

Data Cool Precision Air Control Solutions

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Data Cool Precision Air Control

WELCOME TO DATA AIRE | LEADERS IN PRECISION ENVIRONMENTAL CONTROL It's time to challenge the status quo. In this case study, you'll hear how the project team collaborated to reduce energy consumption and provide compressor-less cooling for 260 days a year at One Wilshire – one of the most densely connected buildings in the world.

HVAC Systems - Precison Air Conditioning | Data Aire

Traditional precision air conditioning is not appropriate in many cases as a data center cooling system. This type of air conditioning cannot provide adequate heat removal for data centers due to the problems of uneven heat distribution, load variations experienced during peak and off-peak periods, and high power density.

Data Center Precision Cooling System - DELTA

CRACs & CRAHs for today's most mission critical environments. Data Aire's mission critical technology is engineered into each of our precision air conditioners and air handlers. These chilled water or DX CRAC and CRAH systems provide 1 to 100 tons cooling capacity and offer you the agility, scalability and reliability you demand.

CRAC & CRAH Units | Data Aire - Precison Air Conditioning

Precision cooling is air conditioning specifically designed for IT equipment in places like data centers and computer rooms. Precision Cooling Systems are also purpose-built for the indoor agriculture market, whether that be for cannabis or a multitude of vertical farming crops. Comfort cooling is designed for people.

Precision Cooling vs Comfort Cooling | Data Aire

Our range of precision air conditioning solutions have been designed for a wide range of applications where close control, high precision air conditioning is essential, including data centres (from single server rooms through to hyperscale), telecom switching stations, medical operating theatres and clean room environments.

Precision AC - Airedale

The DENCO brand has a long and experienced history in the Precision Air Conditioning sector. This could be labs, archives, museums, server rooms or data centres, the products have focused on controlling the temperatures in the most critical of environments to give reliability and assurance to our customers.

Denco air conditioning systems - FläktGroup

Dehumidification mode, by definition, means removing humidity from the air without sending any cool air into the space. Since the cooling coil removes the moisture this means that the CRAC unit must run the cooling and the heating in the unit at the same time. There are two problems with this.

Temperature and Humidity Control for Mission ... - Data Aire

Precision air control calculators | Data Aire Manage environmental-control solutions with online gForce Ultra Energy Savings, Air Side Economizer Payback, and Estimate Refrigerant Charged calculators.

Precision air control calculators | Data Aire

Download sales brochures for floor units, ceiling units, in row units, gPod units, specialty units, heat exchangers and system controls.

Sales literature for precision air control ... - Data Aire

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Latest precision air control news | Data Aire

11-233kW Precision Air Conditioner An ultra-efficient, large capacity precision cooling system, delivering extremely quiet and accurate climate control for critical data centre applications. Chilled Water (CW), Direct Expansion (DX) and Dual Cool variants Free up premium IT space: Up to 30% more cooling kW/m²

SmartCool™ - Airedale

Precision air conditioners can handle higher heat and AC load densities per each unit. For larger premises, several units of precision air conditioners can coordinate with each other and automatically control (increase/decrease) individual AC loads, for efficient cooling.

Advantages of precision air conditioners for data centers ...

Precision Cooling: Data Centers Require More than Just 'Comfort Air Conditioning' By Sarah Rubenoff - April 1, 2019 Leave a Comment The Micro and Modular Data Centers are taking center stage to meet the growing Edge infrastructure demand because of the unique design, architecture and ease of deployment, and a combination of capabilities and several other factors.

Precision Cooling: Data Centers Require More than Just ...

DX Type Data center cooling systems DX Unit (Direct Expansion) close control unit also called as Air cooled System. It uses refrigerant as medium to transport heat generated in datacenter to outside. It is made up of Indoor unit, outdoor air-cooled condenser and refrigerant piping between indoor and outdoor unit.

Close Control Air Conditioning | Data Center Cooling System

Precision cooling is an air conditioning or cooling technique that is specifically designed for use in IT equipment and environments and is implemented in devices that directly cool electronic and IT equipment. It has better air filtration capabilities, higher air flow and advanced humidity control mechanisms than standard cooling techniques.

What is Precision Cooling? - Definition from Techopedia

Our precision air control equipment and intelligent energy management solutions serve customers worldwide in diverse applications ranging from edge computing and colocation data centers, to markets such as telecom, archives, government, agriculture, airports and higher education.

Company Overview - Precison Air Conditioning | Data Aire

Data Center Cooling Data center cooling equipment and mechanisms are required to keep the facility at an ideal temperature 24x7 and to prevent

critical IT equipment from overheating. Data center cooling systems can range from very basic fans to highly sophisticated heat transfer solutions to nothing at all except cool outside air.

Data Center Cooling Technologies and Best Practices ...

The precision air conditioner takes warm room air in at the top and delivers cool air through the floor permitting higher air quantities without disturbing the occupants. Modern technology rooms use a raised floor with a minimum clearance height of 9" (preferably 12 to

Why Do I Need Precision Air Conditioning?

Shenzhen Envicool Technology Co., Ltd., founded in 2005, is a hi-tech enterprise which specializes in research and development (R&D), manufacturing, marketing of environment control equipment, providing a full range of temperature control solutions and products for Data Center, Telecom Cabinet, Telecom Site, Industry Automation, Energy Storage, Transportation and so on.

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