

Fostex

PRINTED RIBBON SPEAKER SYSTEM

GZ2001 GZ1001



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Archiv Michael Otto

Fostex



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THE PRINTED RIBBON PLANER LOUDSPEAKER WITH AN ARTISTIC BLENDING OF HIGH TECHNOLOGY.

The GZ Series of high performance speaker systems has been developed in pursuit of true fidelity reproduction throughout the audible spectrum. These absolutely natural and live sounding systems make you forget about the speaker source, so clearly is the acoustic image positioned within the rich sound field. A true dipole radiator design provides startling front-to-back depth perception. The GZ Series directly represents the achievement of true fidelity—not only for traditional music, but also for new sonic dimensions—with accurate reproduction of all information from any type of program source.

THE PRINTED RIBBON PLANER LOUDSPEAKER—PATENTED TECHNOLOGY.

The GZ Series employs the Fostex RP (Regular Phase) principle embodied in the acclaimed Printed Ribbon Microphone Series, a technology protected by 19 patents pending. An extremely thin and lightweight diaphragm is used whose entire effective plane is driven at the same phase. The mass is small and uniformly driven, which results in high efficiency and durability not found in similar units. This is a unique loudspeaker with all the classic characteristics: flat frequency response, high definition, superior transient response, low distortion and unusually good front-to-back depth perception.



EDGELESS WOOFERS SLE34W (GZ2001) AND SLE24W (GZ1001) — ARTICULATE REPRODUCTION OF THE FUNDAMENTALS.

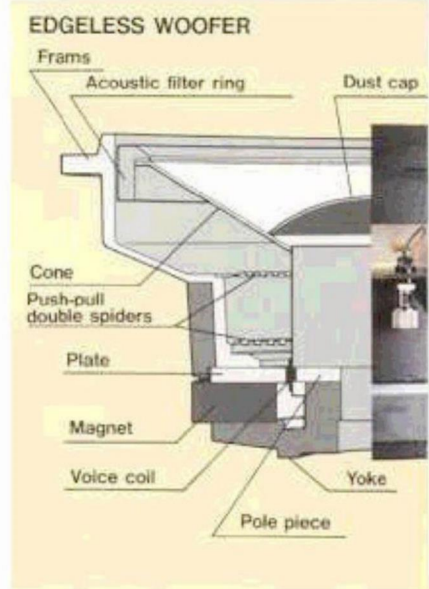
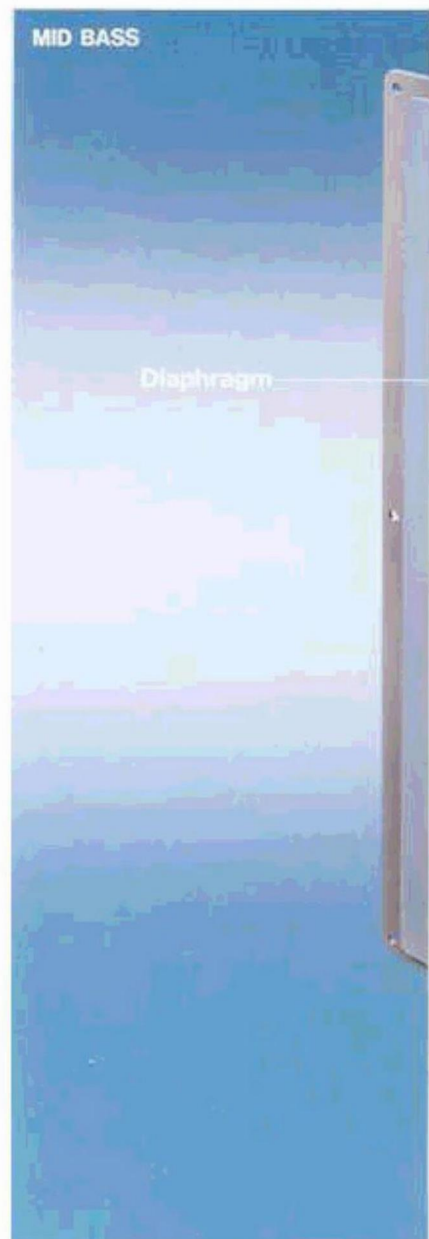
The cone surround, weak point of most cone woofers, is completely eliminated in the SLE34W and SLE24W. An acoustic low pass filter in the form of a slotted ring replaces the conventional cone surround. The voice coil/cone assembly is supported by push-pull, distortion-cancelling double spiders. Employing also a super heat-resistant voice coil, this special synthetic material (SM) cone reproduces powerful and articulate low frequency sound—the fundamentals of music. Of particular note are the excellent transient response and low distortion—the perfect complement to the Printed Ribbon Planer Loudspeaker.

