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August 22 2013, 2 pages.

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ATC LOUDSPEAKER TECHNOLOGY ANNOUNCES THE LAUNCH OF THE NEW 'HI FI' PASSIVE SERIES SCM 7 AND SCM II LOUDSPEAKERS

Designed for small to medium scale stereo and multi-channel applications, two new models incorporate a wholly ATC designed and built tweeter, and stylishly curved cabinets.

Featuring the new ATC designed and built 25mm soft dome tweeter, updated bass/mid drivers and crossovers housed in a curved, laminated cabinet, the first of a new range of ATC closed-box passive loudspeakers has arrived. The third generation SCM7 and second gen. SCMII are the first to employ ATC's landmark SH25-76 tweeter, developed to satisfy the company's long-established rigour in drive unit engineering.

SH25-76 Tweeter

Sharing technology with the renowned ATC soft domed mid-range drive unit, the new tweeter employs a unique dual suspension system suppressing rocking modes even at high power output levels. The ATC configuration of a short edge-wound voice coil in a long, narrow magnetic gap ensures exceptionally low distortion throughout its operating band and removes the need for ferrofluids, which can dry out over time, compromising performance.

A complex, shaped, soft-domed diaphragm extends high frequency range and offers a smooth off-axis response. The tweeter's 15,000 gauss (1.5 tesla) neodymium magnet has a black heat-treated top plate, which dissipates heat away from the voice coil to maintain high power handling and low power compression. A precision-machined 5.5mm rigid alloy waveguide provides optimum dispersion, a flat on-axis frequency response and resonance-free operation.

New Cabinets and Systems

Establishing what is to be a new style for ATC's most competitively priced range of loudspeakers, the new SCM7 and SCMII benefit acoustically and aesthetically from a curved cabinet construction. Braced and laminated for high rigidity and damping, the curved enclosures in real cherry or black ash veneer also impart a strong impression of design quality. Improved crossovers featuring metallised polypropylene capacitors, large air cored inductors and ceramic wire-round resistors offer superior power handling and clarity. Each new model exhibits an impedance curve free from low values,

presenting an easy load for amplifiers of 75 to 300 watts. The SCM7 and SCMI I are designed for optimum performance without the grille – although a full-length perforated metal grille, finished in anthracite grey to match the drive unit face plates, is supplied. According to tradition, each model number represents internal cabinet volume in litres.

Third Generation SCM7

ATC's SH25-76 soft dome tweeter is joined by the company's highly linear 125mm mid/bass driver. It features a 45mm soft dome - exceptional for its horizontal dispersion of mid-band frequencies - and a huge 3.5kg high-energy magnet system, which includes a 45mm flat wire voice coil, meticulously milled and formed by ATC. The magnet system and a carefully weighted doped fabric cone assembly contribute to the SCM7's wide bandwidth, impressive dynamic range and convincing bass output - all from a tiny seven litre cabinet.

Second Generation SCMI I

The new SCMI I features ATC's SH25-76 with an ATC CLD 150mm mid-bass driver incorporating a 45mm soft dome. Constrained Layer Damping is a driver cone technology exclusive to ATC and represents a step-change in driver-to-system performance. Advantages include reduced harmonic distortion between 300Hz and 3 kHz, an extended frequency response that eases constraints on the crossover filter slope, and improved off-axis response.

Manufactured in-house, the new SCM7 and SCMI I offer the ownership of a hand-built ruggedly engineered speaker, world famous for musical accuracy and high power output. Like all ATC products, the new models are backed by a six-year warranty.

PRICING: Please contact ATC or your local dealer or distributor for pricing applicable to your country.

AVAILABILITY: September 2013

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