

2008 Ashrae Environmental Guidelines For Datacom Equipment

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Finally, it should be noted that the 2008 change to the recommended upper temperature limit from 25°C to 27°C (77 °F to 80.6 °F) can have detrimental effects on the acoustical noise levels in the data center. See the section on “Acoustical Noise Levels” near the end of this document for a discussion of these effects. ©2008, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (www.ashrae.org).

2008 ASHRAE Environmental Guidelines for Datacom Equipment ...

2008 ASHRAE Environmental Guidelines for Datacom Equipment— Expanding the Recommended Environmental Envelope1 The recommended environmental envelope for IT equipment is listed in Table 2.1 of ASHRAE’s Thermal Guidelines for Data Processing Environments (2004). These recommended conditions, as well as the allowable conditions, refer to the

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Thermal Guidelines for Data Processing Environments, Third Edition vii Appendix A—2008 ASHRAE Environmental Guidelines for Datacom Equipment—Expanding the

Thermal Guidelines for Data Processing Environments, Third ...

New ASHRAE Thermal Guidelines for Air and Water Cooling Thermal Guidelines–2st Edition (2008) 0 10 20 30 40 50 60 70 80 90 100 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 Dry-Bulb Temperature (o F) Relative Humidity (percent) Class 1 Recommended (2004) Class 2 Recommended (2008) 28 oC N/A 8 to 80 N/A (82.4 oF) 5 to 40 oC 4 (41 to 104 oF) 28 oC

New ASHRAE Thermal Guidelines for Air and Water Cooling

ASHRAE Environmental Classes 2011 2008 Applications IT Equipment Environmental Control A1 1 Datacenter Enterprise servers, storage products Tightly controlled A2 2 Volume servers, storage products, personal computers, workstations Some control A3 NA Volume servers, storage products, personal computers, workstations Some control

ASHRAE Thermal Guidelines - Center of Expertise

The ASHRAE Thermal Guidelines for IT Equipment that includes the Environmental Classes is an important Datacom book that provides environmental characteristics for data center operators to follow in achieving a data center that is energy efficient. ASHRAE TC 9.9 described the environmental classes from its Thermal Guidelines for

TC 9.9 Data Center Environmental Guidelines ... - ASHRAE

IAQ 2020: Indoor Environmental Quality Performance Approaches; ... Standard 111-2008 (RA 2017) Standard 161-2018 . Standard 170-2017 . Standard 180-2018 Titles, Purposes, and Scopes of ASHRAE Standards and Guidelines (September 2020) Withdrawn Standards and Discontinued Projects (October 2020) ...

Standards and Guidelines - ASHRAE

Executive Summary ASHRAE TC 9.9 committee recently published the 2008 ASHRAE Environmental Guidelines for Datacom Equipment which extended the temperature-humidity envelope to provide greater flexibility in data center facility operations, particularly with the goal of reducing energy consumption.

Gaseous and Particulate Contamination Guidelines for Data ...

ASHRAE Standards and Guidelines are established to assist industry and the public by offering a uniform method of ... “Thermal Environmental Conditions ... Downloaded 5/9/2008 11:03 AM. Single user license only. Copying and networking prohibited. ANSI/ASHRAE STANDARD 55-2004 3 naturally conditioned spaces, ...

ASHRAE STANDARD Thermal Environmental Conditions for Human ...

the Thermal Guidelines in 2008 ASHRAE TC 9.9 expanded the environmental range for data centers so that an increasing number of locations throughout the world were able to operate with more hours of economizer usage. At the time of the first Thermal Guidelines the most important goal was to create a

2011 Thermal Guidelines for Data Processing Environments ...

ASHRAE Datacom Series. The Datacom Series provides a comprehensive treatment of data center cooling and related subjects, authored by ASHRAE Technical Committee 9.9, Mission Critical Facilities, Data Centers, Technology Spaces and Electronic Equipment. Thermal Guidelines for Data Processing Environments, Fourth Edition

Datacom Series - Data Center Cooling - ASHRAE

Clarification Statement: CDC and HICPAC have recommendations in both 2003 Guidelines for Environmental Infection Control in Health-Care Facilities and the 2008 Guideline for Disinfection and Sterilization in Healthcare Facilities that state that the CDC does not support disinfectant fogging. Specifically, the 2003 and 2008 Guidelines state:

Environmental Guidelines | Guidelines Library | Infection ...

The Environmental Protection Agency (EPA) list of VOCs is a comprehensive starting point to identify and reduce hazardous substances. Note that the use of a smart indoor air quality monitor is recommended by local and international regulatory bodies for the indoor air quality (IAQ) of private and public buildings. EPA IAQ Standards and Guidelines

IAQ Standards and Guidelines (EPA and ASHRAE Standard)

Did you know that according to a report by Energy Star on the recommendations of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), the recommended temperature near the inlet of servers should be in the range of 65-80 degrees Fahrenheit? Such guidelines are very important for ensuring the optimal functioning of data centers, since the environment has a huge impact on the functioning of the equipment at such facilities.

Does your Data Center Follow ASHRAE TC 9.9 Thermal ...

Title: Thermal Guidelines for Data Processing Environments Author: ASHRAE Special Publications Created Date: 6/24/2011 1:26:38 PM

Thermal Guidelines for Data Processing Environments

October 2008 ASHRAE Journal 53. health care ventilation design. Other documents, like the . HVAC . Design Manual for Hospitals and Clinics. 1. provide more depth and detail for the designer. In addition, many jurisdictions use or refer to the . Guidelines . for Design and Construction of Health Care Facilities, 2 . which