

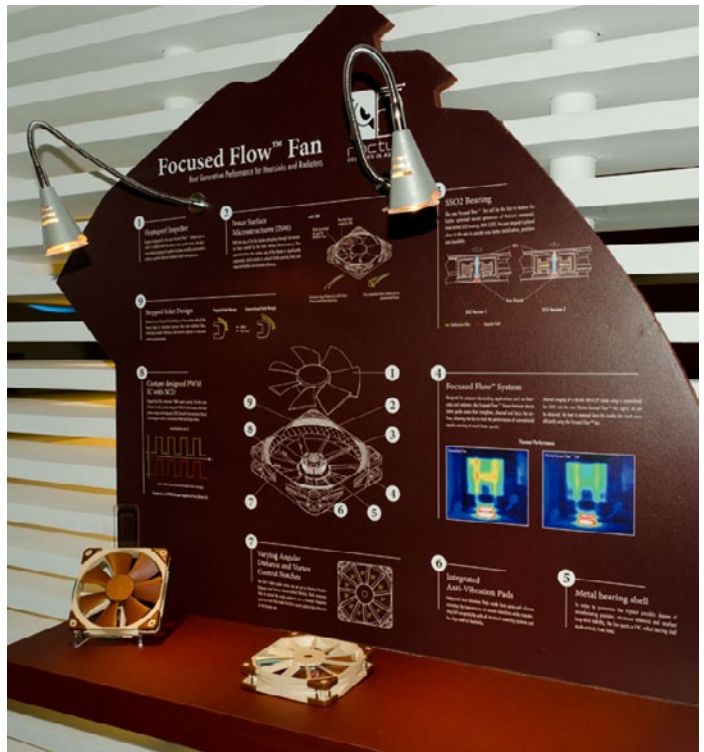
Noctua at Computex Taipei 2011



Exclusive showing of upcoming new products and prototypes:

- 120mm Focused Flow™ Fan (Exclusive)
- Mounting-Kit for Upcoming Intel LGA2011 Socket (Prototype)
- Low-Profile Dual Fan Cooler (Exclusive)
- Top-of-the-Range Triple Stack Cooler (Prototype)
- Top-of-the-Range Downdraft Cooler (Prototype)
- Slim 140mm U-Type Cooler (Prototype)
- New 140mm D-Type Cooler (Prototype)

120mm Focused Flow™ Fan (Exclusive)



- Focused Flow™ design with stator guide vanes that straighten, channel and focus the airflow
- Superior performance on heatsinks and radiators
- Advanced aerodynamic design measures (Varying Angular Distance, Vortex Control Notches, Stepped Inlet Design, Inner Surface Microstructures)
- Integrated Anti-Vibration Pads
- SS02 Bearing
- Custom designed PWM IC with Smooth Commutation Drive (SCD)

Focused Flow™ Fan

Inner Surface Microstructures

With the tips of the fan blades ploughing through the boundary layer created by the Inner Surface Microstructures, flow separation from the suction side of the blades is significantly suppressed, which results in reduced blade passing noise and improved airflow and pressure efficiency.

