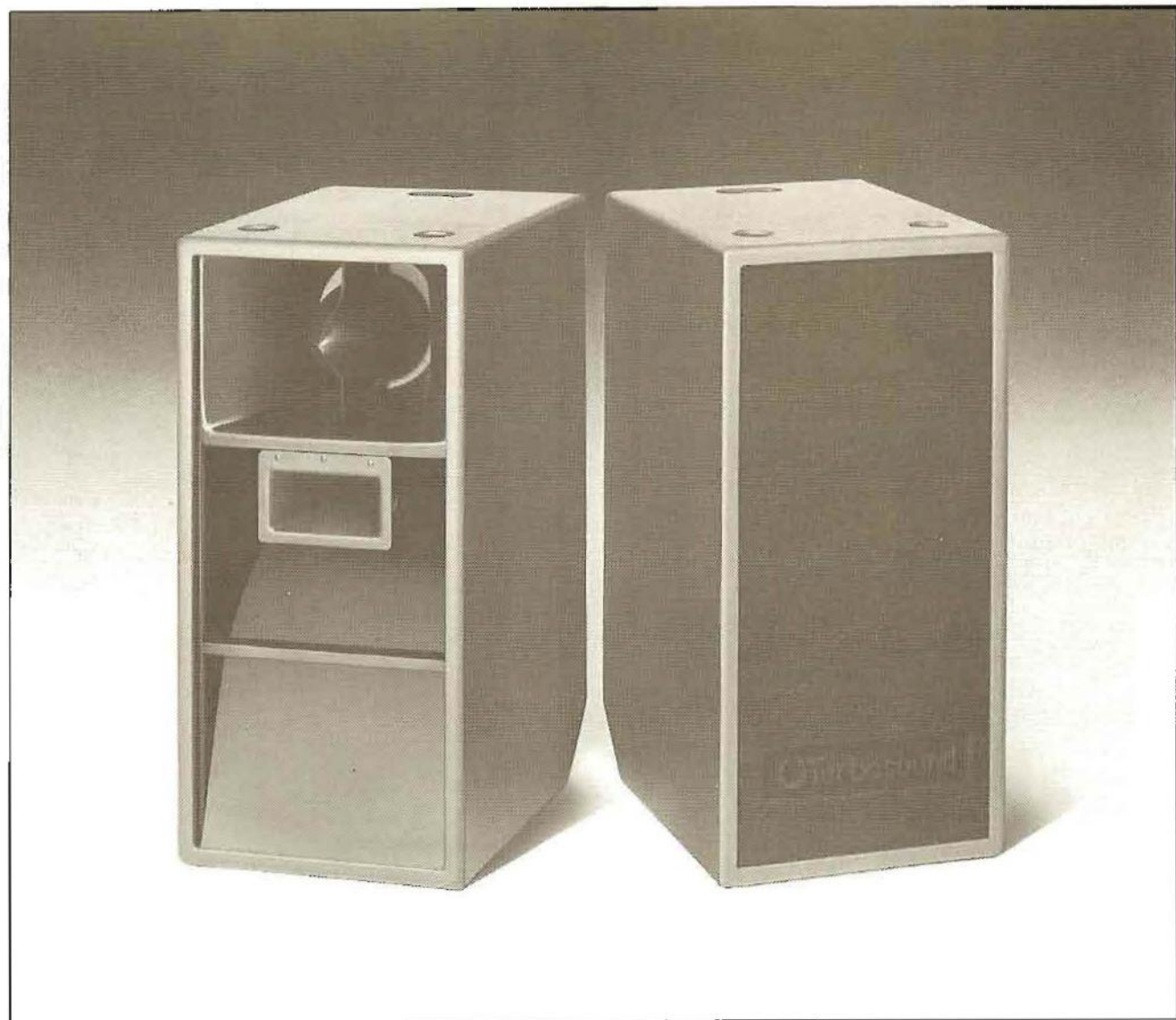


TIMS-2A



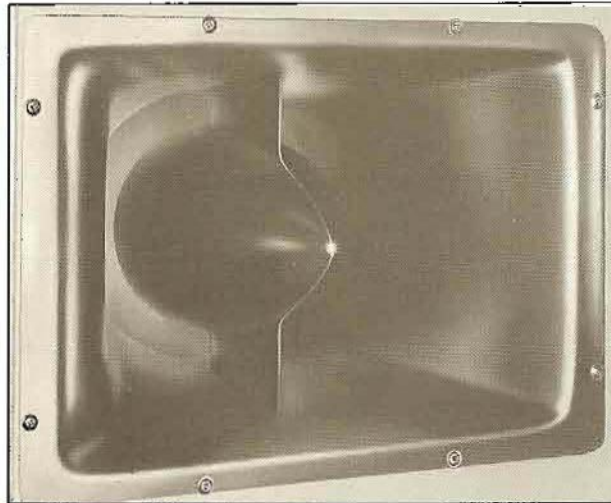
 **TurboSound<sup>®</sup>**

BI-AMPED 3-WAY FULL-RANGE PROFESSIONAL SOUND REINFORCEMENT ENCLOSURE

## TMS-2A

The TMS-2A is a bi-amped\* 3-way line array speaker enclosure, featuring Turbosound's unique design principles in a compact, full-range package.

