Technical Data Sheet

SCM45A Pro:
high performance 3-way compact active loudspeaker

Overview

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- Proprietary ATC 25mm/1" Dual Suspension Super Tweeter
- ATC hand built 3"/75mm Soft Dome mid-range driver.
- 2 x ATC hand built 6.5"/164mm carbon-paper cone bass drivers.
- On-board grounded source 235 watt Class A/B Tri-amplifier.
- Compact size with high output and low cut-off frequency.
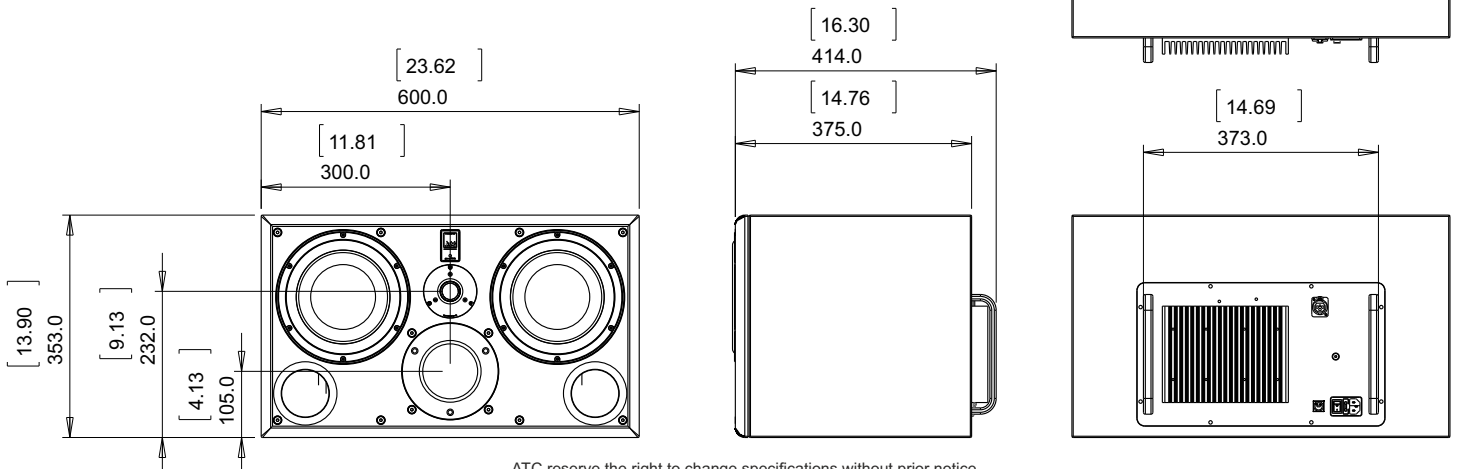- 6 year warranty.

Acoustic Specifications

• Drive units	Bass: 2 x SB50-154SC 16 Ohm
	Mid: 1 x SM75-150 16 Ohm
	H.F.: 1 x SH25-76S 6 Ohm
• Amplitude Linearity	70Hz - 17kHz (+/-2dB)
• Cut-Off Frequencies	42Hz - 25kHz (-6dB freestanding)
• Horizontal Dispersion	+/-80° coherent
• Vertical Dispersion	+/-10° coherent
• Maximum Continuous SPL	112dB (per pair at 1m)
• Audio Input	rear panel mounted female xlr (pin 2 +)
• Input Sensitivity	1V rms (ref. full output)
• Input Sensitivity trim	0dB to -6dB (continuously variable)
• Input Impedance	>20kΩ (differential)
• Amplifier Output Power	Bass: 150W
•	Mid: 60W
•	H.F.: 25W
• Crossover frequencies	380Hz & 3.5kHz
• Crossover filters	4th order critically damped with phase compensation
• low frequency boost	0dB to +3dB at 40Hz (continuously variable)
• overload protection	active FET momentary gain reduction
• mains power requirements	115/230V, 50/60Hz via rear panel switch. 100v 50/60Hz factory set
• mains power consumption	Idle 24W/35VA. 1/8th Power 117W/159VA. Full Power 255W/324VA.
• heat output	Idle 82BTU/hr. 1/8th power 335 BTU/hr. Full Power 358BTU/hr.
• weight	36kg/79lbs

physical dimensions
dimensions in mm and [inches]

notes
1. Mid-range dome is the reference listening axis
2. If flush mounted, allow 50mm/2" free space either side and above the heatsink and a supply of fresh cool air.

[23.62]
600.0

[11.81]
300.0

[16.30]
414.0

[14.76]
375.0

[14.69]
373.0

[13.90]
353.0

[9.13]
232.0

[4.13]
105.0