

TL1200/TL1200S

SPECIFICATIONS

PRELIMINARY



NOMINAL AND PHYSICAL SPECS

	TL1200	TL1200S
Frequency Response		
• +/- 3dB single enclosure	78Hz to 18kHz	35Hz to 120Hz
• +/- 3dB 8 enclosures	42Hz to 18kHz	23Hz to 120Hz
Sensitivity		
• LF single enclosure	102dB	98dB
• MF single enclosure	105dB	
• HF single enclosure	110dB	
• LF 8 enclosures	112dB	108dB
• MF 8 enclosures	115dB	
• HF 8 enclosures	120dB	
Calculated Max SPL		
• LF single enclosure	135dB	132dB
• MF single enclosure	135dB	
• HF single enclosure	132dB	
• LF 8 enclosures	144dB	151dB
• MF 8 enclosures	144dB	
• HF 8 enclosures	141dB	
Impedance		
• LF	4 (2 @ 8 Ohms each)	4 (2 @ 8 Ohms each)
• MF	8 (4 @ 16 Ohm each)	
• HF	6 (3 @ 16 Ohm each)	
Power Handling		
• LF	1000 Wrms / 2000 Wprogram	1400 Wrms / 2800 Wprogram
• MF	480 Wrms / 960 Wprogram	
• HF	75 Wrms / 150 Wprogram	
Nominal Coverage Angles -6dB		
• Horizontal	100 degrees	
• Vertical	2 degrees	
Dimensions		
• Height	16.75"	16.75"
• Width	44.5"	44.5"
• Depth	17.75"	17.75"
• Weight	160 lbs	140 lbs.
Replacement Parts		
• LF	2 x B&C Speakers 12NW76-8	2 x B&C Speakers 12-211
• MF	4 x B&C Speakers 6PEV13-8	
• HF	3 x B&C Speakers DE12-8	

Due to continuous improvements, TCSaudio reserves the right to change any or all specifications without notice

DESCRIPTION

The TL1200 is a very high efficiency, full range, 3-way line array element and is the main element within the TCS Audio TL Series Line Array System.

The TL1200 features two 12" high powered neodymium transducers deployed in split quadrant waveguides to reduce side lobing. Four six inch slot loaded midrange drivers seamlessly coupled between the Low Frequency and High Frequency devices provide very high coherence and intelligibility in the critical vocal region. The High Frequency section of the TL1200 starts with three 1" exit, Mylar diaphragm compression drivers mounted to TCS Audio's Pure Path Lens System. The Pure Path System is then coaxially coupled to the mid frequency horn.

The TL1200 features a proprietary quick release pin rigging system, designed and manufactured by ATM Flyware, to be used for either overhead suspension or ground stacking. Emphasis on ease of use, weight reduction, and durability were priority in the design of the rigging system.

APPLICATIONS

Used for professional touring and fixed install applications. For use in:

Arenas	Auditoriums	Amphitheaters
Theaters	Ballrooms	Outdoor events
Large live music clubs		

FEATURE DATA

Model Number	TL1200	TL1200S
System Configuration	3-Way, Full Range Triamplified	Dedicated Subwoofer
Connections	2 x Neutrik NL8	2 x Neutrik NL4
LF system	2x12" Neodymium split quadrant loaded	2x12" front loaded
MF system	4 x 6" Slot loaded	N/A
HF system	3 x 1" Drivers Pure Path	N/A
Cabinet Type	Full Range Line Array Element	Subwoofer Line Array Element
Enclosure Structure	18mm / 13 ply and 36mm / 26 ply Baltic Birch	
External Coating	Duratex	Duratex
Grille Material	Foam backed 16 Ga. powder coated perforated steel	
Suspension / Ground Stack Hardware	Proprietary quick release pin rigging system	

The TL1200 shall be an externally tri-amplified, three-way, full range line array element and shall consist of two (2) split quadrant waveguide loaded neodymium 12 inch Low Frequency transducers, four (4) 6 inch slot loaded Midrange transducers and three 1" exit transducers coupled to a ribbon emulation device.

Single enclosure frequency response shall be +/-3dB 78Hz - 18kHz on axis. The TL1200 shall be capable of producing a maximum SPL of 135dB at 1 meter. The LF section shall handle a minimum of 2000 Watts with a nominal impedance of 4 ohms. The MF section shall handle a minimum of 960 Watts with a nominal impedance of 8 ohms. The HF section shall handle a minimum of 150 Watts with a nominal impedance of 6 ohms.

The TL1200 shall incorporate two (2) Neutrik NL8 connectors wired in parallel to enable chaining of multiple enclosures. Cabinet construction shall be of 18mm and 36mm Baltic birch plywood and shall incorporate extensive internal bracing. The TL1200 shall employ a proprietary quick release pin rigging system capable of either overhead suspension or ground stacking. The TL1200 shall be finished with Duratex finish. The transducer compliment shall be protected with a foam backed, Powder Coat finished, 16 ga. Perforated steel grille.

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