



# MOMENTUM MONOBLOCK & STEREO AMPLIFIERS

*Daniel D'Agostino*



# MOMENTUM AMPLIFIERS

*Audiophiles know Dan D'Agostino as the world's most skilled and passionate designer of audio electronics, and the first to champion the use of high-powered solid-state amplifiers in high-end audio. With the Momentum monoblock and stereo amplifiers, he advances sound reproduction with revolutionary concepts, innovative materials and a fresh-slate design. The Momentum sounds warmer, more musical, more alive than any other amplifier Dan has designed—and any other amplifier, period.*

MOMENTUM DESIGN FOR REAL AUDIOPHILES BY

*Dan D'Agostino*



MOMENTUM STEREO AMPLIFIER SHOWN WITH OPTIONAL BLACK FINISH AND DEDICATED STAND.

**Revolutionary Cooling.** The Momentum is the first production amplifier to use copper for its heat sinks. The thermal conductivity of copper is 91-percent greater than that of aluminum, allowing the Momentum to use a much smaller heat sink.

To further enhance cooling capacity, the heat sink uses venturis instead of fins. The mouths of the venturis measure 0.75 in (1.9 cm), and they narrow to 0.5 in (1.2 cm) in the middle. As the air in the top of the venturi heats and expands, the shape of the venturi forces it upward and draws more air in from the bottom. The venturi-equipped copper heat sinks make the Momentum's compact, four-inch-high chassis possible.

**Energy-Efficient Design.** Most high-end audio amplifiers consume hundreds of watts of power the moment you push the "On" button—even when they are idling and reproducing nothing but silence. With the Momentum amplifier, Dan D'Agostino has achieved a new standard in energy efficiency for the high-end audio industry. Despite its impressive output—300 watts into 8 ohms in monoblock configuration and 200 watts per channel into 8 ohms in stereo—the Momentum draws less than 1 watt of power at idle, or about one fifth of what a typical cell phone charger might require.

**High-Speed Transistors.** The high-output transistors used on the Momentum are among the fastest available. Using 24 on the monoblock and 12 per channel in stereo, they run at a blistering 69 MHz, permitting the Momentum to achieve incredible bandwidth. Each transistor mounts with two stainless steel fasteners—a rarity among flat-package transistors—for maximum thermal transfer to the copper heat sinks. A capacitor/resistor network connected to the base of each transistor ensures stability even at high frequencies and with low-impedance speakers.

### **A Build-Quality Benchmark.**

Hand-built and hand-tested in America, the Momentum's chassis is machined from solid aluminum billet, not stamped from sheet metal. It is non-resonant and provides superior shielding from radio-frequency and electromagnetic interference (RFI/EMI).

The circuit board is assembled using through-hole construction, which resists heat (and stands the test of time) far better than the usual surface-mount boards can. Using through-hole construction also allows the use of higher-quality capacitors in the circuit. All resistors are 1% metal-film units. There are no capacitors in the signal path—the amplifier is DC-coupled from input to output.

MOMENTUM  
MONO AMPLIFIER

WINNER  
Stereo Sound  
Grand Prix  
GOLDEN 2011 SOUND



▼ SURPRISINGLY COMPACT CHASSIS

▼ INCOMPARABLE FINESSE

▼ 300 WATTS AT 8Ω

▼ AWARD-WINNING INDUSTRIAL DESIGN

MOMENTUM  
STEREO AMPLIFIER

## Inspired Design.

THE MOMENTUM STANDS OUT IN TODAY'S  
FIELD OF LOOK-ALIKE HIGH-END AMPLIFIERS.

The warm glow of its polished copper heat sinks complements the visual focus of the amp. The illuminated front power meter celebrates the design of classic watch faces and features the signature of Dan D'Agostino. Inspired by the clean, no-fasteners look of the iPhone and iPad, the entire amplifier is assembled from the bottom, so there are no visible screws on the front, top and sides.



▼ SURPRISINGLY COMPACT CHASSIS

▼ INCOMPARABLE FINESSE

▼ 200 WPC AT 8Ω

▼ FACTORY UPGRADABLE TO MONOBLOCK

## *The Pioneer of High-End, High-Powered Audio Amplification.*



*Daniel D'Agostino*

No name is more closely associated with high-end audio amplifiers than that of Dan D'Agostino. During his career of more than 30 years, D'Agostino pioneered countless advances in the design of amplifiers, preamplifiers, CD players, and surround-sound processors. He is known as the audio industry's most passionate promoter of high-quality, high-powered amplification. Makers of the world's finest loudspeakers rely on D'Agostino-designed amplifiers for their most important demonstrations.

Dan D'Agostino was founder and chief engineer of Krell Industries through 2009. Now, the products that bear his name not only achieve new levels of sound quality through new state-of-the-art designs, they also look like nothing he has built before—more compact, more distinctive, and more living-room-friendly.

The new Dan D'Agostino products also reflect his concern for the environment—an attitude uncommon in an industry where some amplifiers consume hundreds of watts even when they're not in use. Through innovative power-supply design, Dan D'Agostino products consume only the slightest trickle of power at idle, so they run cooler and save energy.

The greatest testimony to the quality of D'Agostino's new project, though, is that his name—in fact, his very signature—graces the front of each and every Dan D'Agostino product. Everything he has learned in decades of design and engineering the finest audio equipment has gone into the Momentum.

As impressive as these designs may sound on paper, the only way you can truly appreciate their warmth, detail and unmatched beauty is to hear them at your nearest Dan D'Agostino Master Audio Systems dealer.

Dan D'Agostino's **MOMENTUM** achieves what was once thought to be impossible:

**INCREDIBLE POWER AND INCOMPARABLE FINESSE IN A COMPACT CHASSIS.**



SPECIFICATIONS	MONOBLOCK	STEREO
<i>Power</i>	300 watts @ 8Ω / 600 watts @ 4Ω / 1,200 watts @ 2Ω	200 watts x 2 @ 8Ω / 400 watts @ 4Ω / 800 watts @ 2Ω
<i>Frequency Response</i>	1 Hz to 200 kHz, -1 dB / 20Hz to 20 kHz, ±0 dB	1 Hz to 200 kHz, -1 dB / 20Hz to 20 kHz, ±0 dB
<i>Distortion (Full output @ 8Ω)</i>	.15% @ 1 kHz	.15% @ 1 kHz
<i>Signal-to-Noise Ratio</i>	-105 dB, unweighted	-105 dB, unweighted
<i>Gain</i>	26 dB	24.5 dB
<i>Power Consumption at Standby</i>	<1 watt	<1 watt
<i>Inputs</i>	1 balanced XLR / 1 unbalanced RCA (adapter supplied)	2 balanced XLR / 2 unbalanced RCA (adapter supplied)
<i>Outputs</i>	High-quality binding posts	High-quality binding posts
<i>Weight</i>	95 lbs / 43.2 kg	95 lbs / 43.2 kg
<i>Dimensions</i>	4.3 x 12.5 x 18.5 inches / 10.9 x 31.8 x 47 cm (hwd)	4.3 x 12.5 x 18.5 inches / 10.9 x 31.8 x 47 cm (hwd)
<i>Options</i>	Dedicated stands and black finish available for monoblock and stereo amplifiers at additional cost.	

ALL D'AGOSTINO PRODUCTS ARE HAND MADE IN CONNECTICUT WITH PARTS MANUFACTURED IN THE UNITED STATES OF AMERICA.

