



AAVID
THERMALLOY

Heat Sink for Intel® Nocona™ 3.2GHz in 1U Servers

Preliminary

PASSIVE HEAT SINK FOR INTEL® NOCONA™ 3.2GHz PROCESSORS

Aavid's solution for Nocona™ 3.2GHz processors is designed specifically for thermal engineers who require high performance solution for single processor 1U servers. The heat sink exceeds Intel's® performance requirements for both thermal performance and weight.



CRITICAL APPLICATION NEEDS:

- *Cooling capacity to support processor thermal requirements*
- *Good thermal performance in limited airflow*
- *Ability to withstand shock and vibration without damage*
- *Easy to attach*

FEATURES AND BENEFITS:

- *Unique design uses the open area above the adjacent unused socket on the motherboard for additional fin area providing increased thermal efficiency and full CPU performance*
- *Low pressure drop design provides the necessary cooling without the addition of expensive blowers or additional fans.*
- *Rugged light weight construction reduces stress on retention mechanism. Some applications may require additional mounting points*
- *Mounts using two spring clips*

ORDERING INFORMATION:

Part Number	Description
037704	Passive heat sink for Xeon™ MP and Nocona™ processors
CS64	Mounting clip (2 required)

FOR MORE INFORMATION, VISIT OUR WEB SITE: WWW.AAVIDTHERMALLOY.COM
TEL: (603) 224-9988



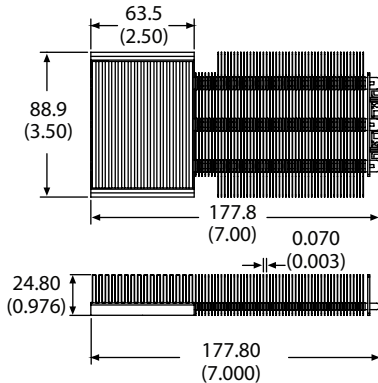
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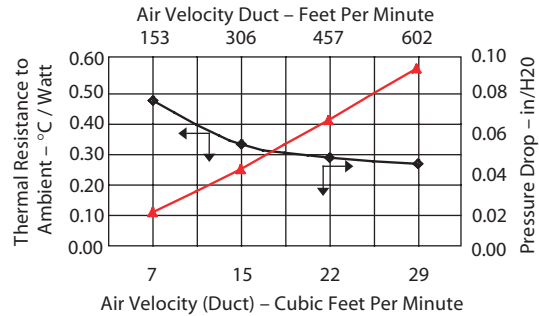
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MECHANICAL DRAWING:

Dimensions are shown as mm (in)



THERMAL PERFORMANCE:



PHYSICAL SPECIFICATION:

Socket Type	603 pin and 604 pin	
Construction	Base plate	Copper base with embedded heat pipes
	Fins	Aluminum folded fin and stamped fin stack
Thermal Interface Material¹	Shin Etsu G751 or X23-7762 grease	
Weight	260 grams	

Notes:

1. Not included. Contact factory for options on pre-applied grease or phase change material.

TEST PARAMETERS:

Test Platform: Aavid thermal test vehicle and wind tunnel along with Fluent Icepak simulation
 CPU Power: Modeled at 85W
 Simulation in accordance with Intel test methodology with zero bypass.

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