

**ENERMAX ETS-T40 SPECIFICATIONS**

Cooling Capacity	200+ watts
Fan Size	120mm
Noise Level	Min: 17.3dBA Max: 24.3, 28.3, or 31.2dBA*
Fan Speeds	Min: 800rpm Max: 1500, 1800, or 2200rpm*
Air Flow	Min: 37.6cfm Max: 71.3, 86.7, or 105.9cfm*
Heatpipes	4
Heatpipe Diameter	6mm
Size (HxWxD)	6.3 x 3.7 x 5.5 inches
Weight	610g
Compatibility	Intel LGA 775/1150/1155/1156/1366/2011 AMD AM2/AM2+/AM3/AM3+/FM1/FM2
Thermal Resistance	0.085°C/W
MTBF	100,000 hours

\*Adjustable Peak Speed



Want a second fan for a push-pull configuration? With a second set of clips, you can add your own.

“With that effect in mind, the sides of the CPU cooler are not completely enclosed because it allows for cooler air to be vacuumed directly into the heatsink.”

**Fan Facts**

Part of the ETS-T40’s success comes from its long-life, user-adjustable fan. The cooler comes with a single blower, but you can easily add a second fan using an extra set of metal clips.

Your PC will regulate the fan’s speed as necessary using PWM (pulse width modulation). That said, you can manually choose one of three maximum fan speeds using a small switch on the hub of the fan.

“The new innovation from ENERMAX, dubbed ‘Adjustable Peak Speed (APS)’ enables the adaptation of the fan to its field of application.” With APS, Lee says, ENERMAX “can address three different target groups with just one product,” meaning silent, mainstream performance, and overclocking rigs.

APS gives you control over the upper noise limit of the ETS-T40, while still allowing your system to adjust its cooling performance based on load. Rubber mounts prevent the fan from causing additional noise through vibration.

“End users can individually widen or limit the fan’s RPM range according to the system configuration

and requirements,” says Lee. “At the default setting, ‘Performance Mode,’ the fan runs at a maximum 1,800rpm, also dependent on the model. For installation in a silent PC system, the user can slow the speed down to a maximum of 1,500rpm, ‘Silent Mode,’ and make sure that the fan will work virtually silently. In ‘OverClock Mode’ the noise-generating factor does not play a major role. The APS fans will run up to 2,200rpm and reach the best possible cooling performance.”

The fan spins on ENERMAX’s Twister Bearing for a long life spent in silence.

“Compared to normal bearings, such as sleeve and 2-ball bearings, Twister Bearing creates less friction in its structure, thus producing lower noise levels and increases overall lifespan to 100,000 hours,” says Lee. “Furthermore, due to the special structural design, Twister Bearing allows the blades to be detached, so users can clean the blades easily to maintain optimal fan performance.”

**Only Getting Better**

At ENERMAX, “We have been putting enormous R&D efforts into exploring various methods for cooling systems,” says Lee. “ETS-T40 reaches a thermal resistance value as low as 0.09°C/W, while weighing only at 650g combined with an 1,800rpm fan, whereas other competitors need aluminum/copper material, to reach similar performance.

“Bundled with sufficient mounting brackets, the ETS-T40 supports most CPUs, including the latest 4th Generation Core Processors from Intel,” says Lee. “At a less than \$50 price point, it can still compete with other air coolers at the \$60 and greater price range.

“With a reasonable price tag, the ETS-T40 is definitely a great choice of CPU cooler for enthusiasts and professionals.” ■