



Specifically designed and  
manufactured to obtain the  
best reproduction from modern  
high fidelity component systems.



LINN  
ISOBARIK

# Specifications

## TYPE

A domestic loudspeaker system capable of giving results of the highest category manufactured in high density chipboard and veneered with quality veneers.

## DRIVE UNITS

Five Drive Units are arranged to give realistic dispersion while maintaining an accurate positional image. Essentially a three-way system with crossover points at 375 Hz and 3000 Hz. Two additional units are directed upwards to ensure a smooth off axis response. The base driver is of the Isobarik Type (World Patents Pending) which gives low frequency performance not normally associated with a moving coil transducer. Distortion figures for this base unit approximate those normally associated with high quality mid-range units.

## CROSSOVER

The Crossover is made from quality components and is capable of handling sustained high power levels without saturation or heating problems within the performance range of the loudspeaker.

## POWER REQUIREMENTS

The loudspeaker requires to be driven by an amplifier with a minimum of 50 Watts RMS per channel. Amplifiers of up to 500 Watts per channel can be utilised on programme material. Due to the revealing characteristics of the loudspeaker, it is essential that the amplifier can deliver its rated output from very low frequencies without intermodulation or other distortion problems which are clearly audible when driving the Linn-Isobarik DMS Loudspeakers whilst this may not be the case with other fine loudspeaker systems.

## DIMENSIONS

The main body of the loudspeaker is 15" (38.1cm) x 15" (38.1cm) x 30" (76.2cm). In addition, the grills protrude approximately 3/4" (1.9cm) above and in front of the loudspeaker cabinet. It is considered desirable that the loudspeakers are elevated from the floor in most domestic situations.

## PLACEMENT

The Linn-Isobarik is designed to function within a domestic environment, and as such it requires careful positioning. In most rooms the speaker should be close to the wall, and about 2' to 3' away from the nearest corner. It is also desirable that the top of the loudspeaker is about 5' to 6' from the ceiling of the room. The tweeter should be close to ear level, when the listener is seated in the room. The speaker may be angled inwards through an angle of less than 20°.

## GENERAL

The Linn-Isobarik DMS Loudspeakers are broadly capable in a domestic listening environment of reproducing sound from 20Hz to 20K with a few dB variations. The loudspeaker does reproduce signal from very low frequencies, 10Hz and below, and is essentially devoid of any cabinet resonance. In addition it is less susceptible than normal to room loading and can be used in small rooms with no disagreeable resonance problems. Due to the nature of the loudspeaker design it is essential that the prospective purchaser evaluates the loudspeaker in his own listening room before finalising his choice. There are some circumstances under which an equally pleasant sound may be secured from a less complex, and or alternatively, a less costly system.

## FUNCTION

The basic design function of the Linn-Isobarik DMS Loudspeaker is to produce a loudspeaker which is capable of producing high sound pressure levels without undue distress across the entire audio spectrum. The loudspeaker achieves this design function with very low distortion levels, particularly at lower frequencies than most speakers can acceptably reproduce. The speaker, however, is a specialised product which can only be purchased through specialist outlets who are capable of arranging home demonstrations and have the requisite ancillary products which compliment the Linn-Isobarik DMS Loudspeaker.



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