

# PRX718XLF 18" Self-Powered Extended Low Frequency Subwoofer System

## Features:

- ▶ Maximum SPL Output 134 dB Peak
- ▶ 18" Differential Drive® low-frequency driver for low-distortion and higher SPL
- ▶ 1500W highly efficient Class-D amplifier
- ▶ DSP input limiter circuit, crossover, dynamic limiting, and component optimization
- ▶ Professional XLR-1/4" combination inputs and XLR loop-through
- ▶ Top panel M20 pole mount socket for sub/satellite configuration
- ▶ Injection molded handles with comfort rubber grips for easy transport
- ▶ Lightweight poplar plywood cabinets made structurally sound with tongue and groove joints and protected by JBL's tour proven DuraFlex™ finish

## Application:

- ▶ The PRX718XLF extended low frequency subwoofer was designed and engineered to provide sub bass frequencies with accuracy and power. Used as a single sub in a sub/sat system or in multiples as part of a scalable, large format sound reinforcement system, the PRX718XLF performs with exceptional efficiency and control. The subs are stackable and lightweight ensuring quick set-ups and tear-downs. And due to their rugged construction are perfect for AV rental inventories. With a pole receptacle (that accepts a SS4-BK or SS4-BK24) on the top panel and integrated stereo pass-thru this is the most powerful low-frequency complement to the PRX full-range systems. The addition of a polarity reverse option further enables system optimization.
- ▶ The PRX718XLF is a high performance self-powered subwoofer system. The PRX718XLF is comprised of a powerful 2278G Differential Drive® dual voice-coil and magnetic gap, woofer driven by a 1500 Watt Class-D power amplifier. Sophisticated DSP is at the core of a fully featured input section, providing user selectable cross-over functionality, polarity optimization, protection, dynamic limiting and discrete component optimization.
- ▶ All PRX700 cabinets are built from a combination of 25 mm (on the top and bottom for added rigidity) and 18 mm, strong, light-weight poplar plywood made structurally sound with tongue and groove joints. All PRX700 Series cabinets are protected by JBL's tour proven DuraFlex™ finish. Grilles are made from dent-resistant 16 gauge steel and handles are made from light-weight glass-filled nylon for added strength and durability.
- ▶ The amplifier input panel offers stereo inputs with XLR or ¼ inch jack compatibility. A user selectable crossover ensures a smooth transition to full-range system connected to the stereo outputs. Signal present and limiter lights indicate the system status and assist in setting the optimum level via the level control knob.



## Specifications:

### System:

|                               |                                                                                                                                                                                                                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Type:                  | Self Powered 18" subwoofer                                                                                                                                                                                                                                                                        |
| Maximum SPL Output:           | 134 dB peak                                                                                                                                                                                                                                                                                       |
| Frequency Range (-10 dB):     | 30 Hz - 103 Hz                                                                                                                                                                                                                                                                                    |
| Frequency Response (±3 dB):   | 35 Hz – 87 Hz                                                                                                                                                                                                                                                                                     |
| Input Connectors:             | Two Balanced female XLR/ 1/4" combo connectors                                                                                                                                                                                                                                                    |
| Input Impedance:              | 20K Ohms (balanced)                                                                                                                                                                                                                                                                               |
| Signal Indicators:            | Limit: Yellow LED indicates peak output has been reached and dsp limiter is acting<br>Signal: Green LED indicates signal present<br>Power/Standby: Blue indicates system has power and ready to pass audio, Red indicates system has power but is in a power saving mode and will not pass audio. |
| Dynamic Control (Input):      | dbx Type IV™ limiter circuit                                                                                                                                                                                                                                                                      |
| Internal Crossover Frequency: | 100 Hz DSP                                                                                                                                                                                                                                                                                        |
| Loop out Crossover Frequency: | 120 Hz analog 24 dB filter slope                                                                                                                                                                                                                                                                  |

### Amplifier:

|                 |                                    |
|-----------------|------------------------------------|
| Design:         | Highly efficient Class-D amplifier |
| Power Rating:   | 1500W                              |
| AC Power Input: | 100V - 240V ~ 50/60 Hz             |

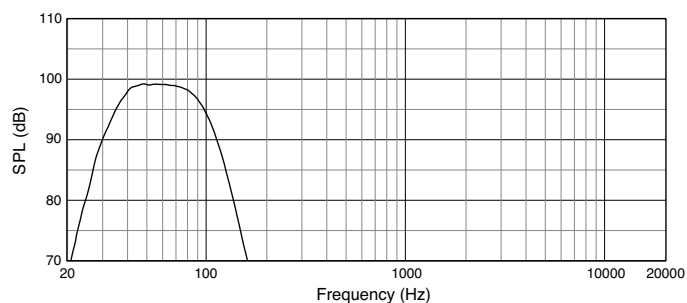
### Speaker:

|                         |                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------|
| LF Driver:              | 1 x JBL 2278G 460 mm (18 in) woofer                                                                 |
| Enclosure:              | Rectangular, 18 mm, plywood                                                                         |
| Transport:              | 2 x injection molded handles with backing cup                                                       |
| Finish:                 | Obsidian DuraFlex™ finish                                                                           |
| Grille:                 | Powder coated, Obsidian, 16 gauge perforated steel with acoustical transparent black cloth backing. |
| Dimensions (H x W x D): | 690.372 mm x 523.24 mm x 723.9 mm<br>(27.18 in x 20.60 in x 28.50 in)                               |
| Net Weight:             | 36.8 kg (81 lb)                                                                                     |
| Gross Weight:           | 45.0 kg (100.0 lb)                                                                                  |