The TMS-2A suits any application where compactness and ease of handling are as important as top audio quality. It's ideal for theatres, halls, clubs, small band reinforcement and discotheques (where it can be used in conjunction with the TSW-124 sub-woofer).



Patented TurboMid™ device

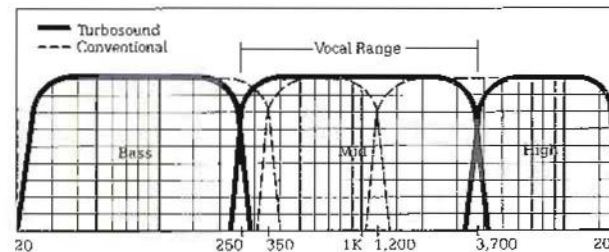
The drive units are: a custom-designed 15" bass driver, loaded with a patented TurboBass™ device; a 10" midrange driver, again made to our own specification, and loaded with a patented TurboMid™ device, and a modified 1" high frequency driver loaded with a proprietary flare.

The TMS-2A is a phase and amplitude



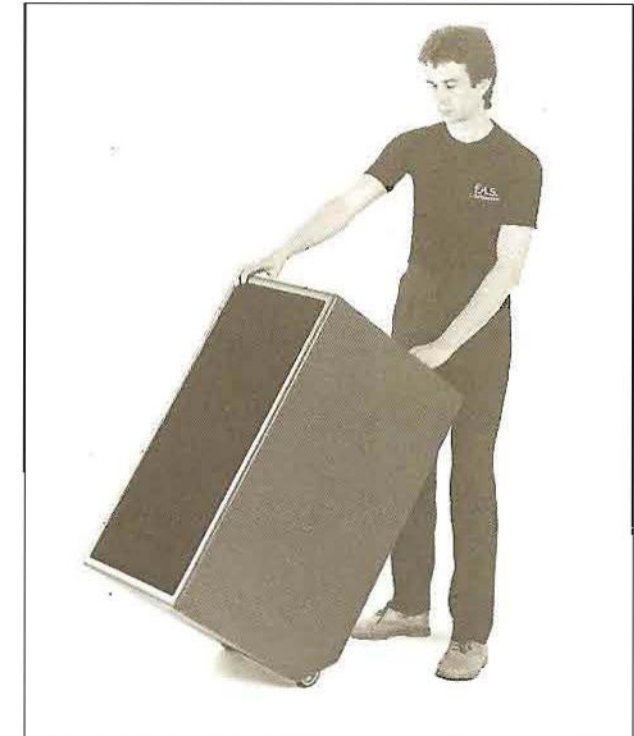
Connectors, HF level control and specifications

aligned full-range unit, with a frequency response of 65Hz – 17kHz ±3dB; power handling is 400W RMS (800W program) and the maximum peak SPL is 133dB.



The TurboMid™ device creates a seamless midrange covering the entire vocal range.

The enclosure projects a controlled, cohesive wavefront with excellent transient response, very low distortion and highly accurate reproduction of the vital midrange, while the 'high-Q' design produces a tight 'beam' of sound, which makes it ideal for multiple-unit arrays.



Compact design with integral castors for easy handling.

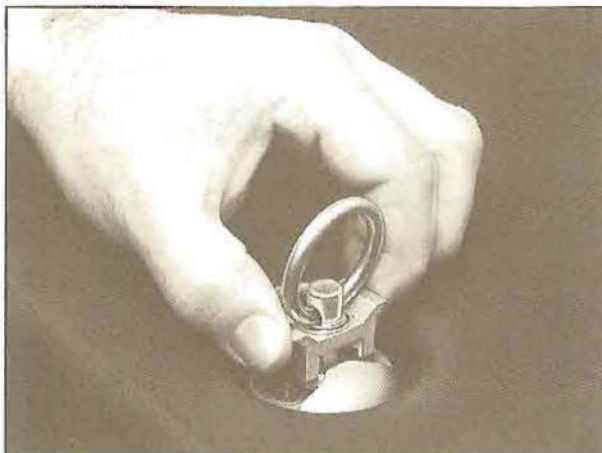
The rugged, compact TMS-2A enclosure measures a diminutive 34½ × 17 × 22¾" and is built from 5/8" Finnish birch ply throughout for long-term durability. A pair of 'tiltback' castors is built-in for easy handling.