Stepped Inlet Design

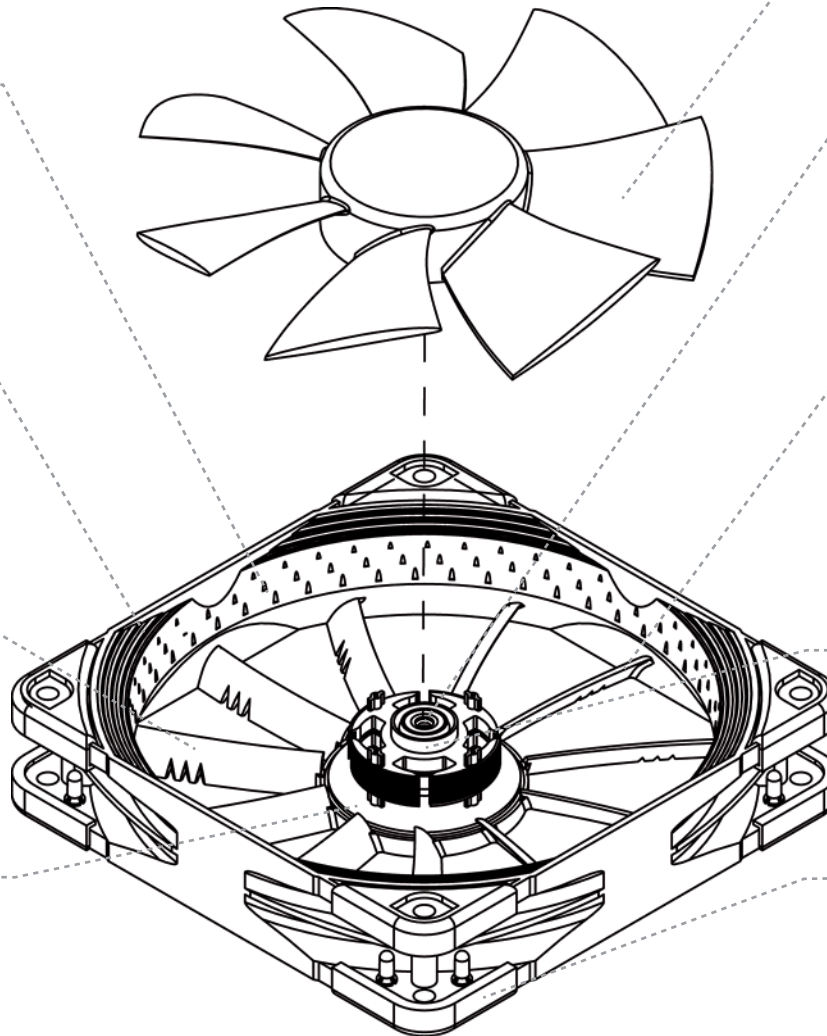
Noctua's Stepped Inlet Design adds turbulence to the influx in order facilitate the transition from laminar flow to turbulent flow, which reduces tonal intake noise, improves flow attachment and increases suction capacity, especially in space restricted environments.

Varying Angular Distance and VCN

The fan's stator guide vanes are set out in Varying Angular Distance and feature Vortex-Control Notches. Both measures help to spread the noise emission over a broader frequency spectrum and thus make the fan's sound pattern less obtrusive to the human ear.

Custom designed PWM IC with SCD

Supporting fully automatic PWM speed control, the fan uses Noctua's novel, custom designed PWM IC that boasts ultra-low power usage and integrates SCD (Smooth Commutation Drive) technology in order to eliminate PWM switching noises.



Heptaperf Impeller

Custom designed for the new Focused Flow™ system and to work in tandem with the eleven stator guide vanes, the fan's seven blade Heptaperf impeller has been carefully optimised to achieve a perfect balance between power and quietness.

SSO2 Bearing

The new Focused Flow™ fan will be the first to feature the further optimised second generation of Noctua's renowned, time-tested SSO bearing. With SSO2, the rear magnet is placed closer to the axis to provide even better stabilisation, precision and durability.

Focused Flow™ System

Designed for pressure demanding applications such as heatsinks and radiators, the Focused Flow™ frame features eleven stator guide vanes that straighten, channel and focus the airflow, allowing the fan to rival the performance of conventional models running at much faster speeds.

