

Appendix C: S•8 Specifications

Acoustic Performance

Free Field Frequency Response:
 40 Hz – 20 kHz (± 3 dB)
 Lower Cutoff Frequency: -3 dB @ 40 Hz
 Upper Cutoff Frequency: -3 dB @ 20 kHz
 Sound Pressure Level @ 1 meter, 7.5 dBu into
 Balanced Input: 100 dB SPL @ 1m
 Maximum SPL Per Pair: 113 dB SPL @ 1m

Transducers

Low Frequency:
 8 in/203 mm with steel frame,
 polypropylene cone woofer
 High Frequency:
 Wave guide loaded 1 in/25 mm silk
 dome tweeter

Amplifiers

Low Frequency Power:
 60 watts, 4 ohm load, 100 watts peak
 High Frequency Power:
 60 watts, 4 ohm load, 100 watts peak
 Slew Rate: > 15 V/ μ s
 Distortion (THD, SMPTE IMD, DIM 100):
 < 0.035%
 Signal-to-Noise Ratio:
 Low Frequency: > 101 dB, 20 Hz to 20 kHz,
 unweighted, referenced to 60 watts into 4 ohms
 High Frequency: > 101 dB, 20 Hz to 20 kHz,
 unweighted, referenced to 60 watts into 4 ohms
 Type: Monolithic IC, Class AB

Electronic Crossover

Crossover Type: 24 dB/octave
 Crossover Frequency: 3 kHz
 Sensitivity: +4 dBu at 300 Hz for full
 output
 Input Impedance: 20 k Ω , balanced bridging;
 10 k Ω unbalanced

Equalization

Low Frequency EQ: +2 dB/+4 dB @ 100 Hz, shelving
 High Frequency EQ: ± 2 dB @ 5 kHz, shelving

AC Power Requirements

US: 120 VAC, 60 Hz
 Europe: 240 VAC, 50 Hz
 Korea (AC Power Select at 240 V):
 220 VAC, 60 Hz
 Japan (AC Power Select at 120 V):
 100 VAC, 50/60 Hz
 AC Connector: 2-pin IEC 250 VAC, 16 A male
 Fuse: 115 VAC: T 1.6 A H/250 V
 230 VAC: T 800 mA H/250 V
 Power Consumption: 80 watts with music, loud mix
 20 watts quiescent (idle)

Physical Dimensions and Weight

Enclosure: 0.625 in/16 mm thick MDF with
 1.0 in/25 mm MDF front panel
 Damping: Adiabatic fiberfill
 Dimensions:
 Height: 16.2 in/411 mm
 Width: 11.6 in/295 mm
 Depth: 13.8 in/351 mm
 Weight: 35.2 lb/16.0 kg

Disclaimer

Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice.

S•8 Block Diagram