\*Optional passive

The compactness of Turbosound's enclosures, and their light weight, make them ideally suited for flying.

To make the most of this capability, each Turbosound full-range enclosure is designed to make the rigging of a flown system as straightforward as possible.

For the TMS-2A, optional flying rings are available which bolt into factory-fitted mounting points on the top and back of the cabinets.



Built-in mounting points for optional flying rings

By adjusting the rigging system's tensions it's a simple matter to achieve the correct dispersion angle between units. The engineer can arrange the system to get as close to the point-source ideal as possible with minimal rigging problems and fast set-up and take-down times.

Turbosound flying equipment is built to a highly robust standard, encompassing the most stringent safety regulations when used correctly.

Dimensions	34½"H × 17"W × 22¾"D (86.5cm × 43.2cm × 57.8cm)
Weight	106lbs. (48kg.)
Components:	
Bass	1 15" LF driver on a TurboBass™ device; 250 watts RMS, 500 watts Program; 8 ohms
Mid/High	1 10" MF driver on a TurboMid™ device; 1 1" HF driver on a proprietary flare; 150 watts RMS, 300 watts Program; 16 ohms
Frequency response <sup>1</sup>	65 – 17,000 Hz ± 3dB 60 – 18,000 Hz +3/-6dB
Phase response	Coherent over stated bandwidth
Dispersion <sup>2</sup>	70°H × 70°V at -6dB points
Power handling	400 watts RMS, 800 watts Program
Sensitivity <sup>3</sup>	104dB 1 watt/1 meter (Average) 107dB 1 watt/1 meter (Peak)
Maximum SPL <sup>4</sup>	125dB (Continuous) 133dB (Peak)
Crossover	Bi-amped <sup>5</sup> ; recommended point 250 Hz, 24dB/octave slope
Construction	15mm Finnish birch ply, rabbeted, sealed with marine glue, and finished in Trimite semi-matt TurboBlue <sup>6</sup> paint
Protective grille	1" 30 PPI fully reticulated foam
Connectors	3 pin XLR; 2 male, 2 female
Flying	Optional ring-type flying points
Hardware	HF attenuator 2 recessed handles Optional heavy duty cover
Transport	2 heavy duty 3" "tip-back" castors
Please note	No tools required for any part of TMS-2A operation

All measurements are actual figures taken from real-time testing using stated inputs, free from any filtering or weighting, rather than treated inputs and/or calculated figures used by many manufacturers. Therefore, actual performance of the TMS-2A may substantially exceed that of loudspeaker systems with higher published ratings.

Notes

- <sup>1</sup> Measured on-axis, half-space conditions, using swept sine wave input
- <sup>2</sup> Average over stated bandwidth
- <sup>3</sup> Mean average of two bands, each measured 1 watt/1 meter, half-space conditions, using swept sine wave input.

- <sup>4</sup> Continuous measurement: Unweighted pink noise input  
Peak measurement: Music program input  
Both measured at 1 meter, using stated amplifier power
- <sup>5</sup> Optional passive
- <sup>6</sup> Optional black

## ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall be of the bi-amped\*, three-way type, consisting of one 15" low frequency loudspeaker loaded with a patented TurboBass™ device, one 10" mid frequency loudspeaker loaded with a patented TurboMid™ device, and one 1" high frequency unit.

Performance specifications of a typical production unit shall meet or exceed the following: Frequency response, measured with swept sine wave input, shall be flat within  $\pm 3$ dB from 65 – 17,000 Hz. Dispersion, at – 6dB points, shall average  $70^\circ H \times 70^\circ V$ . Rated Impedances shall be: Bass 8 ohms, Mid/High 16 ohms. Power handling shall be 400 watts RMS, 800 watts Program. Sensitivity, measured with 1 watt input at 1 meter distance on-axis, mean averaged over the stated bandwidth, shall be 104dB. Maximum SPL (Peak), measured with music program input at stated amplifier power, shall be 133dB.

Dimensions:  $34\frac{1}{2}"H \times 17"W \times 22\frac{3}{4}"D$ .  
Weight: 106 lbs. Total enclosure volume shall not exceed  $7\frac{3}{4}$  cu. ft.

The loudspeaker system shall be the Turbosound TMS-2A.

No other loudspeaker system shall be acceptable unless submitted data from an independent test laboratory verify that the above combined performance/size specifications are met.

\*Optional passive

TURBOSOUND®  
PATENT INFORMATION  
U.K. 1,592,246 & 1,598,310  
U.S. 4,181,193 & 4,215,761  
Canada patented 1980  
Australia 515,535  
Other patents pending

Due to ongoing product improvement, specifications are subject to change without notice.

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Dealer Stamp:

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