datasheet

TFM-560

ENGINEERING INFORMATION

The TFM-560 is a high performance bi-amped modular floor monitor designed for use with Turbosound's DSP-based Power Management System for all types of professional live sound monitoring applications.

The TFM-560 consists of a two proprietary 12" low frequency drivers mounted side by side in a reflex-loaded enclosure together with a 1.4" high frequency compression driver. It benefits from the use of neodymium drive units which results in a highly efficient, lightweight wedge monitor package with a small footprint that is easy to handle and transport and with a small footprint, ideal for use wherever high SPL and exceptional intelligibility is required.

As part of an integrated DSP-based monitor rack package, the TFM-560 will provide up to four dedicated high quality monitor mixes from just one Turbosound amplifier rack.

The HF horn pattern is designed to give very even coverage both close to, and standing back from, the monitor while at the same time minimising sound spillage into adjacent microphones. As a result the TFM-560 offers impressive feedback rejection, developing high sound pressure levels without the need for excessive equalisation.

The cabinet is constructed from 5/8" (15mm) birch plywood, and is finished in black semi-matt textured paint. Recessed connector panels are located at both ends of the cabinet, each fitted with two Speakon NL4MP connectors. This arrangement allows for neat interconnection between units. Side mounted flush handles are provided for easy lifting and handling. A black powder coated perforated steel mesh grille with reticulated foam backing protects the drive units from damage.

PRELIMINARY DATA

FEATURES

- Ultra low distortion
- 136dB max output
- Bi-amp operation
- Neodymium drive units
- Speakon connectors

APPLICATIONS

- Vocal monitoring
- Horn sections
- Drum fills

Turbosound
PROEL GROUP COMPANY

datasheet

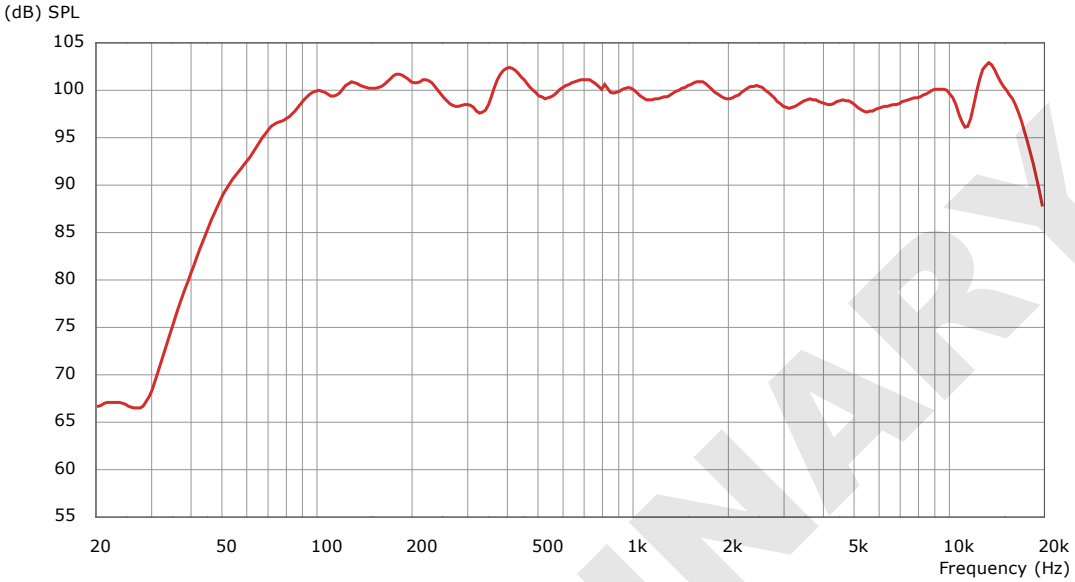
TFM-560

ENGINEERING INFORMATION

DIMENSIONS (HxWxD)	397mm x 700mm x 561mm (15.4" x 27.6" x 22.1")
NET WEIGHT	31kg (68.2lbs)
COMPONENTS	2 x custom 12" (305mm) LF driver, 1 x 1.4" (35mm) HF driver on a high frequency horn
FREQUENCY RESPONSE	80Hz - 15kHz ±3dB, 53Hz - 19kHz ±10dB
NOMINAL DISPERSION	80°H x 50°V @-6db points
POWER HANDLING	LF: 800 watts r.m.s., 1600 watts program HF: 75 watts r.m.s., 150 watts program
CALC MAXIMUM SPL	129dB continuous (calculated SPL addition), 135dB peak
CROSSOVER POINT	1k3Hz
NOMINAL IMPEDANCE	LF: 8 ohms; HF: 8 ohms
CONSTRUCTION	15mm (5/8") birch plywood throughout; rebated, screwed and glued. Finished in black semi-matt textured paint.
GRILLE	Powder coated perforated mild steel with reticulated foam backing
CONNECTORS	(2) Neutrik Speakon NL4 wired: pin 1+: LF positive, pin1-: LF negative pin2+: HF positive, pin2-: HF negative
SPARES AND ACCESSORIES	LS-1225 — 12" (305mm) LF loudspeaker RC-1225 — Recone kit MG-560 — Replacement cloth/expanded met CD-215 — HF driver RD-215 — Replacement diaphragm