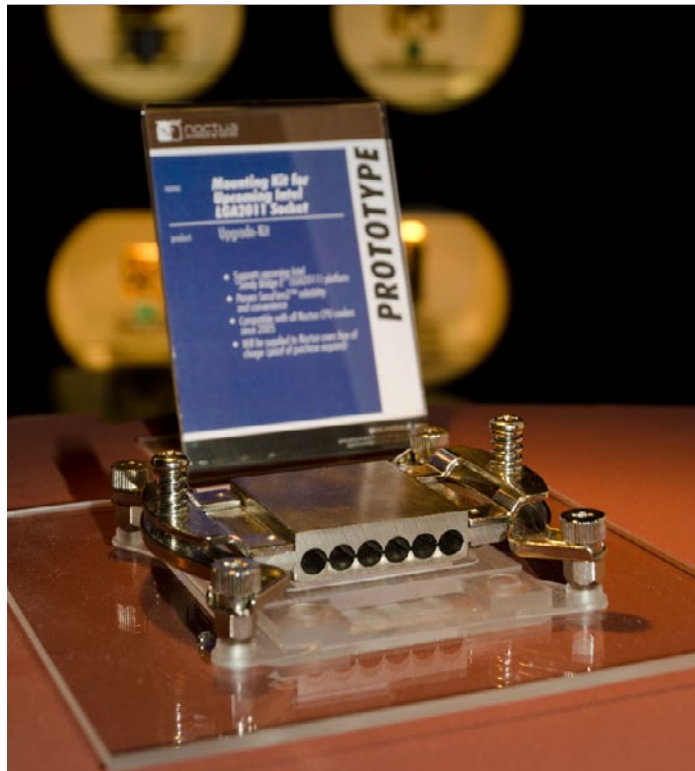
Metal bearing shell

In order to guarantee the highest possible degree of manufacturing precision, minimum tolerance and excellent long-term stability, the fan sports a CNC milled bearing shell made entirely from brass.

Integrated Anti-Vibration Pads

Integrated Anti-Vibration Pads made from extra-soft silicone minimise the transmission of minute vibrations while maintaining full compatibility with all standard mounting systems and fan clips used on heatsinks.

Mounting-Kit for Intel LGA2011 (Prototype)



- Supports upcoming Intel “Sandy Bridge E” (LGA2011) platform
- Proven SecuFirm2™ reliability and convenience
- Compatible with all Noctua CPU coolers since 2005
- Will be supplied to Noctua users free of charge (proof of purchase required)

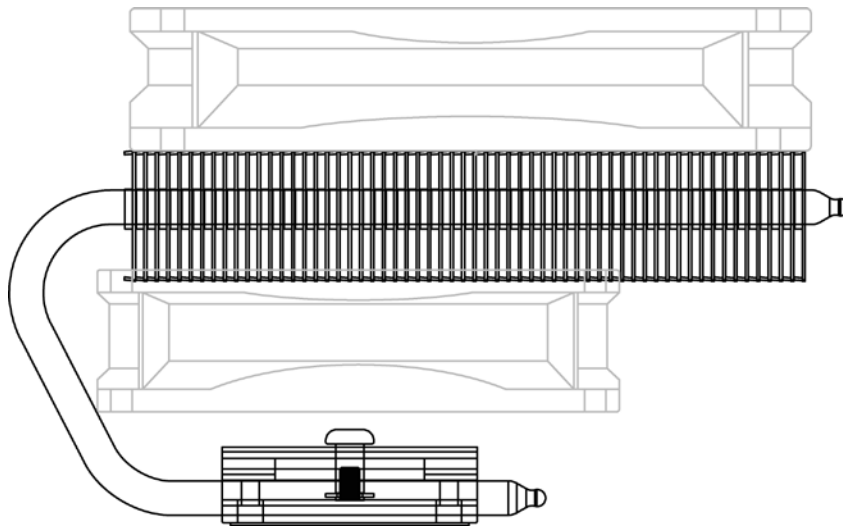
Low-Profile Dual Fan Cooler (Exclusive)



