

Description

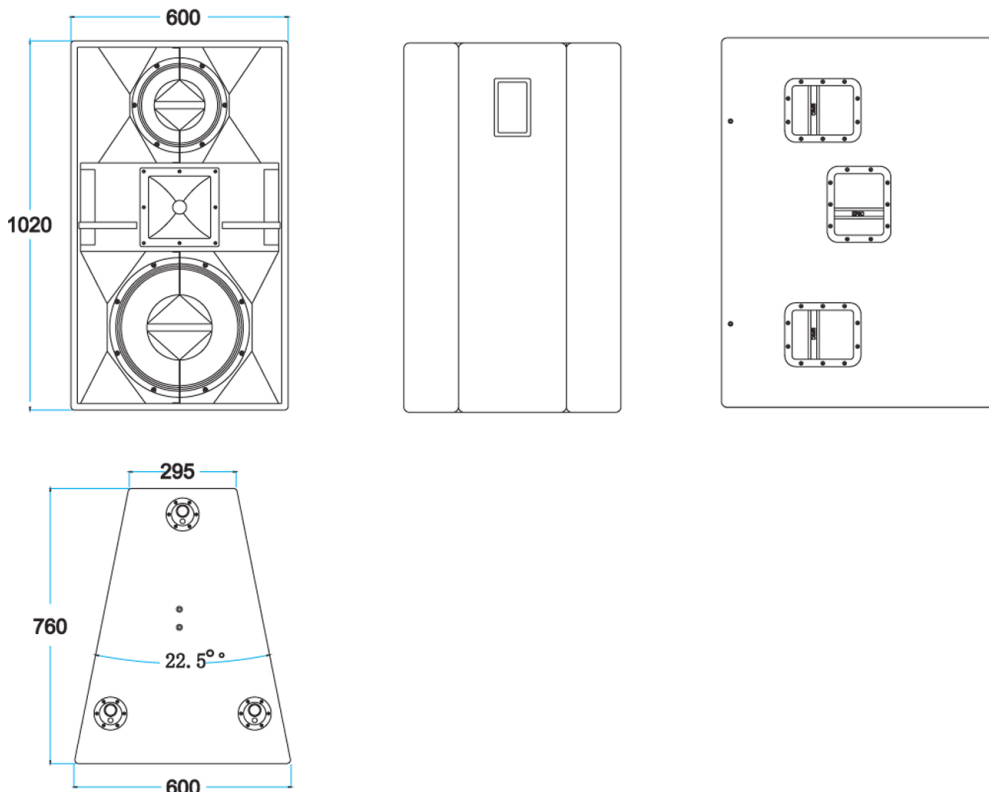
The CS1F three-way full-range loudspeaker / virtual array systems incorporate a 15" low-frequency transducer, 10" mid-frequency transducer, and 1.5" exit compression high-frequency driver. The Low-frequency driver is mounted in a waveguide cavity for optimum low-frequency directivity. The Mid-frequency driver is loaded into a midrange horn constructed of birch plywood reinforced with high-density polyurethane foam, and a phase/displacement plug. The High-frequency driver is mounted in the waveguide cavity and loaded on a constant directivity horn with a nominal coverage pattern of 35°(h) x 35°(v). An acoustical filter is also installed in the Low-frequency waveguide cavity behind the High-frequency section to absorb refracted HF energy.

The CS1F enclosure is trapezoidal in shape, constructed of 18mm thick Baltic birch plywood, finished in black catalyzed polyurethane, perforated steel grille backed with open-cell foam to protect against dust, and employs extensive internal bracing. The connector portion consists of two Neutrik NL8 In / Out Connectors and the rigging portion hardware consists of six-position certified flying points (3 each top and bottom).



Features

- 140 dB max SPL
- 70Hz-18kHz (-3dB) frequency response
- 1 x 15" Low-Frequency Woofer
- 1 x 10" Mid Range Woofer
- 1 x 1.5" High-Frequency Driver
- Neutrik NL8 Connectors
- Load Certified Flying Points
- Solid Birchwood enclosure structurally wooden reinforced
- Wave Guide Technology for optimum directivity



Specifications

Acoustic Specifications

FREQUENCY RESPONSE:
60Hz-19Hz (-10dB)
70Hz-18kHz (-3dB)

COVERAGE ANGLES:
35° (HORIZONTAL), 35° (VERTICAL)

SENSITIVITY:
(LF): 105dB / 1W / 1M
(MF): 107dB / 1W / 1M
(HF): 112dB / 1W / 1M

MAX SPL:
(LF): 138dB
(MF): 139dB
(HF): 140dB

Power Section

IMPEDANCE:
(LF): 8Ω
(MF): 8Ω
(HF): 8Ω

PEAK POWER HANDLING:
(LF): 2000W
(MF): 1200W
(HF): 720W

PROGRAM POWER HANDLING:
(LF): 1000W
(MF): 600W
(HF): 360W

CROSSOVER POINT:
(LF): 70-400Hz, -24dB/oct
(MF): 400-1.6kHz, -24dB/oct
(HF): 1.6kHz, -24dB/oct

RECOMMENDED AMPLIFIER:
(LF): 800W-1200W into 8Ω
(MF): 450W-600W into 8Ω
(HF): 200W-3000W into 8Ω