PRELIMINARY DATA

FREQUENCY RESPONSE



PRELIMINARY DATA

datasheet

TFM-560

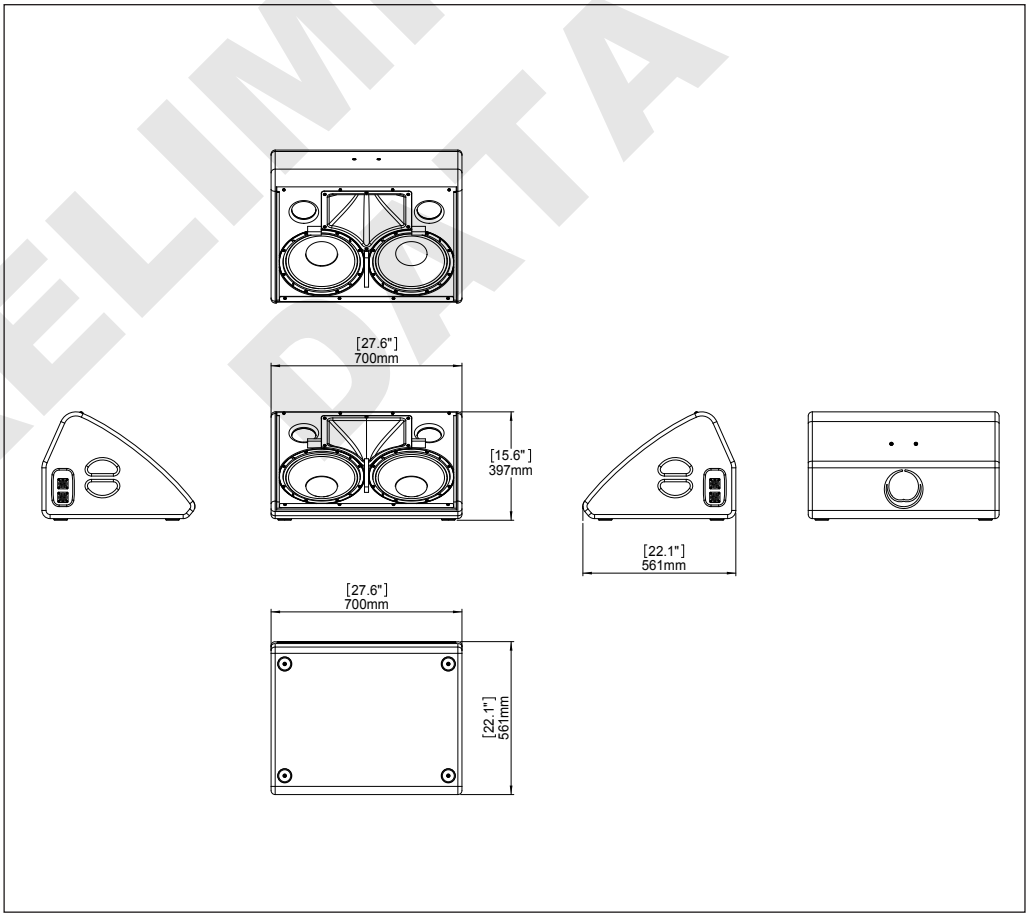
ENGINEERING INFORMATION

ARCHITECTURAL & ENGINEER'S SPECIFICATIONS

The loudspeaker system shall be of the bi-amped two way type comprising: one 1.4" (35mm) high frequency compression driver and two 12" (305mm) low frequency driver. Performance specifications of a typical production unit shall meet or exceed the following: frequency response, measured with a swept sine wave input shall be flat within ±3dB from 80Hz to 15kHz, and within ±10dB from 53Hz to 19kHz. Dispersion @ -6dB points shall average 80°H x 50°V. Nominal impedance shall be LF: 8 ohms, HF: 8 ohms. Power handling shall be LF: 800 watts r.m.s., 1600 watts program; HF: 75 watts r.m.s., 150 watts program. Maximum SPL (peak), measured with music program shall be 135dB. Dimensions: 397mm x 700mm x 561mm (15.6" x 27.6" x 22.1"). Weight: 31kg (68.2lbs). The loudspeaker system shall be the Turbosound TFM-560. No other system shall be acceptable unless the above combined performance specifications are equalled or exceeded. Rigging hardware shall be available comprising a range of load-certified components.

PRELIMINARY DATA

DIMENSIONS



TURBOSOUND LTD Star Road Partridge Green West Sussex RH13 8RY United Kingdom
tel: +44 (0) 1403 711447 fax: +44 (0)1403 710155 • www.turbosound.com