MID-BASS FS41RP (GZ2001)—ACCURATE REPRODUCTION OF IMPORTANT BASS HARMONICS.

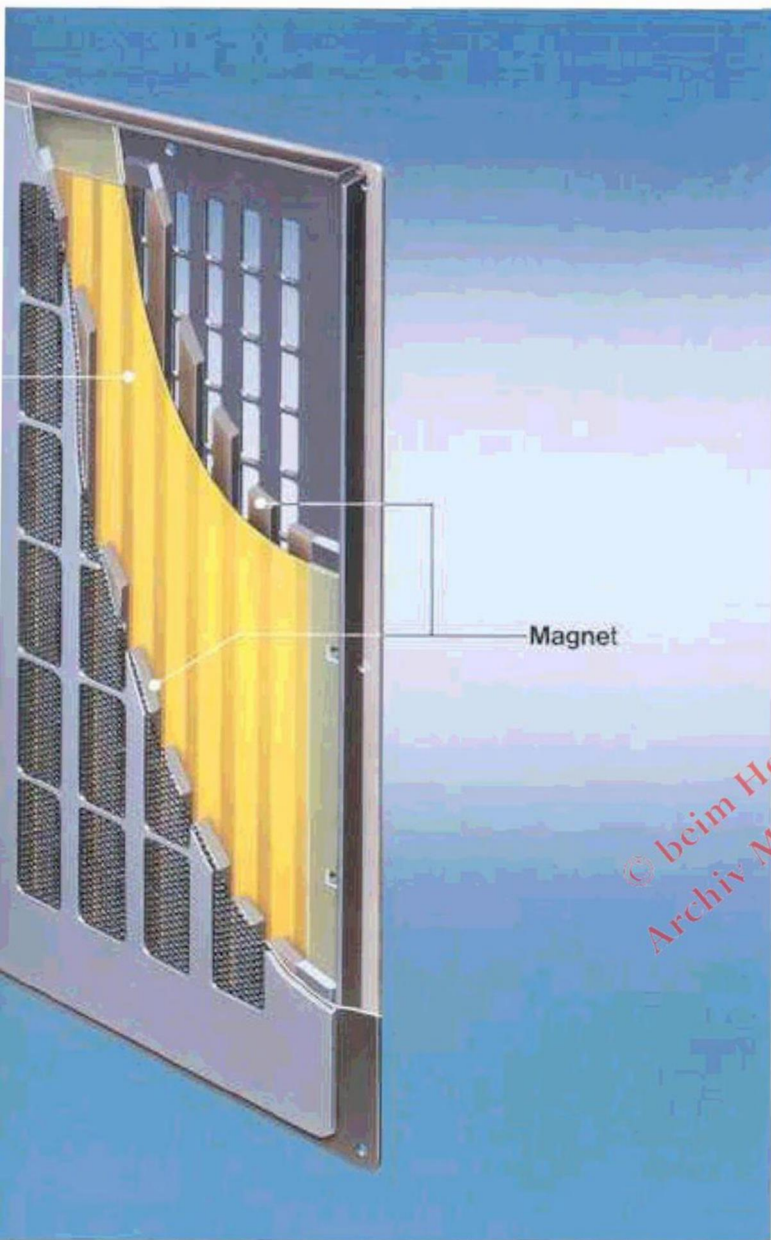
With the tremendous progress in music program sources, the role of the mid-bass is becoming increasingly important. In the nearly perfect GZ2001 4-way speaker system, the mid-bass FS41RP handles the important 200 Hz–1 kHz range, a key to excellent sound reproduction. A powerful magnetic circuit uses a 1.8 kg. high coercivity ferrite magnet. The planer diaphragm is made of polyamide film, onto which the high density voice coil is precision etched. The result: brisk and lively mid and mid-bass reproduction.

