

EM-ESL X

Electrostatic Speaker

SPECIFICATIONS

System Frequency Response

41–22,000 Hz ± 3 dB

Recommended Amplifier Power

20–400 Watts per channel

Dispersion

Horizontal: 30 degrees

Vertical: 40° (101.6 cm) line source

Sensitivity

91 dB / 2.83 volts / meter

Impedance

6 ohms (1.6 ohms @ 20 kHz min.). Compatible with 4, 6, or 8 ohm rated amplifiers

Crossover Frequency

400 Hz

High-Frequency Driver

XStat™ CLS™ Electrostatic transducer

Panel dimensions: 40" x 8.6" (101.6 cm x 21.8 cm)

Radiating area: 344 in² (2,215 cm²)

Woofers

Two 8" (20.3 cm) high excursion, high-rigidity paper cones with extended throw driver assembly, non-resonance asymmetrical chamber format, bass reflex

Components

Custom-wound audio transformer, air core coils, large steel laminate inductors, polyester capacitors, and low DF electrolytic capacitors

Weight

52 lbs. each (23.6 kg)

Size (H x W x D)

59.2" x 9.4" x 20.7" (150.3 cm x 23.8 cm x 52.6 cm)

Specifications are subject to change without notice.



The ElectroMotion ESL X is an introduction to a new world of high performance audio. Highly efficient, with superbly integrated bass performance, the EM-ESL X will perform admirably with AV receivers as well as high-end amplifiers.

Equipped with a larger XStat™ electrostatic transducer than the EM-ESL, the EM-ESL X has a radiating area over 50in² larger. Twin 8-inch high-excursion woofers are housed in a surprisingly small, non-resonant asymmetrical bass reflex ported chamber. Dual audiophile-grade, doped-fiber cone woofers, custom designed by MartinLogan's in-house design and engineering team, optimize cone suspension and the magnetic flux field to produce big bass output with vanishingly low distortion.

The specially developed ElectroMotion XStat MicroPerf electrostatic panel is housed using AirFrame™ Technology. AirFrame technology, a composite of aluminum and composite materials, keeps the electrostatic panel rigid without obstructing playable surface area or interfering with ambience-enriching dipole sound radiation.