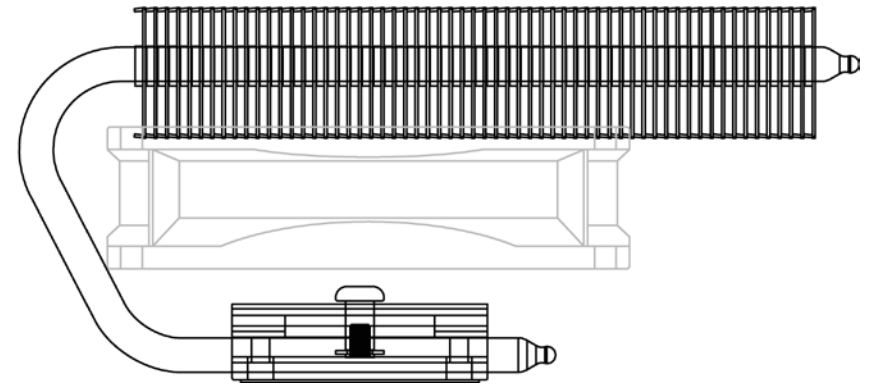
- Designed for mini-ITX mainboards and small HTPC enclosures
- 120/92mm dual fan design
- 4 heatpipes
- Only 66mm total height in low-profile mode

Low-Profile Dual Fan Cooler: Fan Configurations

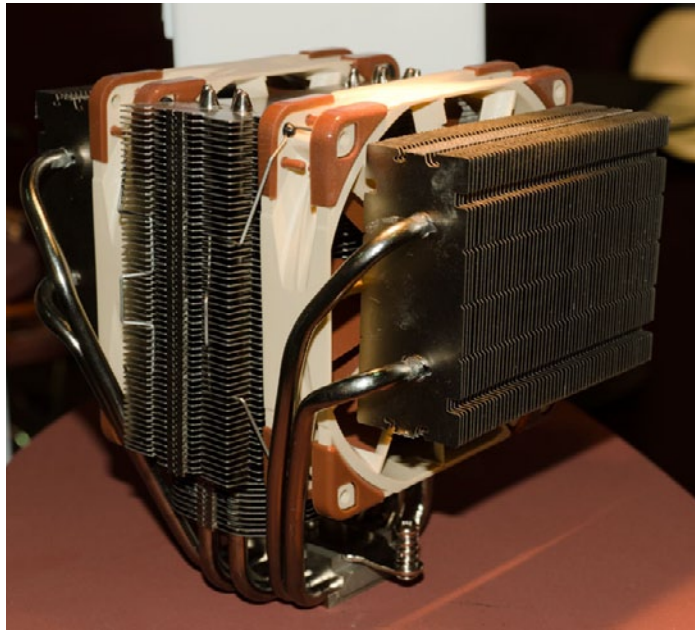
Dual Fan Mode (91mm Height)



Low Profile Mode (66mm Height)

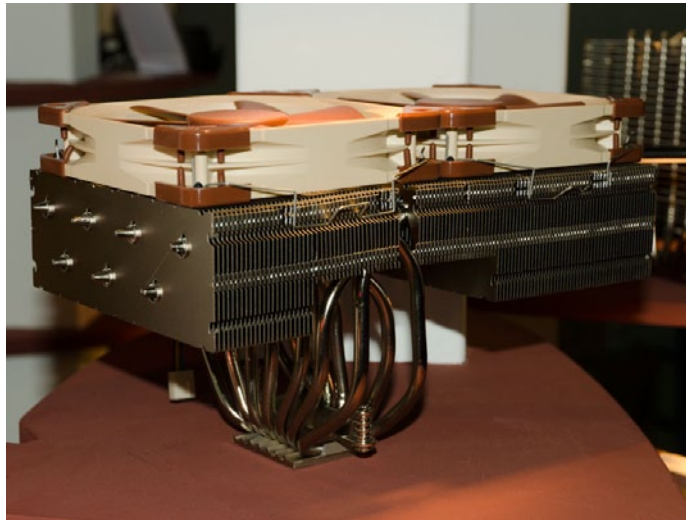


Top-of-the-Range Triple Stack Cooler (Prototype)



