

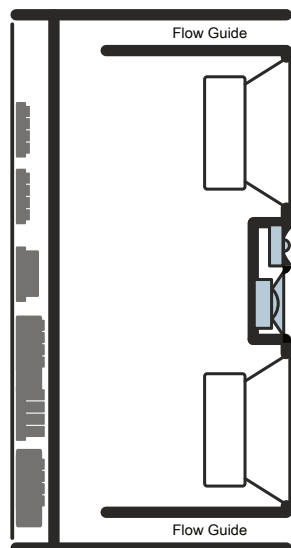


Technical data sheet

A226-MAIN

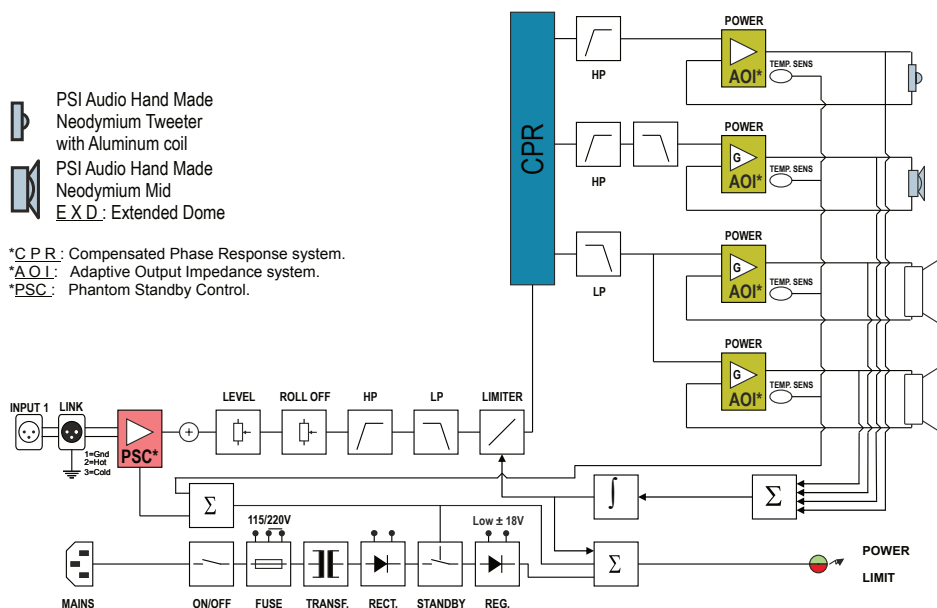


A226-MAIN



- 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.



Potential peak power	660+130+55	W	Woofer ext. diam.	11.4	in
RMS power	2x100+30+12	W	W. diaphragm diam.	210	mm
Input impedance	Sym 10 kΩ	Ω	W. diaphragm diam.	8.3	in
Input sensitivity	0.775	Vrms	Tweeter ext. dim.	100	mm
Input overload	24	Vpp	Tweeter ext. dim.	3.9	in
Continuous max AES75 SPL@1 m	114	dB	T. diaphragm diam.	27	mm
Short term max. SPL@1m	117	dB	T. diaphragm diam.	1.1	in
Peak max. SPL@1m	125	dB	Dimensions W x H x D	399 x 960 x 496	mm
Background noise @1m	5	dBA	Dimensions W x H x D	15.7 x 37.8 x 19.5	in
Signal to noise ratio (S/N)	109	dBA	Net weight	60	kg
Mechanical noise (i.e. transformer)	-5	dBA	Net weight	132.3	lbs
Bandwidth at -6dB	20-23'000	Hz	Input connector	1 x XLR F / 3P	
SPL tolerances	±1.0	dB	Input connections	1=GND, 2=(+), 3=(-)	
Phase tolerances	±45° (200 Hz – 20 kHz)	deg	Mains voltage	115 / 230(50-60Hz)	V, ±10 %
Dispersion (H x V)	85 x 40	deg	Mains max DC offset	0.04	V
Directivity factor	SEE GRAPH		Standby consumption	1.2	W
Acoustic power	SEE GRAPH		Quiescent consumption	15	W
Distortion THD	SEE GRAPH		Max continuous power	400	W
System	3	ways	RMS continuous consumption	300	W
Crossover frequency	380, 3'600	Hz	Max relative humidity	70	%
Box material	MDF		External temperature range	5-35	°C
Woofer ext. diam.	290	mm	Warranty	5 (+1)	years

