



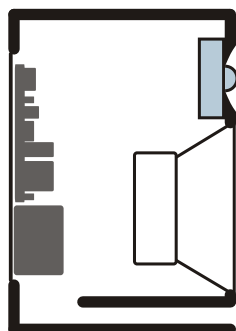
Technical data sheet

A17-M



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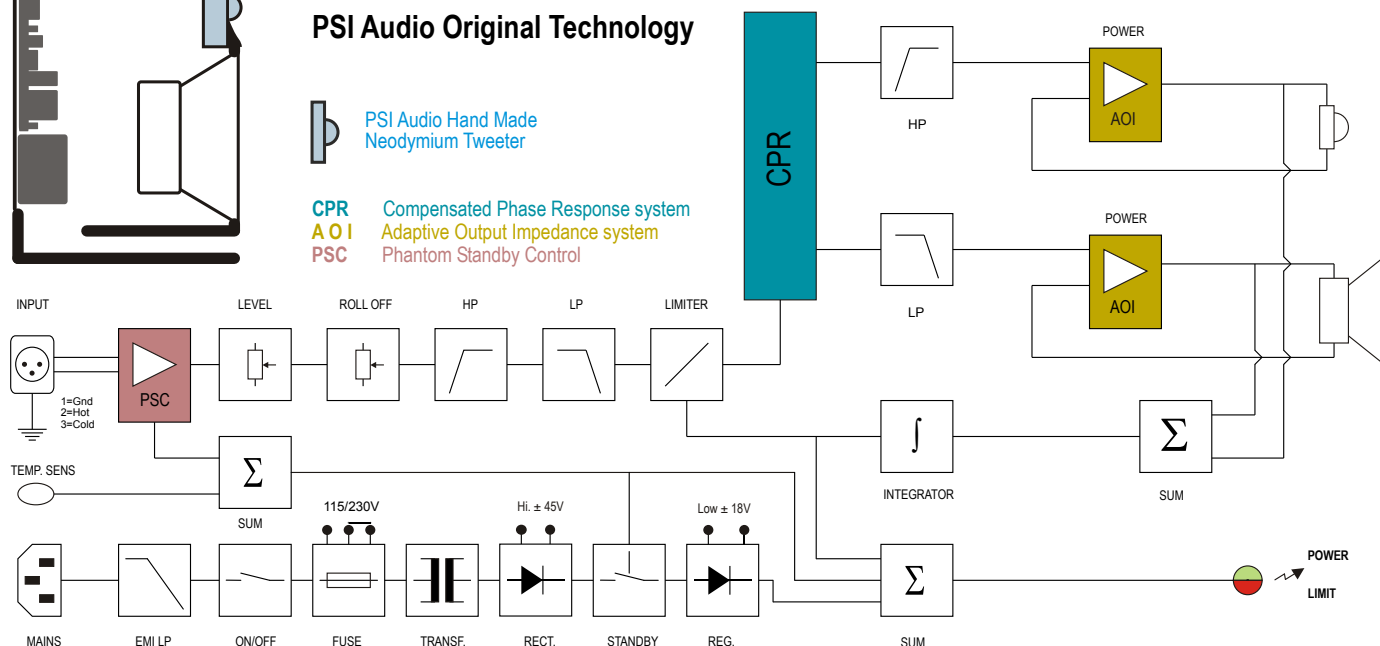


PSI Audio Original Technology



PSI Audio Hand Made
Neodymium Tweeter

CPR Compensated Phase Response system
AOI Adaptive Output Impedance system
PSC Phantom Standby Control