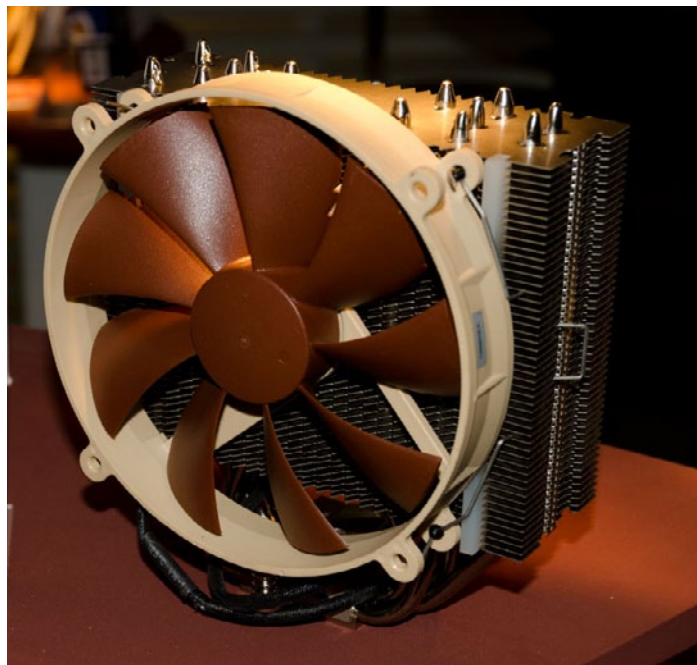
- 8 heatpipes and 20% more surface area than NH-D14
- 3 individual fin-stacks for better heat distribution and airflow efficiency
- Designed for two 120mm or 140mm fans
- Full RAM compatibility with modules of up to 70mm height

Top-of-the-Range Downdraft Cooler (Prototype)



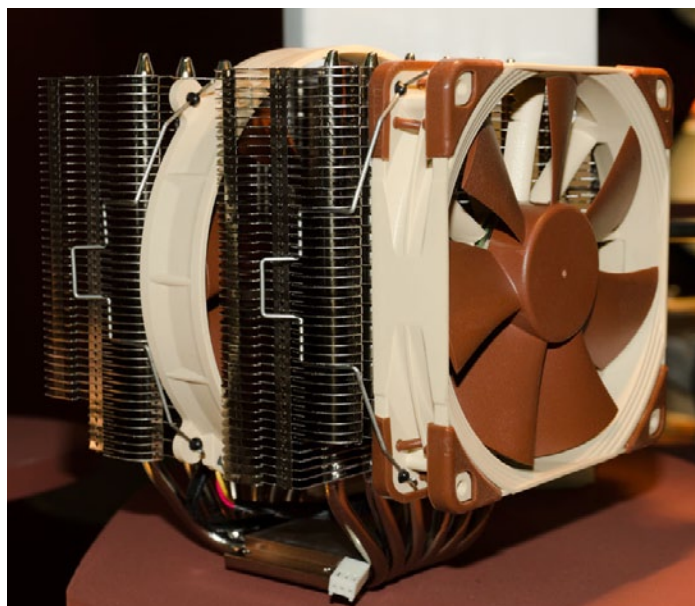
- 7 heatpipes and 20% more surface area than NH-D14
- Top-flow design for better component cooling
- Designed for two 120mm fans
- Full RAM compatibility with modules of up to 70mm height

Slim 140mm U-Type Cooler (Prototype)



- 7 heatpipes and slim layout for better clearance
- Designed for use with one or two 140mm fans
- 100% RAM compatibility and easy access to slots
- Fans will not overhang memory modules

New 140mm D-Type Cooler (Prototype)



- Based on the award-winning NH-D14
- 50 fins for more effective heat dissipation
- New alternating fin design for lower air-resistance
- Recessed lower fins give 60mm clearance for RAM modules