

Preliminary Product Information

12th March 2024

SCM20ASL Limited Edition – Overview, Key Features & Specifications

Product Name: SCM20ASL Limited Edition

Product Description: 2-Way Active Stand-Mount Limited Edition Loudspeaker

Overview

The SCM20ASL Limited Edition is a 2-way active loudspeaker released to mark the beginning of ATC's 50th Anniversary year. This exclusive new model, limited to just 150 pairs, packs ATC's finest transducer engineering and active loudspeaker technology into a compact sealed cabinet, finished to exceptional standards in a stunning high-gloss blue lacquer. Complementing the cabinet, the front baffle is hand-upholstered in dark blue full-grain Napa leather.

Key Features

- Compact sealed cabinet finished in high-gloss blue with leather upholstered baffle
- On-board ATC active 250W 'Amp Pack' module
- 2nd order Linkwitz-Riley active crossovers
- 2 x class A/B MOSFET amplifiers, 200W bass/mid & 50W high frequency
- User adjustable input sensitivity & bass shelf controls
- Hand-built in England
- 6 year warranty

Specifications

Acoustic Specifications

- Bass/mid driver: 1 x 150mm/6", SB75-150SL 8Ω
- High Frequency Driver: 1 x 25mm/1", SH25-76S 6Ω
- Low Frequency Cut-off: 55Hz (-6dB, anechoic)
- High Frequency Cut-off: 25kHz (-6dB)
- Crossover Point: 2.2kHz
- MaxSPL: 108dB continuous, 114dB peak (per pair, IEC Weighted Pink Noise, 1m, anechoic)
- Sensitivity: +4dBu rev 95dBC (Bass Boost 0dB, Input Sensitivity 1V, Pink noise)

Electronic Specifications

- Balanced Input: 1 x Rear Panel Mounted Female XLR, pin 2 hot
- Input Impedance: 20kΩ (differential)
- Input CMRR: >60dB (10kHz)
- Input Sensitivity: 2.2dBu/1Vrms for full power

- Input Sensitivity Control: -6dB switchable, -6dB variable. Total adjustment 2.2dBu/1Vrms to 14.2dBu/4Vrms
- Bass Shelf: -2dB to +3dB, switchable in 1dB steps
- Crossover Filters: 2nd Order Linkwitz Riley
- Amplifier type: Grounded Source MOSFET, class A/B, convection cooled
- Output Power: Bass 200W (8Ω), H.F. 50W (8Ω)
- THD+N: <0.0017%/-95dB (1kHz, 1dB below rated power, 90kHz BW)
- Frequency Response: <2Hz to >200kHz (-3dB)
- Limiter: ATC Active FET Momentary Gain Reduction
- Electronic amp protection: Amplifier d.c. offset and over-temperature (both indicated by rear panel LED)
- Mains Input: 220-230V or 115V, factory set. Please observe rear panel markings and labels!
- Power Consumption: Idle 26W/41VA, 1/8th Power 116W/161VA, Full Power 312W/398VA
- Heat Output: Idle 89BTU/hr, 1/8th Power 311BTU/hr, Full Power 382BTU/hr

Physical Specifications

- Net Weight: 27kgs/59.5lbs
- Dimensions: See diagram

Shipping Weights and Dimensions

- Gross Weight: 31.3kg / 68.9lbs
- Carton Dimensions (LxWxH): 56 x 38 x 60cm / 22 x 15 x 23 ½ inches
- A carton contains a single speaker

