

## U.S.A. CONSUMER SUGGESTED FAIR VALUE PRICE

<u>MODEL</u>		<u>PRICE</u>	<u>DELIVERY</u>
	<u>Power Amplifier</u>		
D-100		995.00	Stock
	<u>Crossovers</u>		
PC-3 (Passive, for 2 D-100, T-ID Only)		59.50	Stock
EC-5		595.00	August 1, 1977
	<u>Pre-Amplifiers</u>		
SP-4		895.00	Stock
SP-5		595.00	2 Weeks
	<u>Speakers</u>		
MAGNEPLANAR* Tympani IC (2 Way full range system-8 ohm) (T-IC)		1395.00	3 Weeks
MAGNEPLANAR* Tympani ID (2 Way full range system-4 ohm) (T-ID)		1395.00	2 Weeks
MAGNEPLANAR* Tympani IIIA (3 Way full range system) (T-IIIA)		1945.00	4 Weeks
MAGNEPLANAR* Tympani IIIA-TM (Treble-Midrange-2 Panels) (T-IIIA-TM)		1020.00	4 Weeks
MAGNEPLANAR* Tympani WA (Bass) (T-WA)		925.00	4 Weeks
(All speakers are supplied with appropriate quantity of accessory feet)			
(T-IC is for bi-amped commercial applications requiring SPL over 100 dB)			
	<u>Accessories</u>		
MCP-1 (Moving coil Pre-Preamp for SP-4/5 only)		150.00	1 Week
RPR-1 (Remote Control Power Receptacle for sequential on-off switching of multiple high-powered amplifiers, etc.)		299.50	1 Week
RC-1 (Deluxe 19" Rack Cabinet)		325.00	1 Week
WC-2 (Deluxe Wood Cabinet for SP-4/5, EC-5)		75.00	August 1, 1977
WC-3 (Deluxe Wood Cabinet for D-100)		79.50	August 1, 1977
T1-B1 (Speaker Feet)		44.50	Stock
<u>Modifications (At factory only, see appropriate Newsletter)</u>			
SP-3 to SP-3A-1		200.00	3 Weeks
SP-3A to SP-3A-1		25.00	3 Weeks
EC-2 to EC-2A		75.00	3 Weeks
EC-3 to EC-3A		225.00	3 Weeks
EC-4 to EC-4A		75.00	3 Weeks
D-50 thru D-50D to D-50G		250.00	To be announced
D-50D-1 thru D-50F-1 to D-50G		250.00	To be announced
D-50F-1A and D-50F-1B to D-50G		150.00	To be announced

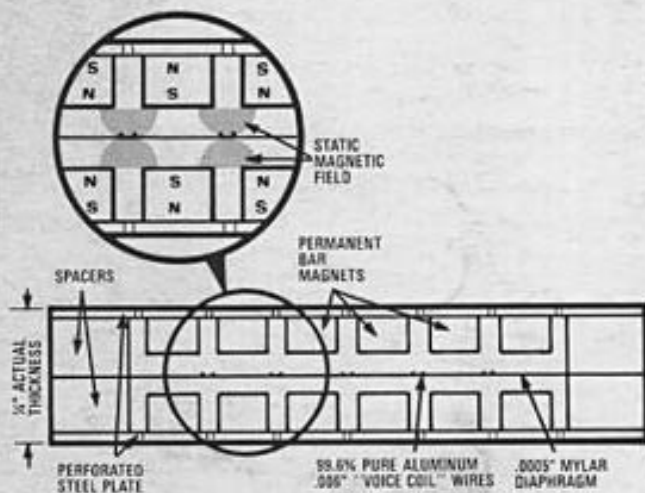
AUDIO RESEARCH™ reserves the right to change prices and/or specifications without notice.

This price and delivery schedule supersedes all previous schedules.

## Magneplanar<sup>®</sup> Tympani Loudspeakers

In recent years several radically new speaker designs have been introduced. Each attempts to make an imperfect mechanical device simulate a theoretically perfect speaker. Enter the MAGNEPLANAR — a unique, important advancement, offering advantages in music reproduction not possible in other designs.

The MAGNEPLANAR speaker combines the best technical characteristics of electrostatic and dynamic loudspeakers with design advances that are covered by U.S. and foreign patents. The MAGNEPLANAR was recognized by a group of scientists in this country as one of the most significant inventions of the year 1973. The U.S. patent office has also recognized its technical significance by displaying and demonstrating the MAGNEPLANAR speaker at National Inventors' Day in Washington, D.C. in 1973 and 1974.



