

## TXP SERIES ENGINEERING INFORMATION

**The TXP-118 is a self-powered front-loaded low frequency loudspeaker enclosure designed for use in a wide variety of live sound, corporate rental and mobile DJ applications that require professional sound quality in an easily transportable format.**

It consists of a 18" reflex-loaded low frequency driver in a birch plywood enclosure, optimally tuned for extended low frequency response, together with an integrated Class D amplifier.

The Class D amplifier delivers abundant power to the drive unit, with optimum headroom being governed by the built-in fast acting limiter circuits

All operating controls and indicators are provided on the rear panel, including adjustable gain, power LED, and signal and limit LEDs. Balanced 3-pin XLRs provide input and link out connections to additional

powered TXP enclosures. Mains power is supplied via an IEC mains connector and integrated fuseholder.

The cabinet is constructed from 15mm (5/8") birch plywood, screwed and glued together for maximum rigidity.

A pole mount socket is fitted to allow it to support TXP-121 and TXP-151 cabinets for optimum audience coverage. Two recessed flush handles are provided for easy lifting and carrying and four rubber feet are fitted to the bottom of the cabinet. A powder-coated perforated steel mesh grille protects the drive units from damage.



### FEATURES

- High efficiency 18" driver
- Digitally self-powered
- Pole mount socket

### APPLICATIONS

- Live sound
- Mobile DJ
- Corporate rental

<b>DIMENSIONS (HxWxD)</b>	652mm x 540mm x 503mm (25.7" x 21.3" x 19.8")	
<b>NET WEIGHT</b>	32kg (70.4lbs)	
<b>COMPONENTS</b>	1 x 18" (457mm) LF driver	
<b>FREQUENCY RESPONSE<sup>1</sup></b>	Full range: 45Hz – 95Hz ±3dB, 38Hz – 95Hz ±10dB High-pass: 45Hz – 125Hz ±3dB, 38Hz – 125Hz ±10dB	
<b>MAXIMUM SPL</b>	123dB continuous <sup>4</sup> , 129dB peak <sup>5</sup>	
<b>CONSTRUCTION</b>	15mm (5/8") birch plywood. Finished in black semi-matt textured paint. Two recessed carrying handles. Integral pole mount socket	
<b>GRILLE</b>	Heavy duty powder coated perforated steel mesh	
<b>CONNECTORS</b>	Input: (1) XLR female, Link: (1) XLR male, wired pin 2 hot; IEC mains connector with integrated fuseholder	
<b>CONTROL &amp; INDICATORS</b>	Gain (-∞ to 0dB), 2-stage high-pass filter, mains on/off, limit LED, signal LED, power LED	
<b>AMPLIFIER</b>	<b>TYPE:</b>	Class D
	<b>POWER OUTPUT:</b>	450 watts continuous @ 8 ohms (1kHz, 0.01% THD)
	<b>MAX INPUT:</b>	+18dBu
	<b>BANDWIDTH:</b>	20Hz - 20kHz ±0.5dB
	<b>POWER REQUIREMENTS:</b>	100V to 230V AC @ 50/60Hz
<b>SPARES AND ACCESSORIES</b>	LS-1811	18" (458mm) LF loudspeaker
	RC-1811	Recone kit

