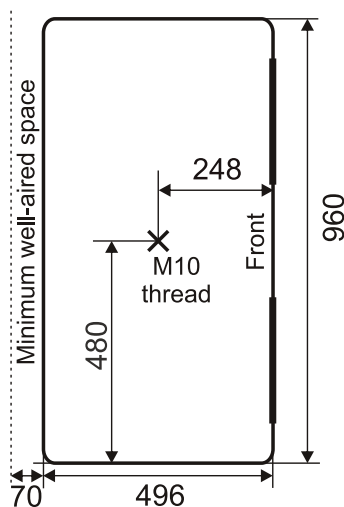
Installation.

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Mounting



Bottom view

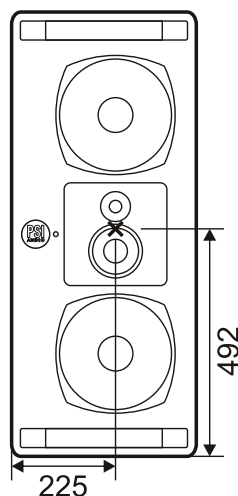


Side view

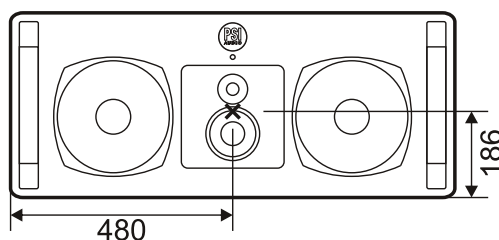
All dimensions are in mm

Refer to user manual for information about installation and safety instructions

Acoustical axis



Front view



Front view

Mid/High baffle orientation

As mentioned on the drawing here above, with a T30 hexalobular screwdriver, you can change the orientation of the mid/high baffle. Before this change, the power cable must not be connected. Be sure that this operation does not cause any short-circuit to the connections of the baffle.

In a similar way, with a T10 hexalobular screwdriver, you can also easily change the orientation of the « PSI Audio » logo

Measurement environment:

Large anechoical room

Temperature $23 \pm 2^\circ\text{C}$ Humidity $50 \pm 20\%$

Typical acoustical measurements

Tolerances ± 0.5 dB Averaging 1/6 octave