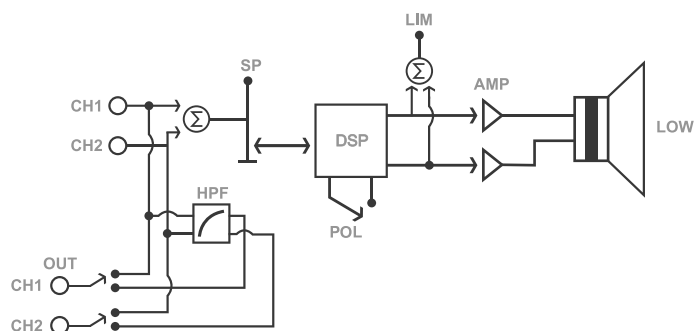
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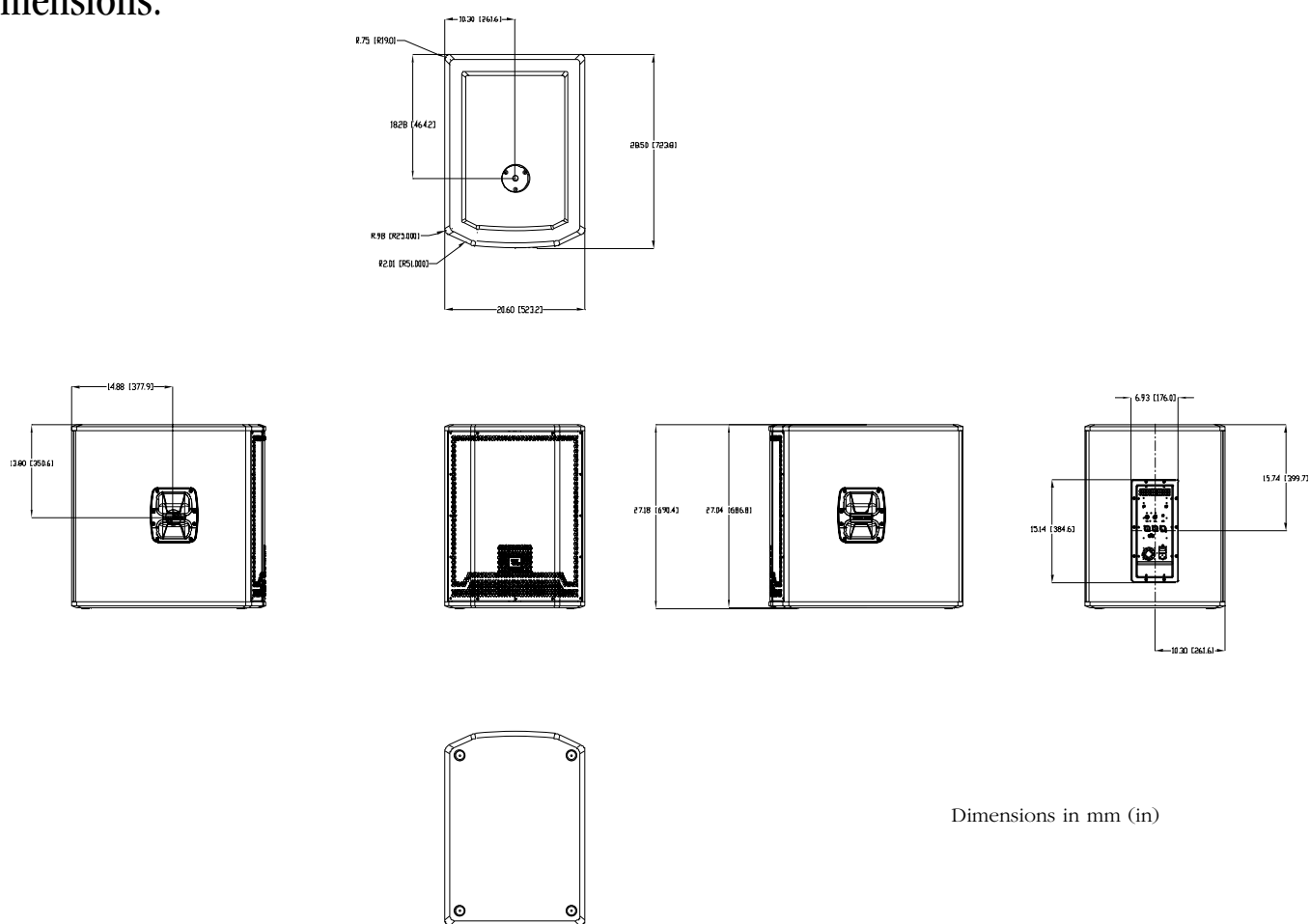
## Frequency Response:



BLOCK DIAGRAM  
PRX718XLF



## Dimensions:



Dimensions in mm (in)



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