**Notes**

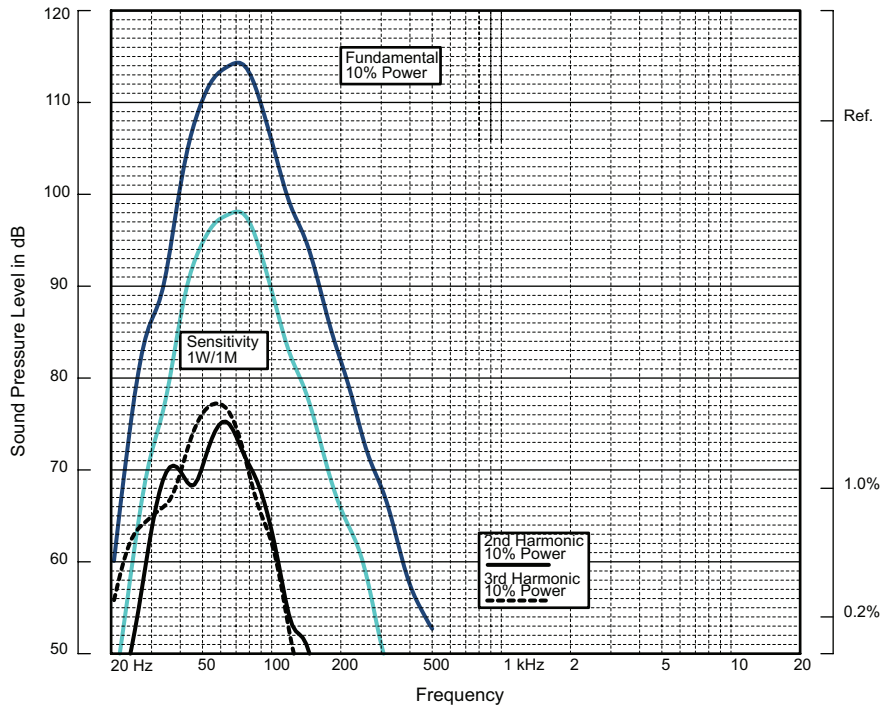
<sup>1</sup> Measured on axis

<sup>2</sup> Average over stated bandwidth

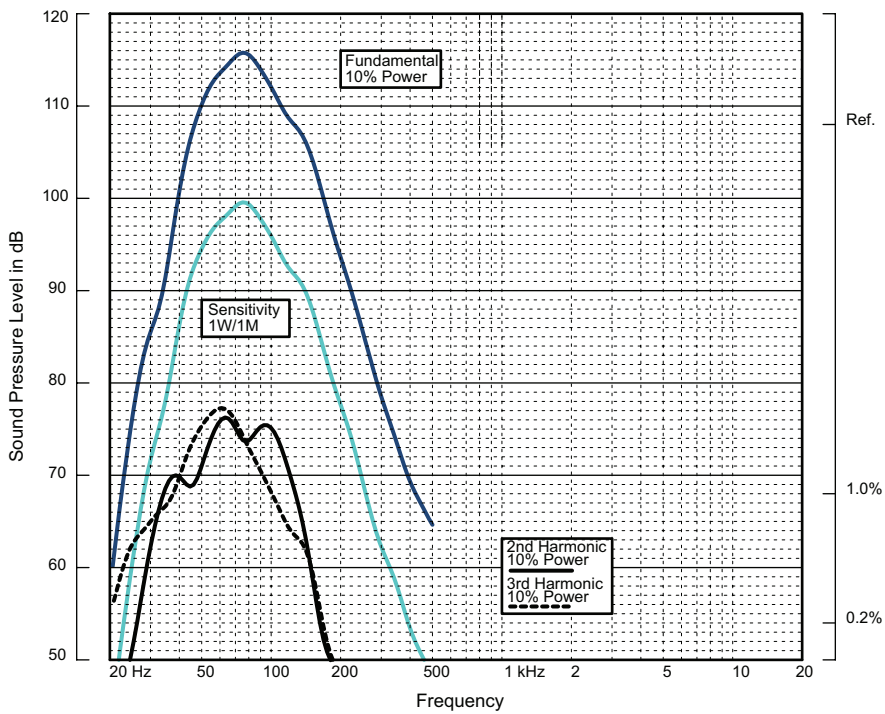
<sup>3</sup> Average over stated bandwidth

<sup>4</sup> Unweighted diode-clipped pink noise. Measured in a half space environment

<sup>5</sup> Verified by subjective listening tests of familiar program material, before the onset of perceived signal degradation



**FREQUENCY RESPONSE (FULL RANGE)**



**FREQUENCY RESPONSE (HIGH PASS)**

**ARCHITECTURAL  
& ENGINEER'S  
SPECIFICATIONS**

The speaker system shall be of the digitally self-powered low frequency type consisting of one 18" (457mm) low frequency driver in a reflex-loaded enclosure together with a Class D amplifier and control electronics module. 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  $\pm 3\text{dB}$  from 45Hz to 95Hz, and within  $\pm 10\text{dB}$  from 38Hz to 95Hz (full range), within  $\pm 3\text{dB}$  from 45Hz to 125Hz, and within  $\pm 10\text{dB}$  from 38Hz to 125Hz (high pass). Maximum SPL (peak) measured with music program at stated amplifier input shall be 129dB. Dimensions: 652mmH x 540mmW x 503mmD (25.7"H x 21.3"W x 19.8"D). Weight: 32kg (70.4lbs). The loudspeaker system shall be the Turbosound TXP-118. No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verify that the above combined performance / size specifications are equalled or exceeded.

**DIMENSIONS**