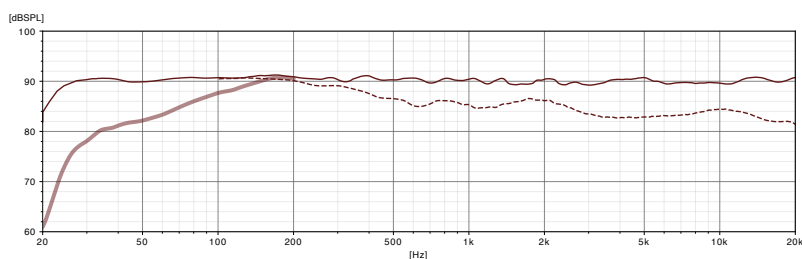
Measurement environment:

- 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

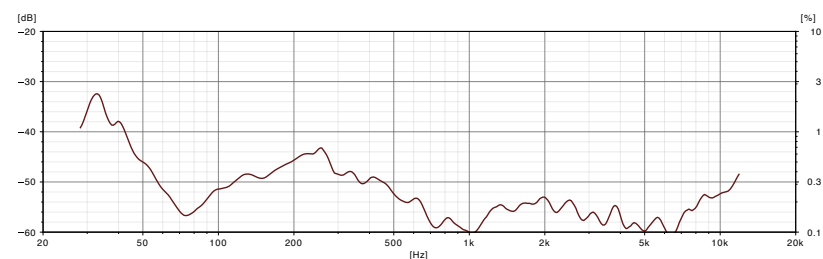
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



Total Harmonic Distortion

— THD@ (-10dBu ; 1m)

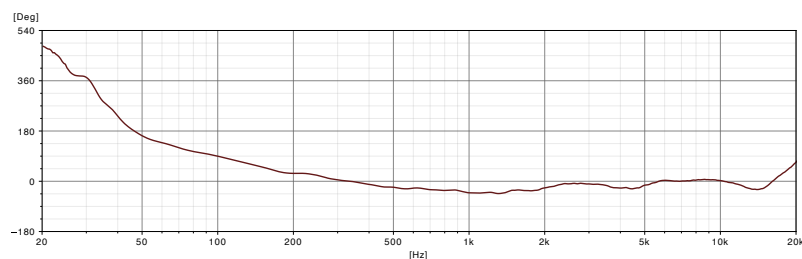
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