Potential peak power	170+45	W	Woofer ext. diam.	7.1	in
RMS power	47+7	W	W. diaphragm diam.	130	mm
Input impedance	Sym 10 kΩ	Ω	W. diaphragm diam.	5.1	in
Input sensitivity	0.775	Vrms	Tweeter ext. dim.	90	mm
Input overload	24	Vpp	Tweeter ext. dim.	3.5	in
Continuous max SPL@1 m	102	dB	T. diaphragm diam.	27	mm
Short term max. SPL@1m	105	dB	T. diaphragm diam.	1.06	in
Peak max. SPL@1m	115	dB	Dimensions W x H x D	200 x 320 x 230	mm
Background noise @1m	6	dBA	Dimensions W x H x D	7.9 x 12.6 x 9.1	in
Signal to noise ratio (S/N)	96	dBA	Net Weight	7.4	kg
Mechanical noise (i.e. transformer)	-9	dBA	Net Weight	16.3	lbs
Bandwidth at -6dB	44-23'000	Hz	Input connector	1 x XLR F / 3P	
SPL tolerances	±2.2	dB	Input connections	1=GND, 2=(+), 3=(-)	
Phase tolerances	± 45 (300 Hz – 20 kHz)	deg	Mains voltage	115 / 230(50-60Hz)	V, ±10 %
Dispersion (H x V)	75 x 40	deg	Mains max DC offset	0.47	V
Directivity Factor	SEE GRAPH		Standby consumption	1.3	W
Acoustic Power	SEE GRAPH		Quiescent consumption	8	W
Distortion THD	SEE GRAPH		Max continuous Power	100	W
System	2	ways	RMS continuous consumption	72	W
Crossover frequency	3'500	Hz	Max Relative humidity	70	%
Box Material	MDF		External temperature range	5-35	°C
Woofer ext. diam.	180	mm	Warranty	5 (+1)	years

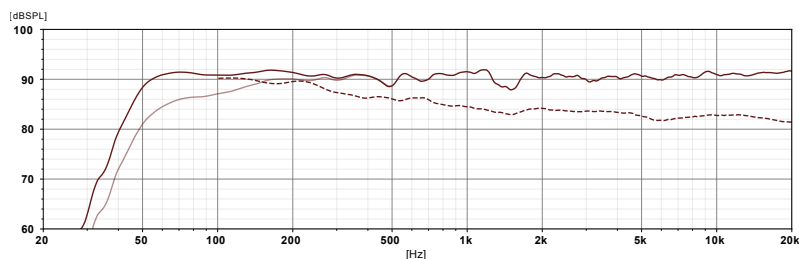
Measurement environment:

- 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

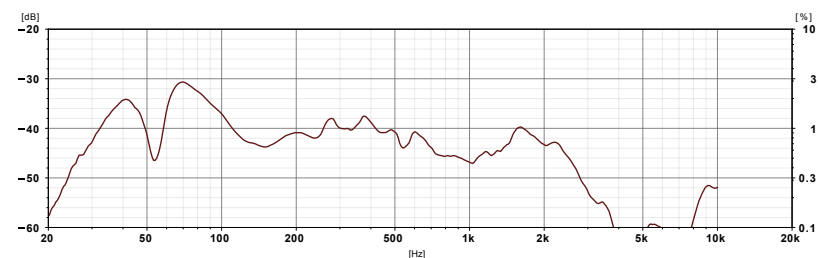
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



Total Harmonic Distortion

— THD@(-10dBu;1m)

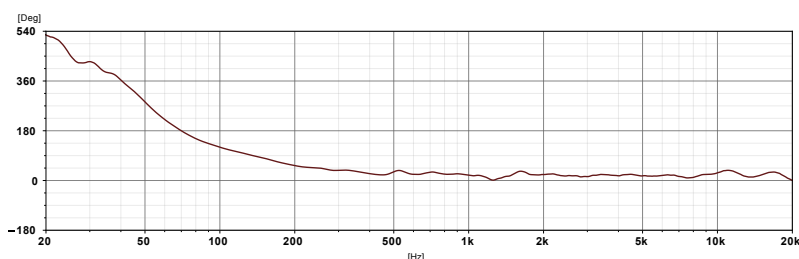
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