Cross-section Tympani IIIA and Tympani 1B Tweeter



### FEATURES

- Low-mass Mylar diaphragm with controlled tension provides critical damping.
- Low diaphragm breakup.
- No speaker cabinet to cause resonance, loading problems, or transient degradation.
- Linear power response — no compression of dynamic range.
- 8 ohm power amplifier load throughout the audio range with essentially no inductive or capacitive reactance.
- High power handling.
- No high voltage or arcing problems.
- Not sensitive to humidity, temperature variations or dust.
- Folding floor screen design.
- Available in off white or black decorator fabrics.

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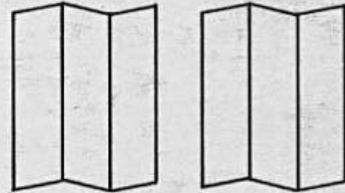
Box 6003/Minneapolis, Minnesota 55406

AUTHORIZED DEALER

# MAGNEPLANAR TYMPANI LOUDSPEAKERS

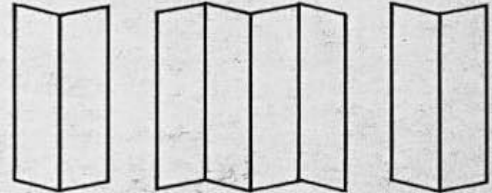
## MAGNEPLANAR Tympani IB

The basic Tympani speaker. Fits most acoustical environments adequately. Offers a maximum of frequency range and performance with a single amplifier. When optimally placed in rooms approximately 12' x 18' and larger, can provide extremely realistic music reproduction. May be bi-amplified for increased sound levels.



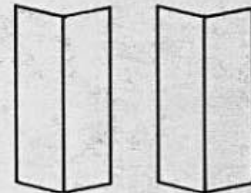
## MAGNEPLANAR Tympani IIIA

Designed for audio perfectionists who demand the ultimate in speaker performance. A three-way system requiring two separate stereo amplifiers for the bass and the tweeter/mid-range. Connections are available for tri-amplification. All components in the audio chain must be of the highest quality if the full capability of the Tympani IIIA is to be realized.



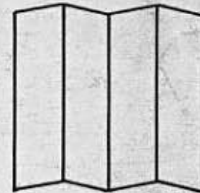
## Tympani IIIA-TM Tweeter/Mid-range Panels

Individual tweeter/mid-range panels are available for use with other types of bass reproducers for audiophiles who plan to improve their systems gradually, or whose space limitations preclude use of the Tympani IIIA bass panels.



## Tympani IIIA-W Bass Panels

May be added to any of the Tympani speakers for additional bass support, or to other good speakers such as full-range electrostatics. The 4-section bass panels deliver sound quality unequalled by any other bass unit, with none of the "muddy" bass so common in other speakers.



## SPECIFICATIONS:

	Tympani IB	Tympani IIIA	Tympani IIIA-TM	Tympani IIIA-W
Response:*	45 Hz-18 kHz ± 3dB 38 Hz-20 kHz ± 5dB	42 Hz-18 kHz ± 2dB 38 Hz-20 kHz ± 4dB	100 Hz-18 kHz ± 2dB 100 Hz-20 kHz ± 4dB	42 Hz-3 kHz ± 2dB 38 Hz-3 kHz ± 4dB
*Due to bi-polar radiation, bass response is dependent upon speaker placement and room geometry.				
Power Handling:*	350 Watts	300 above 100 Hz 300 below 100 Hz	300 above 100 Hz	300 below 100 Hz
*The unclipped, MUSICAL output of single amplifiers with these power ratings per channel may be safely used (assuming the normal distribution of power in music). Sine wave testing or program material with a large power distribution above 1600 Hz (causing the tweeter diaphragm to melt) will invalidate the warranty.				
Sensitivity:	10w RMS — 500 Hz 94dB @ 6'	10w RMS — 500 Hz 97dB @ 6'	10w RMS — 500 Hz 97dB @ 6'	10w RMS — 70 Hz 96 dB @ 6'
Impedance:	8 ohms resistive, essentially no inductive or capacitive reactance, all models.			
Internal Crossover:	LC — 1600 Hz* 6dB/octave	LC — 1600 Hz** 6dB/octave	LC — 1600 Hz* 6dB/octave	Not applicable
*May be bi-amplified with external crossover. (1000 Hz crossover recommended)				
**Requires external 100 Hz crossover and 2 amplifiers. May be tri-amplified. (100 Hz and 1000 Hz crossover recommended)				
Dimensions:	Two 3-section screens*	Two 2-section screens* (tweeter/mid-range) One 4-section screen (bass)	Two 2-section screens	One 4-section screen
*(Each section 72" high, 16" wide, 1" deep.)				
Shipping Weight:	160 lbs.	195 lbs.	98 lbs.	97 lbs.

Optional feet available — Model TI/BI

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