Acoustic Phase

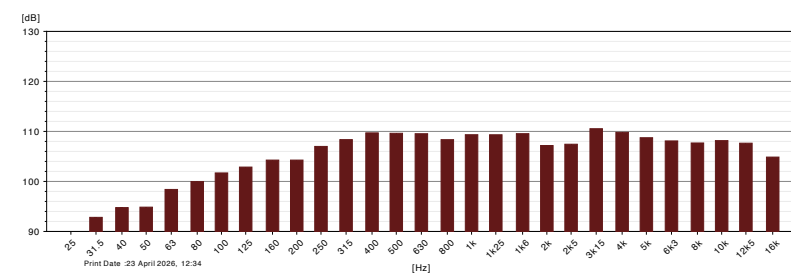
— Acoustic Phase

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



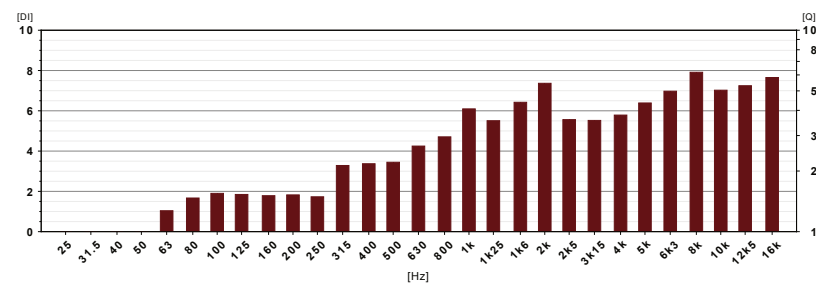
Max Continuous SPL

— Max Continuous SPL @ 1m



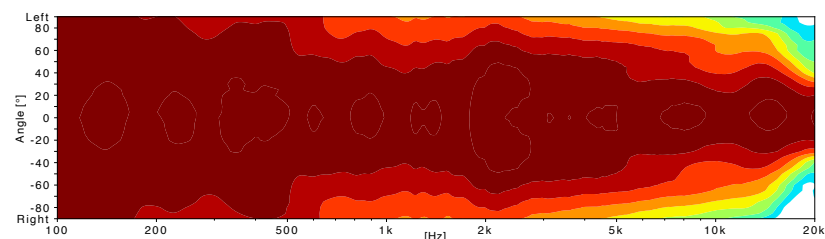
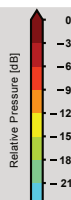
Directivity Index

— Directivity Index



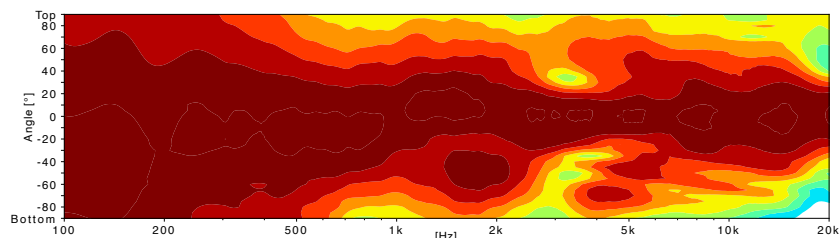
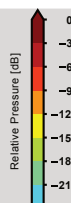
Horizontal Directivity

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

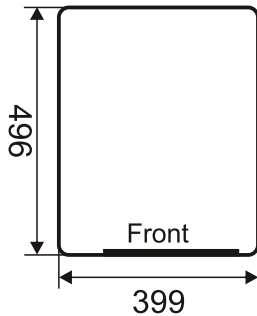


Vertical Directivity

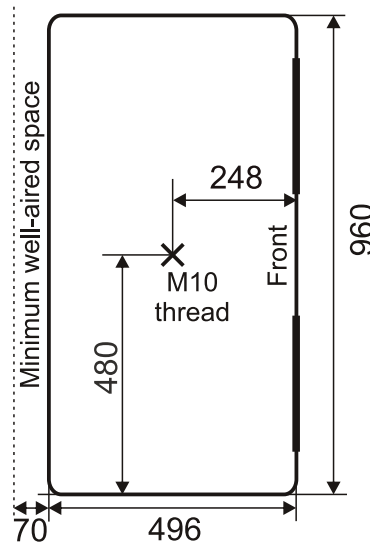
Frequency resolution: 1/36 Octave
Smoothing: 1/3 Octave



Mounting



Bottom view

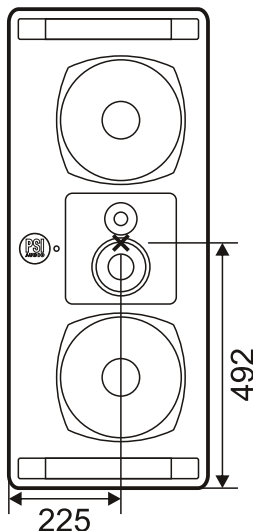


Side view

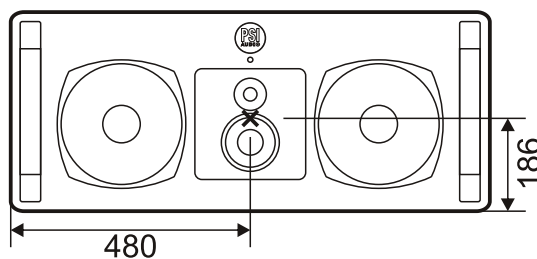
All dimensions are in mm

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 $\pm 0.5\text{ dB}$ Averaging 1/6 octave