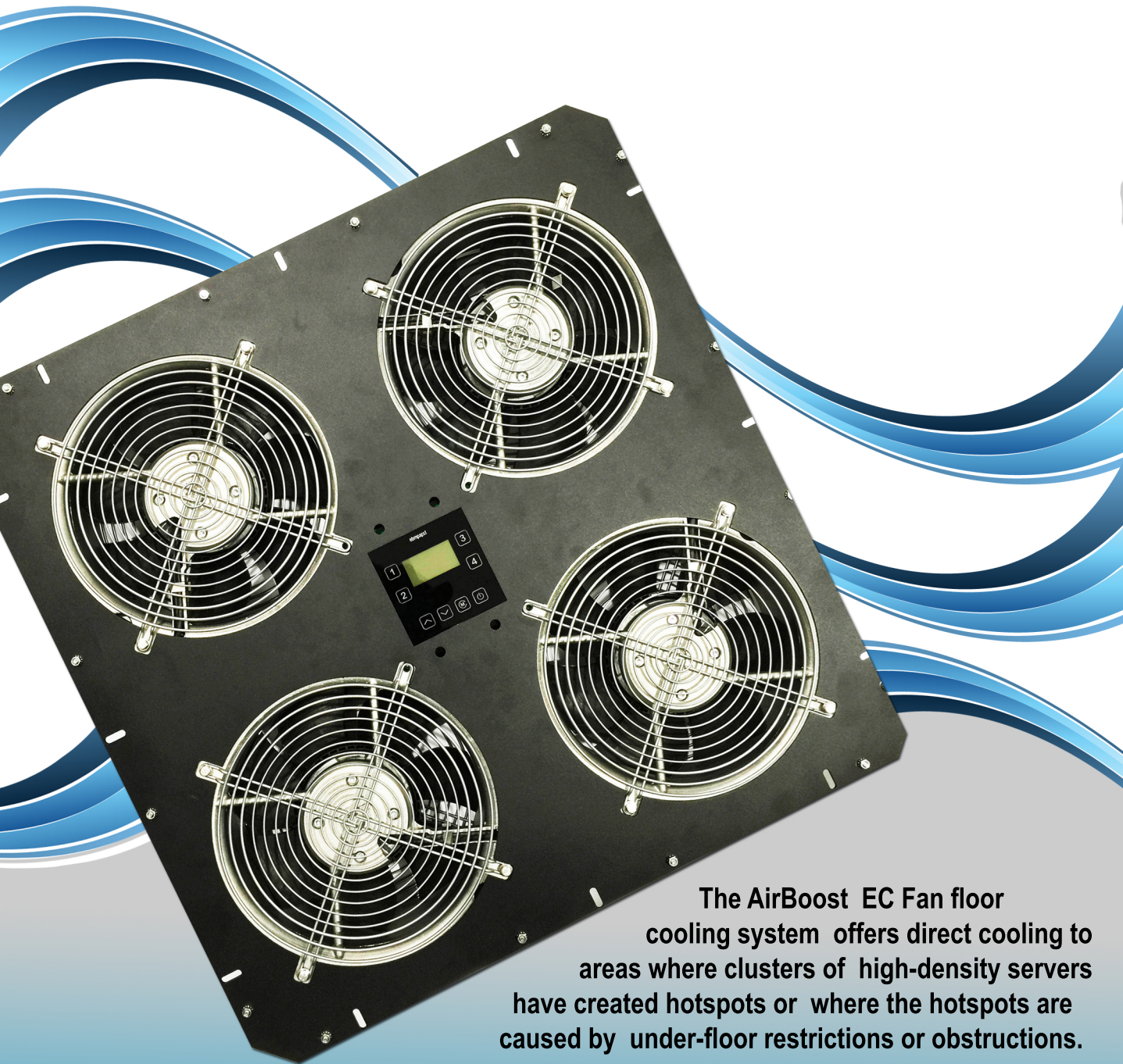




**The Controlled Environment Specialists**

# ***THE AIRBOOST EC***

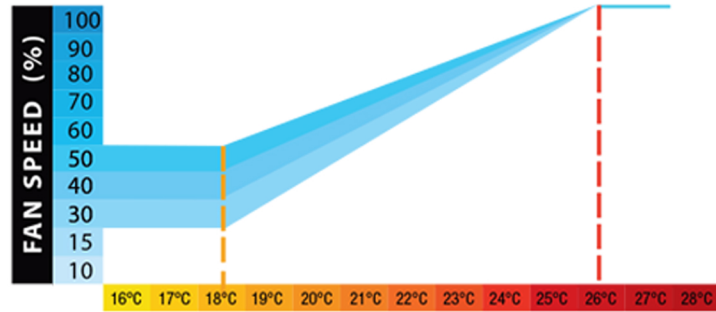


The AirBoost EC Fan floor cooling system offers direct cooling to areas where clusters of high-density servers have created hotspots or where the hotspots are caused by under-floor restrictions or obstructions.

It also provides additional airflow to allow the installation of higher KW loads per server rack. AirBoost units have been used to cool upwards of 15 kW server loads.

The Airboost EC comes with both manual control and remote temperature controlled features. The speed of the fans increase or decrease according to temperature changes in the surrounding area. AirBoost EC allows BMS connection to provide low and high temperature alarm information.

# AIRBOOST EC TEMPERATURE CONTROLLED



The remote temperature control will automatically adjust the fan speed, based on temperature changes. The Airboost EC controller by EBM was designed specifically to control and monitor up to 4 EC-Fans and is equipped with 1.8" Mono LCD and Touch Sense Technology. Set minimum or idle fan speed from 15% to 100%, depending on desired airflow.

Temperature sensor behavior (shown below)  
