

Application

The VTX F18S is a compact, high power, cardioid-arrayable single 18" subwoofer designed to perfectly complement VTX F12 and F15. For small to medium format Front-of-House applications, single or multiple VTX F18S enclosures can be used with F12 or F15 enclosures in subwoofer / satellite mode. VTX F18S is also ideal for drum, DJ or side fill monitoring since it has been strategically dimensioned to physically integrate with either VTX F12 or F15 enclosures.

Key Features

- ▶ 2269H Differential Drive[®], Dual Neodymium Magnet, Dual Voice Coil, Direct Cooled[™] 18" Transducer
- ▶ Exceptionally High Power Handling (2000W Continuous, 8000W Peak AES 2 hr)
- ▶ Massive Linear Excursion Capability (3.5" peak-to-peak)
- ▶ Reverse-Cardioid Arrayable (front NL4)
- ▶ Flexible installation and handling

Specifically designed for demanding tour sound applications, the VTX F18S features the same 2269H Differential Drive[®] 18" transducer employed in larger format VTX S28 and G28 dual 18" subwoofer models thus providing high impact, high output very low frequency performance.

The VTX F18S has been strategically dimensioned to have the same width as VTX F12 height and the same height as VTX F15, providing a wide variety of options for compact drum, DJ or side fill monitoring. For flight case conditioning, VTX F18S depth is equivalent to the depth of two VTX F15 enclosures, allowing a single flight case to be used for both models with dimensions that are truck pack-friendly.

For installation flexibility, a reinforced M20 Extension Rod Receptacle provides secure, stable attachment of the optional JBL SS5-BK extension rod to create subwoofer / satellite configurations with either VTX F12 or F15 enclosures. Depending on low frequency impact requirements, single or multiple VTX F18S can be deployed for compact small to medium format Front-of-House applications. Dedicated presets are available for sub/sat use as well as cardioid processing for multiples of three VTX F18S. The basic cardioid building block consists of two enclosures front-firing to one enclosure rear-firing and with appropriate processing up to 20 dB of rear rejection is obtained, significantly reducing low frequency spill back onto the stage for the performing artist.

Four convenient handles are provided and multiple M10 mount points (4 per side, 4 top and bottom) allowing for installation flexibility for either portable or fixed installation. For drum monitoring, M10 mount points can be used with supplied attachment plates that allow VTX F12 or F15 enclosures to be physically secured to the F18S (F12 horizontal with F18S vertical or F15 horizontal with F18S horizontal).



Specifications:

System	Frequency Range (-10 dB):	24.3 Hz - 300 Hz
	Frequency Response (±3 dB):	32.5 Hz - 300 Hz
	Recommended Bandpass:	24 Hz - 120 Hz
	System Input Power Rating:	LF: 2000 W Continuous, 8000 W Peak (AES / 2 hour)
	Maximum Peak Output ¹ :	136 dB SPL (LF) half space conditions
	Recommended Amplification:	LF: 3400 - 4000 W into 8 ohms
Transducers	Recommended Signal Processing:	Crown [®] I-Tech HD power amplification VTX F Series presets available for download at www.jblpro.com
	Low Frequency:	One 2269H, 460 mm (18 in) dia., 100 mm (4 in) dual voice coil, dual neodymium magnet, Differential Drive [®] , Direct Cooled [™]
	Bandpass Nominal Impedance:	8 ohms
	Input Power Rating ² :	2000 W Continuous, 8000 W Peak (AES / 2 hour) 1700 W Continuous, 6800 W Peak (100 hour)
Enclosure	Bandpass Sensitivity:	92 dB, 1W / 1m (2.83 Vrms at 3.3 ft)
	Construction:	Front-loaded single 18" subwoofer; 18 mm, 11-ply Baltic birch plywood; black DuraFlex [™] finish.
	Suspension:	4 x integral recessed handles; 4 x protective feet and stacking recesses; 16 x M10 mount points; Optional extension rod (SS5-BK) available
	Grille:	Powder coated 14 gauge hex-perforation steel with acoustically transparent black cloth backing
	Rear Input Connectors:	Neutrik [®] Speakon [®] NL-4 (2x) Pins 1+/- LF, Pin 2+/- Pass-thru Neutrik [®] Speakon [®] NL-8 (2x) Pins 1+/- LF, Pin 2+/-, 3+/-, 4+/- Pass-thru
Front Panel Input Connector:	Neutrik [®] Speakon [®] NL-4 (1x) (for reverse-cardioid operation) Pins 1+/- (LF), Pin 2+/- (pass-thru)	
Optional Accessories	Dimensions (H x W x D):	640.1 x 548.6 x 713.7 mm (25.2 x 21.6 x 28.1 inches)
	Net Weight:	45.4 kg (100 lb)
	Shipping Weight:	51.7 kg (114 lb)
Optional Accessories	SS5-BK:	Adjustable extension rod with M20 thread for attachment to VTX F18S; hand crank height adjustment; patented expanding mandrel system for secure vibration free attachment to F18S using either integral pole mount socket or optional UB universal bracket accessory

