



RENKUS-HEINZ
ADVANCING SOUND. PROVIDING SOLUTIONS.

**Commanding Performance,
Compelling Value**

Sound that makes performances and audiences truly come alive doesn't come easy. But CF & CFX Series loudspeakers put the power of unique Renkus-Heinz developments like Complex Conic horns to work for you. Optional intelligent amplification, versatile enclosure designs, go-anywhere hardware and rugged construction help solve your sound reinforcement challenges easily and quickly.

Every CF & CFX Series loudspeaker is engineered by Renkus-Heinz to unrivaled standards of quality and innovation. Before we'll ship them, your loudspeakers have to meet our exacting requirements, for performance that will make you proud and durability that will keep you sounding great.

Applications

- Virtually any application where high-output, low frequency content is required
- Permanent Installations**
 - High quality music/speech systems and surround systems for houses of worship, schools, performing art centers, night clubs, etc.
- Portable Applications**
 - live music reinforcement, DJ systems, houses of worship, schools, etc

High Power, High Performance Woofers

The heavy duty 18-inch woofer used in the CF18S and the CFX18S was developed specifically for use in high power, sub-bass loudspeaker systems. It features a 4" voice coil, rigid cast-alloy frame and massive "long throw" magnetic structure to assure linear cone movement over a wide range of power levels.

PF-1 Integral Amplifier

All CF Series loudspeakers are equipped with the PF-1 Class D Digital amplifier/signal processor that combines amplification, crossovers, protection and equalization into a single compact unit.



Powered by a switching power supply, the PF-1 is light weight and over 70% efficient at full output. Its high efficiency reduces power requirements and eliminates the need for fan cooling.

Non-powered CFX loudspeakers can easily be upgraded to self-powered CF loudspeakers by replacing the connector plate with the PF-1 amplifier module.

CF18S
Self-Powered

CFX18S
Non-Powered

18" SUBWOOFERS



- **Powerful 18" Subwoofers**
Provide high-impact (130 dB peak SPL on the CFX18S) sub-bass performance.
- **CF18S Self-Powered Subwoofer**
Includes integral PF-1 Class D digital power amplifier with loudspeaker specific signal processing and protection against overload damage.
- **CFX18S Non-Powered Subwoofer**
Same high performance as the CF18S only non-powered.
- **High Power, High Performance Woofers**
With long throw magnetic structures easily handle 900 Watts of program power.
- **Built-In Lo-Pass Filter**
Eliminates the need for a separate electronic crossover

Technical Information

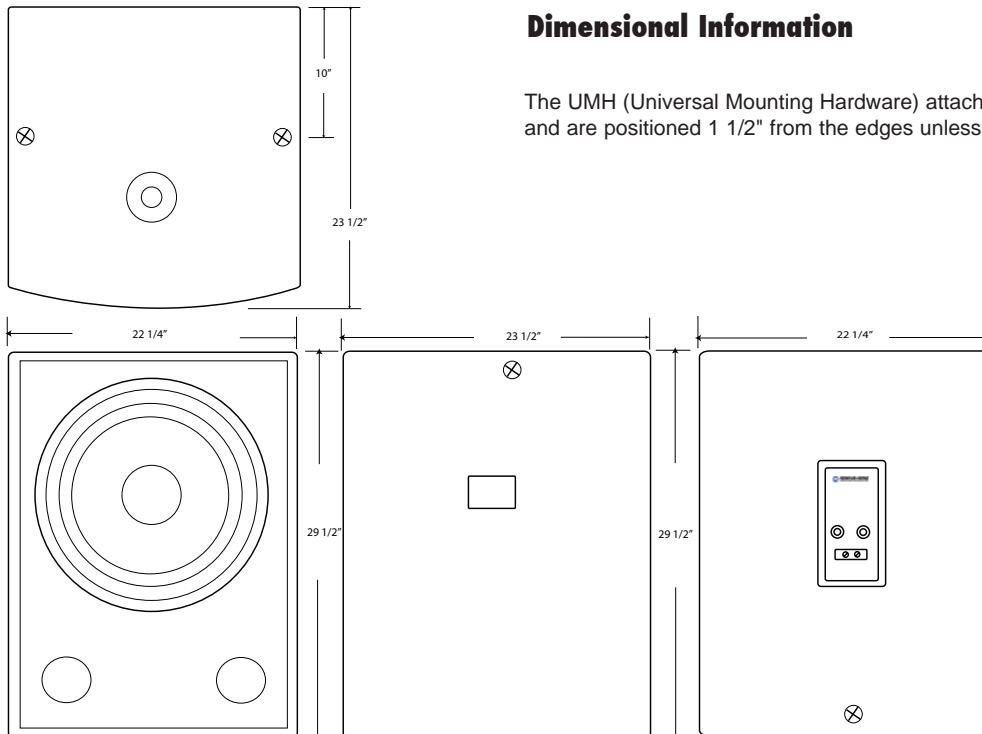
SENSITIVITY – CF18S: 1.0 V for rated power output	POWER – CF18S: 115 V AC or 230 V AC
CFX18S: 100 dB (1W/1m)	CFX18S: 500 Watts program at 4 Ohms
MAXIMUM SPL – CF18S: 125 dB program, 128 dB peak	CONNECTORS – CFX18S: Screw terminals & looping Neutrik 4-pin SpeakOn style connectors
CFX18S: 127 dB program, 130 dB peak	FINISH: Black
FREQUENCY RESPONSE: 35 Hz to 100 Hz	HARDWARE: 6-point univ. mtg. hdw. Tripod socket
LF DRIVER: 18" model SSL18-9F, 450 W RMS @ 4 Ohms, 900 W program	DIMENSIONS: 29 1/2" H x 22 1/4" W x 23 1/2" D (75 cm x 56.5 cm x 59.7 cm)
ENCLOSURE: Plywood, perforated metal grille	NET WEIGHT– CF18S: 92.6 Lbs (42 Kg) net
	CFX18S: 90.6 Lbs (41.1 Kg) net

PF-1 Amplifier

POWER RATING: 200 Watts RMS @ 4 Ohms, 300 Watts Burst	CONNECTORS INPUT: Looping XLR; female in, male out (pin 1 chassis, pin 2 +, pin 3 -)
FREQUENCY RESPONSE: +0.0, -5 dB, 20 Hz to 20 kHz	POWER: IEC power connector
THD DISTORTION: < 0.02% typical	CONTROLS: Gain (screwdriver adjustable)
HUM & NOISE: <100 dB (A weighted)	POWER REQUIREMENTS: Universal 90–260 VAC, 50/60Hz. 2.4 A @ 120 V, 1.2 A @ 240 V
DAMPING INPUT: >100 10K Ohm balanced differential	Idle Current: 200 mA @ 120 V; 10 mA @ 240 V
INPUT SENSITIVITY: 1.0 V for RPO	Max Inrush Current: 1 A
COMMON MODE REJECTION: 74 dB	

Dimensional Information

The UMH (Universal Mounting Hardware) attachment points have #6 metric threads and are positioned 1 1/2" from the edges unless otherwise indicated.



Note:
The rear view of a CFX18S is shown. The enclosure is shown without its metal grille.

For more detailed dimensional information, please refer to the 2D and 3D drawing files on our website, www.renkus-heinz.com