Acoustic Phase

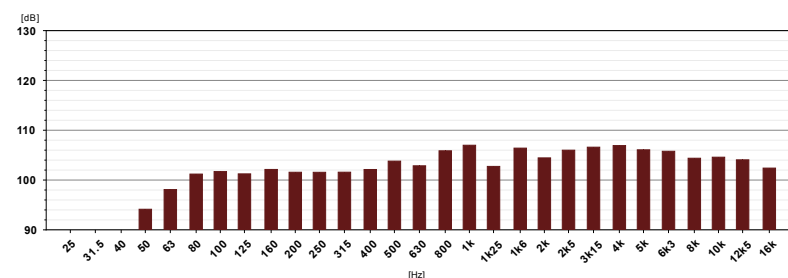
— Acoustic Phase

Delay: 0.26 [ms]
Resolution: 1/48 Octave
Smoothing: 1/6 Octave



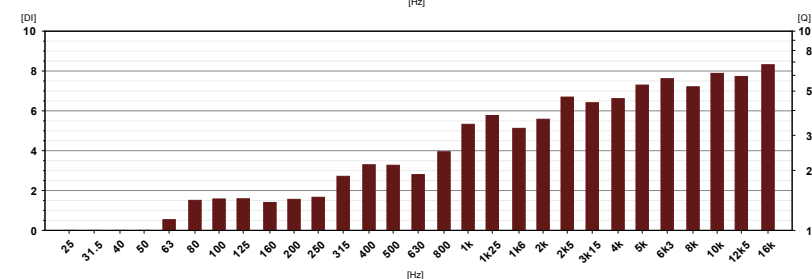
Max Continuous SPL

— Max Continuous SPL @ 1m



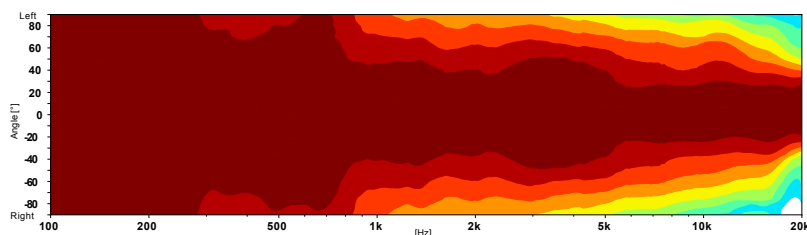
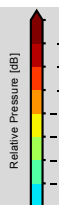
Directivity Index

— Directivity Index



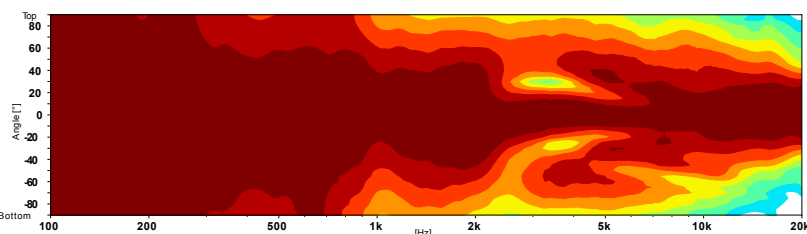
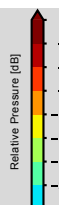
Horizontal Directivity

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



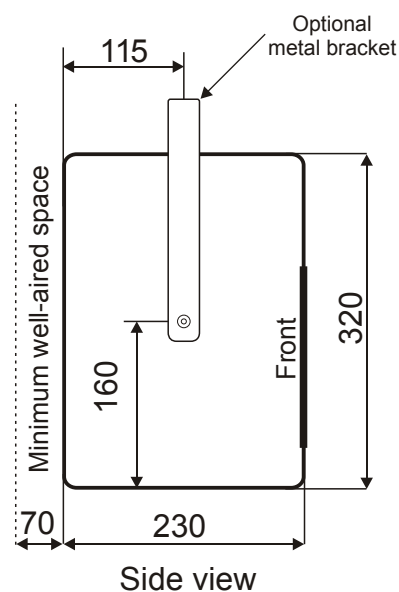
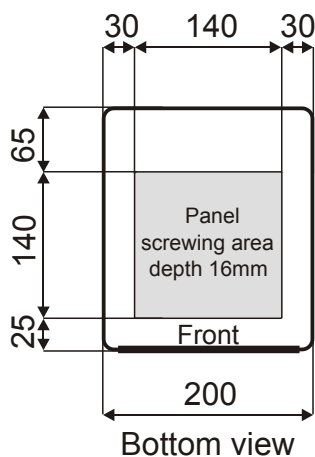
Vertical Directivity

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



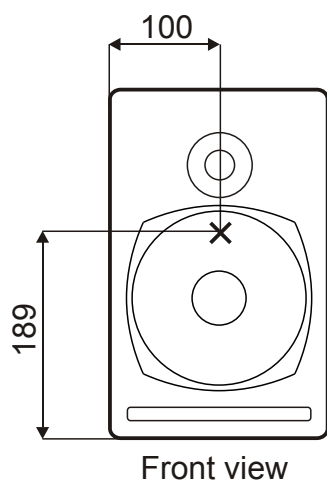
Mounting

All dimensions are in mm



Refer to user manual for information about installation and safety instructions

Acoustical axis



Recommended listening distance

