



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. Versatile enclosure designs, go-anywhere hardware and rugged construction help solve your sound reinforcement challenges easily and quickly. Advanced options like intelligent onboard amplification and RHAON — the Renkus-Heinz Audio Operations Network — help you build sophisticated sound systems that are easy to use.

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.



PF Series Intelligent Amplifiers

Passive, powered or networked: you can choose the CF/CFX system that suits your needs at any time. At the factory or in the field, the CFX passive connector plate can be easily replaced by a PF1-200 or PF1-500 Class D digital amplifier with loudspeaker specific processing. Their lightweight switching power supply delivers 70% efficiency at full output, reducing AC requirements and eliminating the need for a cooling fan.



Whenever you are ready for Ethernet audio networking, your CF/CFX loudspeakers are, too;

just replace the connector plate with a PF1-200R or PF500-R RHAON empowered amplifier equipped for connection to the Renkus-Heinz Audio Operations Network. RHAON empowers you with CobraNet digital audio distribution, user configurable DSP for maximum control, remote systems management from any Windows computer, life safety functions and more – all using standard Ethernet hardware and cable.

If you need an outstanding high-power 18-inch subwoofer, order the CFX18S or CF18S-5. For nearfield applications, the CF18S-2 with a 200 Watt PF1-200 is a logical choice. If you need Ethernet-based audio operations networking, order the CF18S-2R or the CF18S-5R; both are RHAON empowered.

CF / CFX Series

CFX18S

Non-Powered

CF18S

Self-Powered

18" Subwoofers

PASSIVE : POWERED : NETWORKED



• Powerful 18" Subwoofers

Provide high-impact (128 dB peak SPL on the CFX18S) sub-bass performance.

• RHAON Renkus-Heinz Audio Operations Network

Self-powered CF18S series subwoofers are available with RHAON for flexible digital signal distribution, loudspeaker management and control.

• CFX18S Non-Powered Subwoofer

Same high performance as the CF18S only non-powered.

• High Power, High Performance Woofers

With 4" voice coils, rigid cast-alloy frames and 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-2/2R & CF18S-5/5R
1.0 V for rated power output
CFX18S: 96 dB (1W/1m)

Max. SPL: CF18S-2/2R: 119 dB program, 122 dB peak
CF18S-5/5R: 122 dB program, 125 dB peak
CFX18S: 125 dB program, 128 dB peak

Freq. Resp: 35 Hz to 100 Hz

LF Driver: 18" model SSL18-9F, 450 W RMS @ 4 Ohms,
900 Watts program

Enclosure: Hardwood, perforated metal grille

Finish: Black or white paint

Power: CF18S-2/2R & CF18S-5/5R: 115 V AC or 230 V AC
CFX18S: 900 Watts program at 4 Ohms

Connectors: CFX18S: Screw terminals & looping Neutrik 4-pin
SpeakOn style connectors

Hardware: 6-point univ. mtg. hdw. (#10 metric threads
Tripod socket

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)

Weight: CF18S-2/2R: 92.6 Lbs (42 Kg) net
CF18S-5/5R: 94.6 Lbs (42.9 Kg) net
CFX18S: 90.6 Lbs (41.1 Kg) net

PF1-200 & PF1-500 AMPLIFIERS

Power: PF1-200: 200 W RMS @ 4 Ohms
PF1-500: 500 W RMS @ 4 Ohms

Freq. Resp: +0.0, -5 dB, 20 Hz to 20 kHz

THD Distortion: < 0.02% typical

Hum & Noise: <100 dB (A weighted)

Damping: >100

Input: 10K Ohm balanced differential

Sensitivity: 1.0 V for RPO

CMR: 74 dB

Controls: Gain (screwdriver adjustable)

Power: Power: EC Power connector

Input: Looping XLR; female in, male out (pin 1 chassis, pin 2 +, pin 3 -)

PF1-200: 2.4 A @ 120 V, 1.2 A @ 240 V
Idle current: 200 mA @ 120 V; 100 mA @ 240 V
Max inrush current: 1 A, Universal 90-260 VAC, 50/60 Hz

PF1-500: 5 A @ 120 V, 2.5 A @ 240 V
Idle current: 400 mA @ 120 V; 200 mA @ 240 V
Max inrush current: 1 A, Switchable 115-230 VAC, 50/60 Hz

PF1-200R & PF1-500R RHAON EMPOWERED AMPLIFIERS

The PF1-200R & PF1-500R are identical to the PF1-200 & PF1-500 except for the addition of the RHAON Network Interface; additional capabilities include:

Input: CobraNet; dual RJ45 connectors; accept
Cat 5 copper cable.
AES/EBU Phoenix connectors;
Analog Phoenix connectors

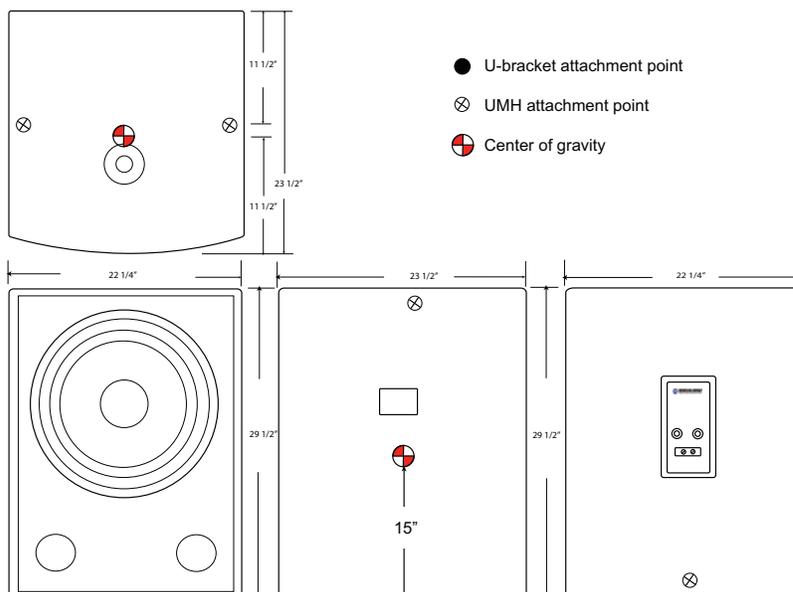
Digital Format: 16, 20 or 24 bit PCM; 48 or 96 kHz sample
rate; selectable Network Latency.

Protection: Soft & Peak Limiting, Excursion Control &
Thermal Regulation

For additional details on the RHAON Audio Operations Network, refer to Renkus-Heinz brochure # RH 606.

Note: All analog inputs and outputs comply with AES Standard 45-2005 on interconnecting, grounding and shielding.

DIMENSIONAL INFORMATION



Note:

The UMH (Universal Mounting Hardware) attachment points have #10 metric threads and are positioned 1 3/4" from the edges unless otherwise indicated.

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