¹Calculated maximum SPL based on rated peak power and measured sensitivity

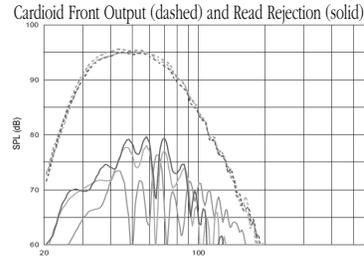
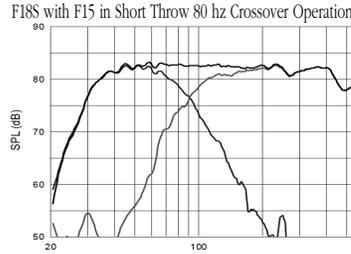
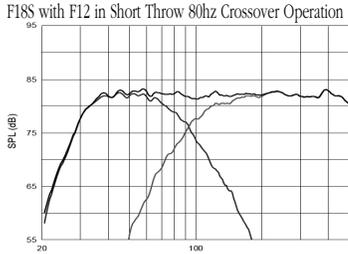
²AES Standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plus long term 100 hr rating.

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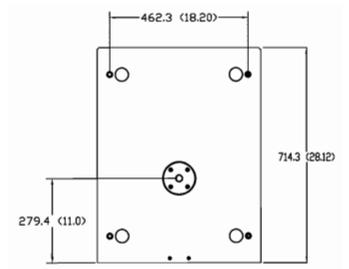
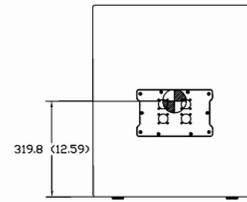
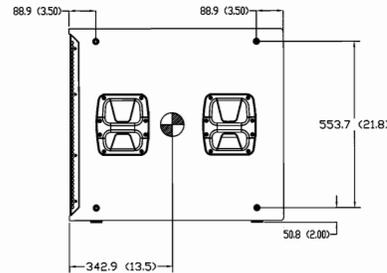
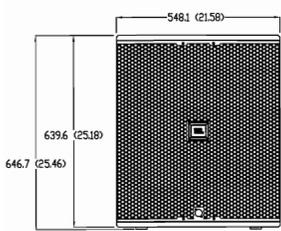
▶ VTX F18S 18 Inch High Power Subwoofer

Acoustical Measurements

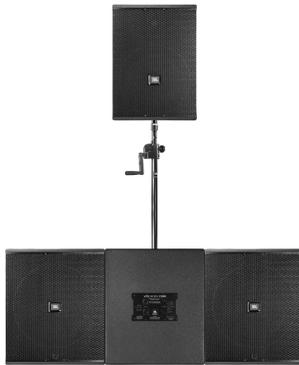
Frequency Response with Recommended V5 DSP
(Individual Bandpasses with Composite Overlay)



Dimensions



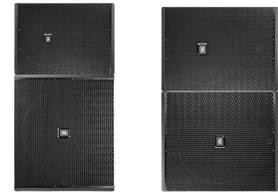
System Configurations



Medium Format
Front of House



Sidefill
Monitoring



Drum/
DJ Monitoring



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