SUPER TWEETER FT7RP—HIGH FIDELITY REPRODUCTION CLEAR UP TO 45 kHz.

The super tweeter FT7RP boasts a flat, non-distorted response clear up to 45 kHz, far beyond the audible range of human hearing. The 12.5 mm effective width diaphragm is made from an extremely lightweight polyamide film of 12.5 μ thickness, and it is formed in a special rib pattern. Dispersion is further enhanced by making the front and rear dimensions of the magnet assembly non-symmetrical. This super tweeter employs a Samarium Cobalt magnet 3 times more powerful than conventional units. Due to this design, super high frequencies and important musical harmonics are faithfully reproduced in a wide dispersion pattern.



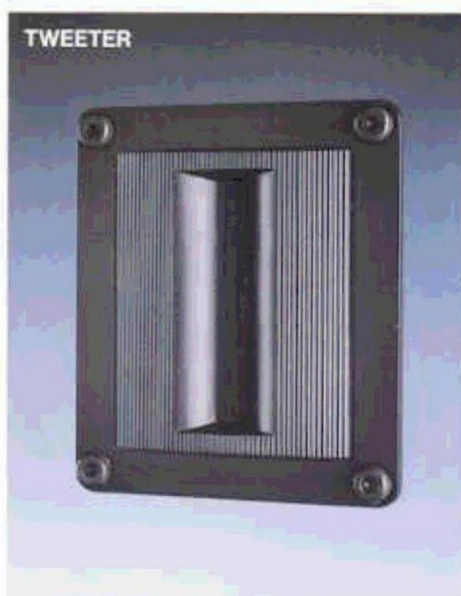
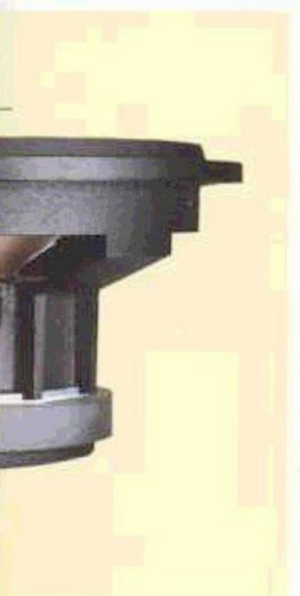
SUPER LONG EXCURSION (SLE) EDGELESS WOOFER



MIDRANGE FS21RP (GZ2001, GZ1001) – TRUE DIPOLE RADIATOR FOR THE HEART OF THE MUSIC.

Although its size is about half that of the mid-bass, the midrange construction is identical. The system consists of a flat coil diaphragm with a polyamide film as the base material, and a powerful magnetic circuit of high flux density through the use of a high coercivity ferrite magnet. This driver possesses superior

acoustic response in the mid and mid-high regions (1 kHz–7 kHz). The construction is such that sound is symmetrically projected from both the front and the rear. This true dipole radiator design reproduces the heart of the music with astonishing depth and clarity.



