

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING
SECTION 23 XX XX
DIRECT EXPANSION COMPUTER ROOM AIR-CONDITIONER

1.5 DESIGN REQUIREMENTS

- A. The Data Cool™ direct expansion (DX) Computer Room Air-Conditioning (CARC) based cooling equipment shall be a self-contained factory assembled, piped, wired and factory run tested prior to shipment.
 - 3. The unit shall be floor or wall mounted.
 - 4. The units shall have horizontal airflow delivery
 - 5. The total cooling capacity (total and sensible), entering air conditions, air flow and electrical power requirements shall be as detailed on the project plans and schedule.
 - 6. Net capacities shall include losses due to fan motor heat.
 - 7. Quantities and configurations as shown on the project drawings.
 - 8. Safety Certification: Units shall be ETL or UL listed.

1.6 PERFORMANCE REQUIREMENTS

- A. The following specification describes the performance requirements for the direct expansion (DX) computer room based cooling equipment following the formal acceptance and throughout the life of the product.
 - 1. During the warranty and contract periods, the equipment must remain fully operational and available for use and meet the design requirements.
 - 2. The equipment provided should meet the capacity expectations stated in the project plans and schedule and continue to meet functional, reliability, and performance requirements of this contract after final acceptance
 - 3. In the event that the equipment fails to meet any requirements of this specification and the project plans and schedule after acceptance and during the warranty period, the manufacturer must take appropriate steps to correct the problem and bring the equipment back into compliance with the performance and reliability requirements at no cost to the buyer.

1.7 QUALITY ASSURANCE

- A. The manufacturer shall define and manage a process necessary to ensure that product and/or service conforms to customer requirements. As a means of implementing and demonstrating the defined processes, establish a quality management system in accordance with ISO 9001 International Standard.
- B. Product Safety: Product shall comply with North American safety standards. Tested by one of the following and bearing label indicating conditions of use:
 - 1. Intertek (ETL Listed Mark)
 - 2. Underwriters Laboratories, Inc. (UL)

1.8 COORDINATION

- A. Installing Contractor to coordinate installation of equipment with computer-room access flooring Installer.
- B. Installing Contractor to coordinate installation of equipment with server and network cabinet Installer.

1.9 WARRANTY

- A. Parts that fail during this period shall be repaired or a new part supplied by the manufacturer at no cost to the owner. Seller warrants its equipment to Buyer to be free from defects in material and workmanship for a period of eighteen (18) months from date of shipment, as long as equipment is utilized under normal conditions and service and is properly installed.