

Applications

- Compact subwoofer for PicoSpot
- Fixed installations
- Conference rooms, TV shows etc.
- Bars, pubs, mobile DJs

Features + Benefits

- 12" Neodym long-excursion woofer
- High power handling for perfect dynamics
- Light weight and compact dimensions
- Weather proof enclosure made of baltic birch plywood
- Finished in black Polyurea coating for horizontal and vertical use

The guideline to reducing the enclosure size to a minimum was only possible by using a proven speaker concept, a coaxial transducer. In this case a 5" speaker, built in a sealed enclosure to expand its availabilities. But what do we do with the heat inside if we power the speaker at 800W peak?

After being asked if so much power is necessary we wanted to make this possible and we did it.

Using a CNC milled aluminium horn takes care of this, perfect dispersion and its also a heatsink which removes the heat in the enclosure.

The used 5" special-high-density-ultracompllicated-heavy-duty-lightweight coaxdriver enables the Picospot to be used from 80Hz. It delivers a powerful sound which is not in tune with its size.

We have been supported on the development of this small marvel of technology from our passionate friends from Beyma: Pedro Enguidanos and Jorge Serrano. Together with the guys from our R&D they took care of that project which took 2 years and a lot of testing to get the heart of the Picospot beating.

There it is, a small, black and inconspicuous piece of audio. It is that compact that you can use it in a perfect way as a stage nearfill, at conferences, fashion shows, tradeshowes and anywhere that the highest audio quality and most compact dimensions are required.

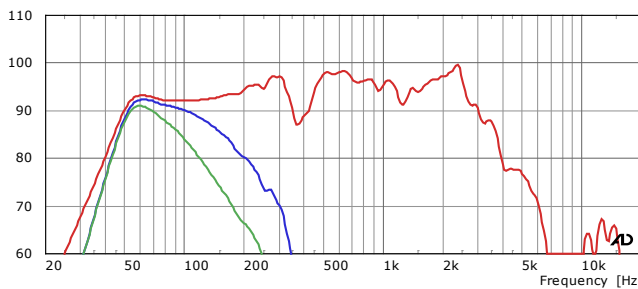


Type	PicoSub
Enclosure	15 mm heavily braced Baltic birch plywood w/ Polyurea coating
Basic layout	subwoofer, bass reflex tuned
Protective Grille	1.5 mm sheet steel, hex-stamped, black acoustic foam on inside
Components	12" long excursion ND woofer w/ vortex ventilated 3" voice coil
Frequency Response	44 Hz-370 Hz +/-3 dB,
Power handling RMS peak	450 W RMS 1.800 W Peak
Nominal Impedance	8 Ω
Dispersion pattern	Omni directional
Sensitivity	92 dB
SPLmax	125 dB (peak) @ 1m
Connectors	NL4: 2+/2-
Dimensions (w x h x d)	500 x 360 x 450 mm
net weight	21.4 kg
Accessories	transport cover

Horizontal coverage pattern

Vertical coverage pattern

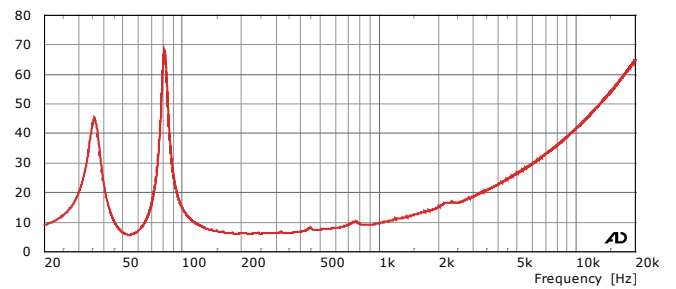
Sensitivity / Processed Sensitivity



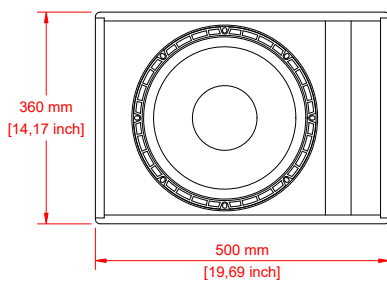
Notes on performance data and graphs:

- 2) Frequency response: Range of the processed response -6db
- 3) Power Handling: Is based on the AES power handling of the transducers.
- 4) Nominal Sensitivity: SPL at 1 Watt at nominal impedance, referenced to 1 Meter.

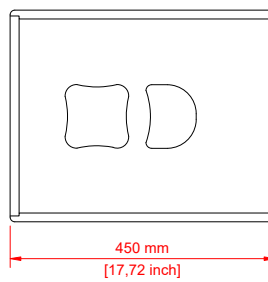
Impedance



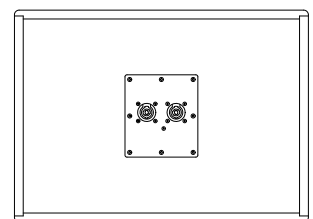
- 5) Measurement condition: Full space in the far field of the speaker. Time-windowed
- 6) Maximum SPL: Calculated from nominal sensitivity at stated peak input power.
- 7) Resolution: For better readability a 1/6 octave smoothing is applied.



Front



Side



Rear