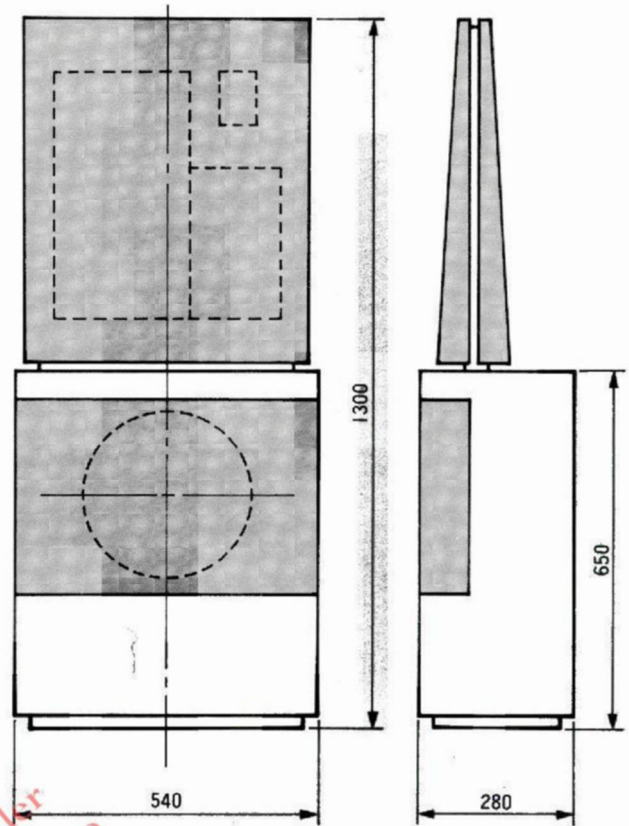
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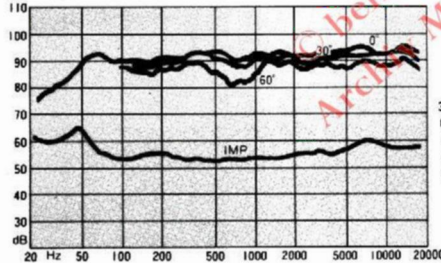
SPECIFICATIONS

	GZ2001	GZ1001
Impedance [Ω]	6	6
Frequency range [Hz]	30 - 45,000	40 - 45,000
Output sound pressure level [dB/W (1 m)]	92	90
Input [W (Mus)]	150	100
Driver complement	SLE34W FS41RP FS21RP FT7RP	SLE24W FS21RP FT7RP
Enclosure type	Sealed	Bass reflex
Weight [kg.]	45	25

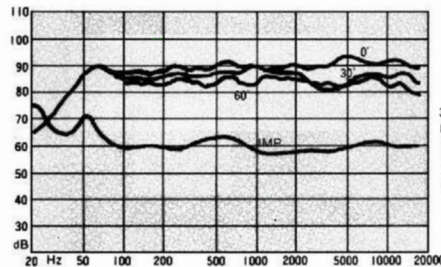
GZ2001 EXTERNAL DIMENSIONS



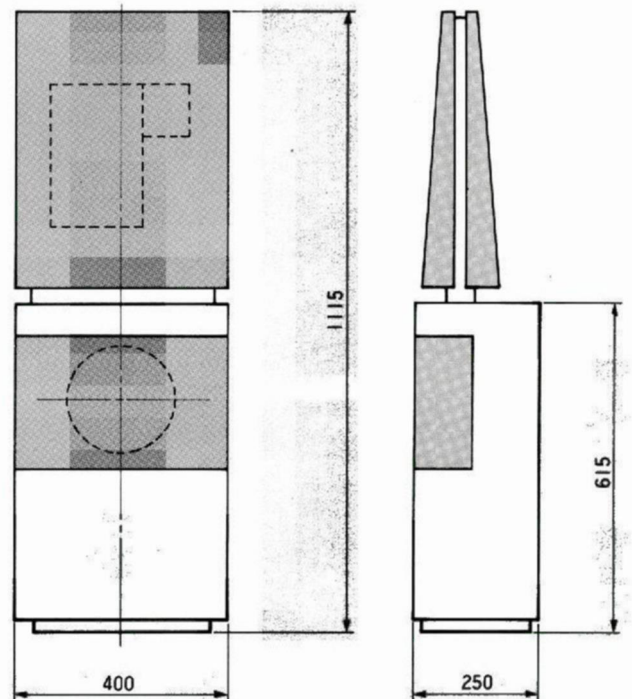
GZ2001 FREQUENCY RESPONSE



GZ1001 FREQUENCY RESPONSE



GZ1001 EXTERNAL DIMENSIONS



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