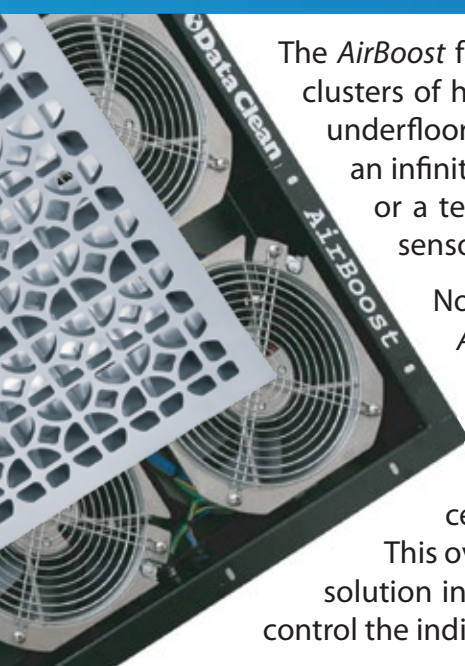


AIRBOOST

FAN ASSISTED FLOOR TILES



**Manual Control or Remote Temperature Control
to provide the required air-flow to those critical servers.**

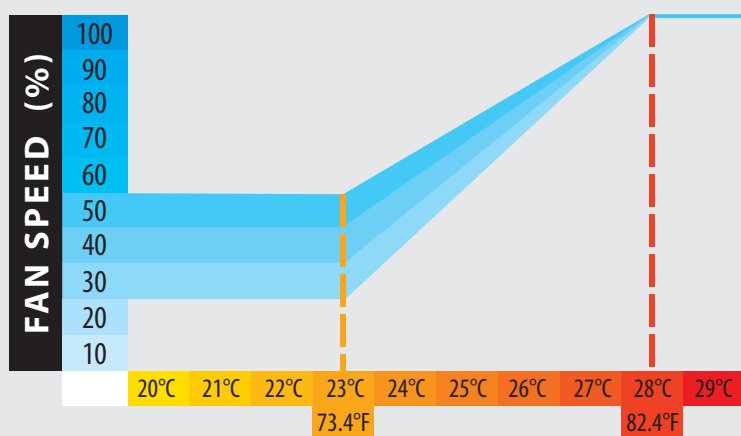


The *AirBoost* fan assisted system offers direct cooling to those hard to cool areas where clusters of high-density servers have created hotspots or where air-flow is low due to underfloor restrictions. The *AirBoost* is available in a manual controlled unit that allows an infinite adjustment of air-flow depending on the amount needed to cool an area or a temperature controlled unit that supports up to three remote temperature sensors to control fan speed as the temperature increases or decreases.

No downtime or movement of racks is required for the installation of an *AirBoost* unit and one *AirBoost* can provide cooling for two or three adjacent racks. If larger areas require cooling, multiple *AirBoost* units can be used at the same time.

AirBoost 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 *AirBoost* solution in place, the overall room temperature can be increased as the *AirBoost* will control the individual problematic hotspots without requiring an over-cooled data center.



*The graph shows the relationship of fan speed to temperature

Temperature Controlled *AirBoost*

The Nimbus SmartFan® controller by Control Resources Incorporated, controls the fan speed from temperature signals received from the 1 to 3 remote temperature sensors. The speed of the fans will increase or decrease according to temperature changes. The minimum or idle fan speed can be set at 30%, 40% or 50% depending on required constant air-flow.

FAN SPECIFICATION

Wall ring:	Die Cast Aluminium	Type of protection:	IP 44
Blades:	Sheet Steel, Coated in Black	Insulation Class:	B
Number of Blades:	7	Bearings:	Maintenance-Free Ball Bearings
RPM:	2,550	Motor Protection:	TOP Wired Internally
Ratings:	60,000 Hours @ 30°C	Protection Class:	I
Approvals:	VDE, UL, CSA, CCC, GOST	Product Conforming to Standards:	EN 60335-1, CE

AIRFLOW EVALUATION #1

Underfloor Static Pressure
0.029 inches / H²O

Air Flow with *AirBoost*

High: **1,696 CFM**
Medium: **1,410 CFM**
Low: **960 CFM**
Off: **539 CFM**



AIRFLOW EVALUATION #2

Underfloor Static Pressure
0.013 inches / H²O

Air Flow with *AirBoost*

High: **1,508 CFM**
Medium: **1,350 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
Plug type:	15 Amp, British Standard

Cord Length:	360 cm (12 ft)
Dimensions:	565mm x 565mm x 95mm
Weight:	14.5kg
Warranty:	1 year