 \*Complete: 100% at 26°C, 60% at 22°C,  
 ON at 18°C, OFF at 16°C

\*The graph shows the relationship of fan speed to temperature

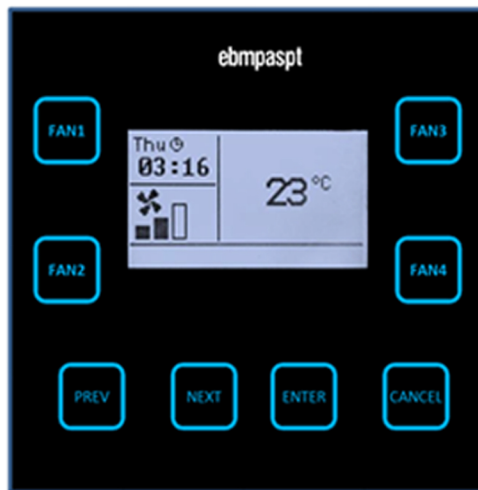
## FAN SPECIFICATION

Wall ring:	Die Cast Aluminium
Type of protection:	IP 44
Blades:	Sheet Steel, Coated in Black
Insulation Class:	B
Number of Blades:	7
Bearing:	Maintenance Free Ball Bearings
RPM:	2925
Motor Protection:	Top Wired Internally
Ratings:	60,000 hours @ 30°C
Protection Class:	1
Approval:	VDE, UL, CSA, CCC, GOST
Product Conforming to Standards:	EN 60335-1, CE

## AIRFLOW EVALUATION

Underfloor Static Pressure  
 0.2 inches/ H2O

Air Flow with Airboost EC  
 High: 2409 CFM  
 Medium: 1817 CFM  
 Low: 1033 CFM



## CONTROLLER NAVIGATION 8 BUTTONS

-4 fan buttons:  
 to indicate individual fan  
 -2 navigations button Up and Down  
 -1 mode button Auto Manual  
 -1 ON/OFF button Indications

4 fans button will show **GREEN** when fan is running, **BLUE** when it is selected and **RED** when an error condition.

**Voltage :** 230 Volts (110V also available)  
**Current:** Max speed 2.2 Amps  
**Plug Type:** 15 amps, British Standard

**Cord Length:** 300cm (10 ft)  
**Dimension:** 565mm x 565mm x 95mm  
**Weight:** 14.5 kg