

Abraxas 26.1

2x8" Acoustic suspension subwoofer



Introduction

The Pequod catalog is enriched with a new line of ovoid subwoofers, extremely compact, designed around 8" quality long-excursion transducers. Abraxas is the system based on two 8" transducers. The double ovoid structure, interconnected, guarantees extreme rigidity. Made of composite materials, it guarantees extreme reliability and resistance to impacts, scratches and atmospheric agents, together with extreme lightness.

The close correlation with the larger system, Borea, based on a 12" transducer, is immediately evident.

About Abraxas we find the same characteristics, in relation to precision and extreme cleanliness of emission. Extreme control and absence of perceptible distortions are fundamental characteristics of the new Abraxas system. The chosen transducers are 8" long-stroke, extremely high-performance, with a treated and damped paper cone, with a generous ferrite magnetic system, and a 2" voice coil. The overall performance makes it suitable for small spaces where extreme quality is required in the reproduction of low frequencies. The system is extremely compact and suitable for being placed in small areas or with irregular geometries. The typical aesthetics of our products also in this case allows us to combine elegance, compactness, rigidity and functionality in a quality system.



Features

- Strong impact from the visual point of view
- Special ultralight anti-resonance shell structure
- Excellent sound quality at all power levels
- Perfect adaptability to any musical genre
- Heavy duty composite construction, resistant to scratches and bumps
- Completely weather resistant (on request)
- Engineered for easy maintenance and repair
- Technologically advanced design
- Light weight for easy transport
- Simple installation and interface
- Customization of color and surface

Applications

- Small intimate spaces
- Small outdoor events
- Small-scale live events in need of a high sound quality

Max Size of audience within the range of dispersion

Indoor 80
Outdoor 50

(Recommendations vary depending on the type of subwoofer)



Architectural Specifications

Abraxas is a long excursion acoustic suspension subwoofer in a double ovoid structure. Built from high-quality composite materials, highly resistant to damage from scratches and bumps. Absolute resistance to rain and sun. All metal parts are built from stainless steel. Abraxas sensitivity is 92dB 1W/1m; the woofers are 8" (210mm), ferrite ring, 8 Ohm each; 400W nominal power handling, 800W power on the continuous program is the recommended amplifier power to exploit, fully, the transducer without any clipping in the amplifier.

The Full-Fat audio FFA 4004 is the recommended amplifier for this solution.

Warning

This is a professional audio system with very high efficiency and sensitivity with acoustic emissions that could potentially cause hearing damage. Installation and use intended for experienced and qualified personnel. Safety DSP devices with a limiter function are recommended.

TYPE	2x8" Acoustic suspension subwoofer
FREQUENCY RESPONSE	45 Hz – 1.5 KHz (-3dB)
TOTAL SENSITIVITY	92 dB 1W/1m
SPL MAX	120 dB with 800 W
LOW FREQUENCIES	2x8" woofer @ 4 Ohm 800W continuous power handling, sensitivity 92 dB 1W/1m
NOMINAL IMPEDANCE	4 Ohm
POWER HANDLING	800W @ 4 Ohm with amplifier
MANAGE	2 Ch amplifier to a couple of Abraxas (stereo)+DSP to match to satellite. High-pass filter @40Hz, 24 dB/oct. But; Low-pass filter @100-120Hz, 24 dB/oct. LR
RECOMMENDED AMPLIFIER	Full Fatt Audio FFA 4004
DISPERSION	Omnidirectional
CONSTRUCTION MATERIALS	Fiber-reinforced composite, stainless steel
FINISH	all ral color and texture on order
PROTECTIVE GRILLES	Abraxas is usually sold with these grids to protect the 8" woofer, as standard
CONNECTORS	1x Neutrik NL4 or custom preference
DIMENSIONS (without support)	(W) 730mm (H) 385mm (D) 440mm (W) 29 inch (H) 15 inch (D) 17.3 inch
WEIGHT	11 Kg (24 lb)

