



Indigo Xtreme™ Application Note for Corsair Hydro Series™ H60/80/100 CPU Coolers

This product is intended for installation only by expert users. Improper installation may result in damage to your equipment. Enerdyne Solutions assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at www.indigo-xtreme.com for the latest installation guides and application notes. Indigo Xtreme is a trademark of Enerdyne Solutions. Corsair Hydro Series is a trademark of Corsair Memory.

QUICK OVERVIEW

The following application note includes supplementary instructions to be used in conjunction with the Indigo Xtreme installation manual.



Read entire instructions before using Indigo Xtreme. Computer operating system and temperature monitoring utilities must be installed prior to use. Prior to installing Indigo Xtreme, mount the cooler radiator as illustrated in the Hydro Series installation manual. In addition, install the mounting bracket with the risers onto the motherboard.

WITHIN Step 11: HEAT SINK MOUNTING:

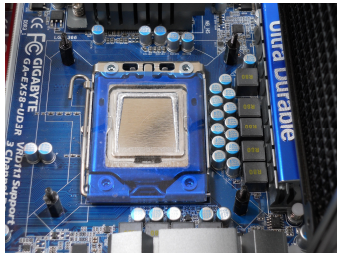


Figure 1

1. The Indigo Xtreme ETI can be seen mounted to the CPU (Figure 1).
2. Orient the cooler block to the ETI as seen in Figure 2.
3. Apply a uniform pressure to the cooler to prevent twisting or shifting. Tighten each cooler nut using a diagonal pattern until fully bottomed (Figure 3).

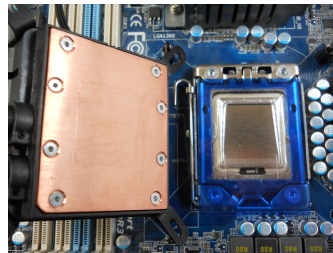


Figure 2

4. Plug the cooler fans into the cooler block and 3-pin connector into the CPU fan header on the motherboard. Plug the 4-pin power connector into the PSU.
5. Proceed to ETI Reflow Procedure (within the installation guide and illustrated below).

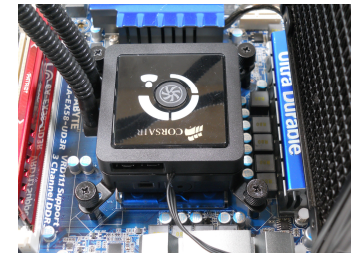


Figure 3

WITHIN ETI REFLOW PROCEDURE:

1. Orient the computer such that the motherboard and CPU are in a horizontal position.
2. Boot the computer. Clock frequency and voltage must be set to default (stock).
3. Use a CPU temperature monitoring program (such as SpeedFan™) and select the graphing option to track the profile of all core temperatures during reflow. Be certain the graph is open with all core temperatures selected before proceeding to the next step.
4. Exercise the CPU with a "burn" program (such as Prime 95™) to generate adequate heat for reflow. Multi-core CPUs require one open copy of the burn program for each core.
5. With the PC running, unplug the pump (cooler power connector from the PSU) and the fan connector from the CPU fan header; be certain there is no airflow across the radiator.
6. Follow the average core temperature profile (with SpeedFan) illustrated in the graph and table below; peak temperatures will vary depending on CPU type, ambient temperatures, etc.

#	H60/80/100 Coolers
1	All burn programs have been activated.
2	Core temperatures will immediately rise to peak of ~85-95°C.
3	Core temperatures will slowly begin to drop.
4	All core temperatures will drop to a Bottoming Point.
5	Following the Bottoming Point, average core temperatures will slowly rise again. Allow core temperatures to return to ~80-85°C.
6	Once core temperatures have reached ~80-85°C, de-activate all burn programs and shut down computer; allow PC to cool for at least 10 minutes before booting and connecting pump or fans.