Transducers

HIGH FREQUENCY:
1 x 1.5 INCH THROAT, 3-INCH VOICE COIL, TITANIUM COMPRESSION ON LOW DISTORTION WAVE CONTROL HORN

MID FREQUENCY:
1 x 10 INCH, 3-INCH VOICE COIL

LOW FREQUENCY:
1 x 15 INCH, 4-INCH VOICE COIL

Input / Output Section

INPUT CONNECTORS:
NEUTRIK® SPEAKON NL8

OUTPUT CONNECTORS:
NEUTRIK® SPEAKON NL8

Construction

COLOR:
BLACK POLYURETHANE PAINT

HANDLES:
SIDE HEAVY DUTY STEEL RECESSED

CABINET MATERIAL:
18MM BIRCH PLYWOOD

RIGGING:
LOAD CERTIFIED FLYING POINTS

GRILLE:
STEEL WITH ACOUSTIC FOAM

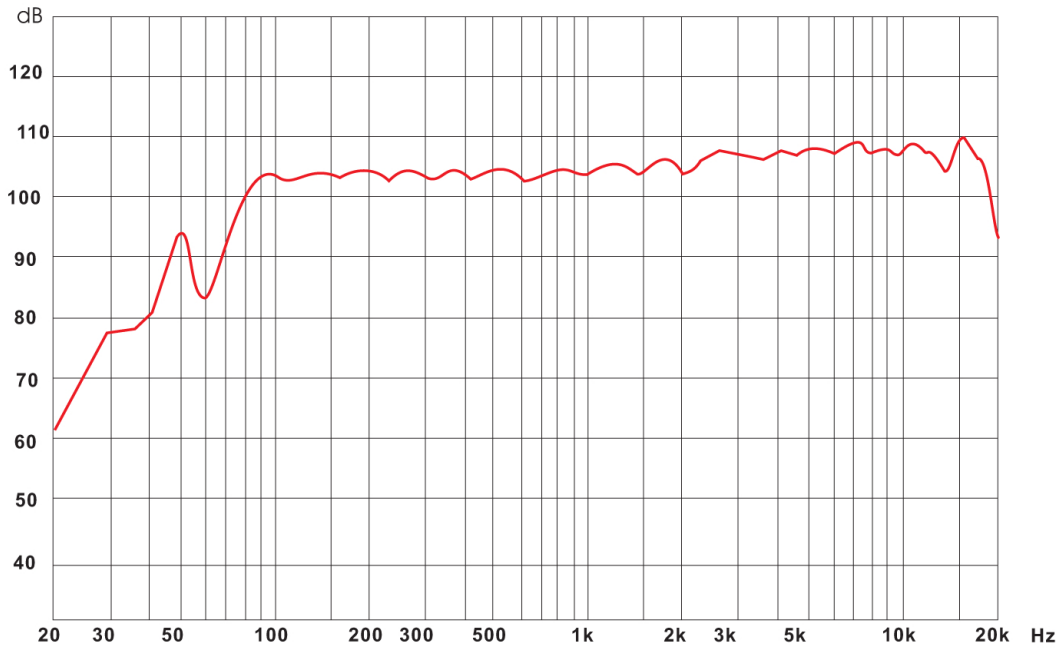
Dimensions

WIDTH:
23.6 INCH / 600 mm

DEPTH:
30 INCH / 760 mm

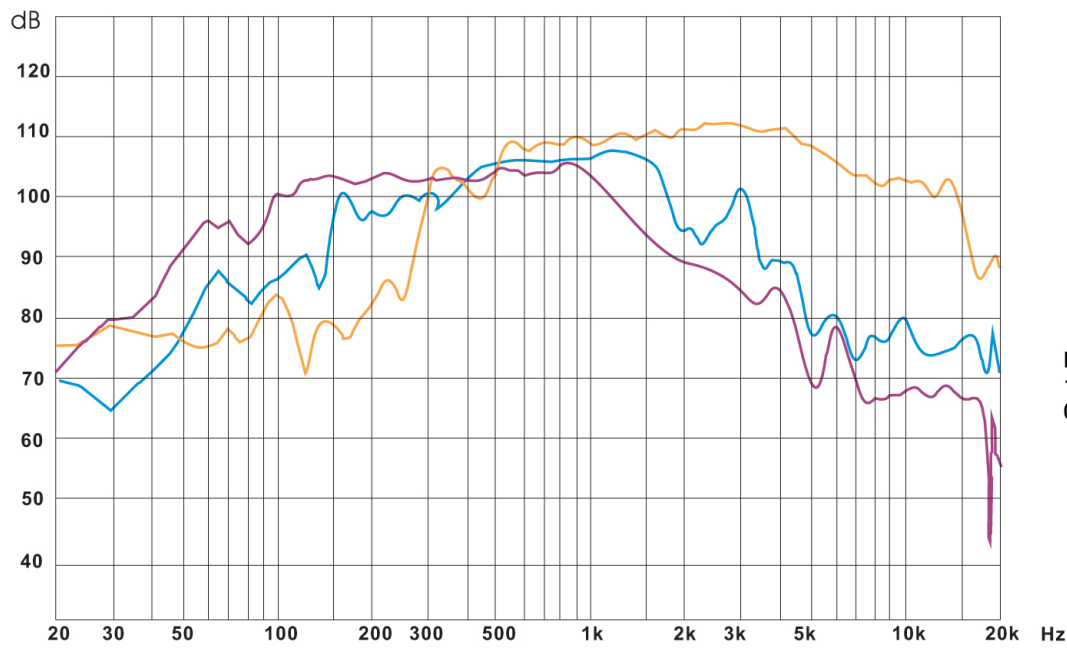
HEIGHT:
40.2 INCH / 1020 mm

WEIGHT:
167 LB / 76.5 KG



Freefield On-Axis at
1meter, 2.83V
0° & 1/3 oct, smoothing

Frequency Response (With EQ)



Freefield On-Axis at
1meter, 2.83V
0° & 1/3 oct, smoothing

— HIGH FREQUENCY
— MIDDLE FREQUENCY
— LOW FREQUENCY

Frequency Response (Without EQ)

