



# AIR BOOST

## FAN ASSISTED FLOOR TILES

Adjustable controls allow multiple settings of Air-flow depending on the amount needed at any certain point.

The Air-Boost fan assisted system is based on high-performance and balanced air flow fan assembly and offers direct cooling to those hard to cool areas where clusters of high-density servers have created hotspots. Adjustable controls allow multiple settings of air-flow depending on the amount needed at any certain time. The adjustment of fan speed is made from the top of the tile to allow quick and easy fan control.

No downtime or movement of racks is required for the installation of an Air-Boost unit and one Air-Boost can provide cooling for two or three adjacent racks. If larger areas require cooling, multiple Air-Boost units can be used at the same time. The Air-Boost, comes with a special high flow rate tile which, with proper static pressure under the floor is capable of delivering air volume (CFM) of upto 1300-1600 which in general is enough to cool racks of upto 8kW.

Air-Boost can be considered a "Greening" solution as well. Many times Data Centers are kept cooler than necessary just to cool a few high density areas. This over-cooling is used to keep the hotspots under control but with an Air-Boost solution in place, the overall room can be increased as the Air-Boost will control the individual and problematic hotspots without requiring an over-cooled Data Center.

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## Fan Specifications

**Wall ring** : Die Cast Aluminum  
**Blades** : Sheet Steel, Coated in Black  
**Number of Blades** : 7  
**RPM** : 2250  
**Rating** : 60,000 Hours @ 30° C  
**Approvals** : VDE, UL, CSA, CCC, GOST

**Type of protection** : IP 44  
**Insulation Class** : B  
**Bearings** : Maintenance-Free Ball Bearings  
**Motor Protection** : Top Wired Internally  
**Protection Class** : I  
**Product Confirming To Standards** : EN 60335-1, CE



### AirFlow Evaluation #1

Under Floor Static Pressure  
.029 inches/H<sup>2</sup>O

Air Flow with AirBoost

High : 1508 CFM  
 Medium : 1350 CFM  
 Low : 960 CFM  
 Off : 539 CFM

### AirFlow Evaluation #2

Under Floor Static Pressure  
.013 H<sup>2</sup>O

Air Flow with AirBoost

High : 1696 CFM  
 Medium : 1410 CFM  
 Low : 725 CFM  
 Off : 240 CFM

**Voltage** : 230 Volts (110V also available)  
**Current** : Low Speed 0.86 Amps, High Speed 1.28 Amps Inrush  
 2.9 Amps to 2.3 Amps in 5 Seconds  
**Dimensions** : 565mm x 565mm x 95 mm  
**Weight** : 14.5kg  
**Warranty** : 12 months

Product designed, manufactured and assembled in an ISO 9001:2000 certified manufacturing environment.

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