



SCS120 Pro

15" Professional Active Subwoofer

Overview

High performance sealed box design using 15"/375mm ATC proprietary sub driver:
 Ideal partner to the SCM45A/SCM50A/SCM100A/SCM110A/SCM150A/SCM200A/SCM300A Pro monitors.
 Suitable for use in stereo, surround and immersive audio applications.
 On-board 300W convection cooled discrete MOSFET class A/B amp.
 2 x balanced XLR inputs
 2 x balanced XLR outputs (un-filtered/processed).
 User adjustable gain, low pass frequency, polarity and phase settings.
 Remote sub muting via latching footswitch*
 In-Wall variant with remote amplifier also available – the SCS120iW Pro.

* Footswitch supplied separately, latching type, ¼"/6.35mm jack connection.

Acoustic specifications

Drive Unit – Bass: 1 x ATC SS75-375SC 8Ω.
 Low Frequency Cut-off: 20Hz (-6dB, half space, low pass filter set at 80Hz).
 Low Pass Filters: 50Hz, 65Hz, 80Hz, 320Hz. (-6dB, 4th order Linkwitz Riley).
 MaxSPL: 113dB continuous, 119dB peak (IEC Weighted Pink Noise, measured at 1m, half space, low pass filter set at 80Hz).
 Sensitivity: 85dB/C, ref. -17dBu (single channel driven, Gain +6dB, Level 0dB, pink noise, low pass filter set at 80Hz).

Electronic specifications

Balanced Input: 2 x Rear Panel Mounted Female XLR, pin 2 hot.
 Input Impedance: Approx. 20kΩ (differential).
 Input CMRR: 90dB at 200Hz.
 Input Sensitivity: 1.12Vrms for full power (single channel driven, Gain 0dB, Level 0dB).
 Gain Control: 0, +6dB, +10dB.
 Level Control: 0dB -11dB in 1dB steps. Total range 21dB with use of Gain switch.
 Phase Control: 0-180° ref. Input.
 Polarity Control: In-phase/Out-of-phase ref. Input.
 Low Pass Filters: 4th Order Linkwitz Riley.
 Output Impedance: Approx. 100Ω (differential).
 Amplifier type: Grounded Source MOSFET based Class A-B, convection cooled.
 Output Power: 300W in to 8Ω.
 THD+N: <0.003%/-90dB, at 100Hz, 300W into 8Ω over 90kHz bandwidth.
 Frequency Response: <2Hz (-3dB) – 320Hz (-6dB, set by panel-controlled LP filter).
 Limiter: ATC Active FET Momentary Gain Reduction, active limiter indicated on front panel.
 Electronic Amp Protection: Amplifier D.C Offset and over-temperature (both indicated on rear panel).
 Power Consumption: Idle 16W/60VA, 1/8th Power 170W/230VA, Full Power 500W / 600VA.
 Mains Input: 220-230V, 115V – Factory set. Please observe panel markings and labels.
 Heat Output: Idle 478 BTU/hr; 1/8th Power 458.9 BTU/hr; Full Power 682.4 BTU/hr.
 Additional: Mute via ¼"/6.35mm Jack socket, controlled via latching footswitch.

Physical specifications

See following page.

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Net Weight: 44.5kg / 98.1lbs

Dimensions...

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