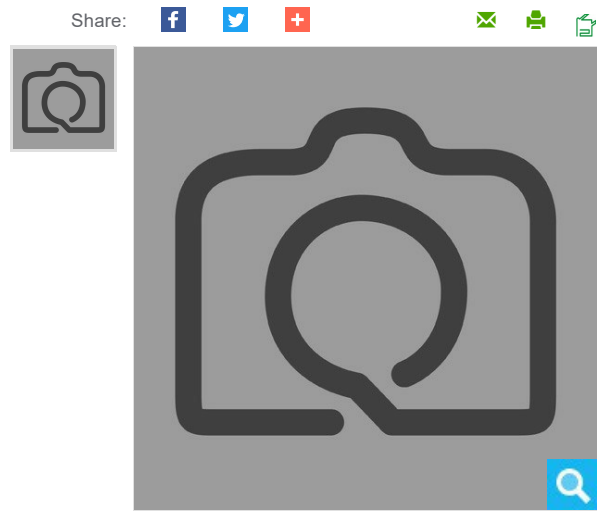


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CARP(13AG)BOT.DISCH.M.GREY HDCV5000D

0M-817820

★★★★★  
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| Product Overview                           | Ratings & Reviews                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Uniflair LE Features & Benefits            |                                                                                                                                                                                                                                                                                                                                              |
| Availability                               |                                                                                                                                                                                                                                                                                                                                              |
| Direct drive motors                        | Stress on bearings is nearly eliminated, increasing useful life. Allows integral fan/motor assembly to be factory balanced, which lowers vibration and expedites startup.                                                                                                                                                                    |
| Multi-functional Microprocessor Controller | Allows the units to restart after a power failure without intervention; Allows for room level redundancy with up to ten units operating in a group; User friendly navigation with icon based displays to indicate mode of operation as well as room conditions; Allows for communication with multiple Building Management System protocols. |
| Redundant Components                       | Single points of failure in the system have redundant components to maintain availability and reliability.                                                                                                                                                                                                                                   |
| Electronic expansion valve                 | Refrigerant flow optimization at any load and temperature conditions. Continuous indirect refrigerant charge monitoring                                                                                                                                                                                                                      |
| Active response control                    | Monitors and actively adjusts cooling capacity to ensure proper server inlet temperatures. Through the microprocessor controller, visibility into the operation and status of the unit is provided.                                                                                                                                          |
| Energy Management                          |                                                                                                                                                                                                                                                                                                                                              |
| Local area network                         | Creates a shared control between all the available resources for maximum energy efficiency and controlled management of the group during emergency situations                                                                                                                                                                                |
| Building Management Systems                | Units are designed to work with the most common BMS systems including BACnet and Modbus.                                                                                                                                                                                                                                                     |
| Automatic Floor Pressurization System      | Ensures stable airflow pressurization under floor regardless of changes made above the floor                                                                                                                                                                                                                                                 |
| Network interface                          | Provides management by connecting the device directly to the network with a dedicated IP address, avoiding the need for a proxy such as a server. Management is available via Web browser, Telnet or SSH. Notification features inform you of problems as they occur.                                                                        |
| Serviceability                             |                                                                                                                                                                                                                                                                                                                                              |
| Operational Service                        | Allows critical components to be maintained/replaced while the system is in operation.                                                                                                                                                                                                                                                       |
| Easy service access                        | Allows for all serviceable components to be replaced/maintained by easily accessible panels/doors.                                                                                                                                                                                                                                           |
| Service monitoring                         | All the monitoring devices on board the unit allow for preventive maintenance and a check of the working condition of the system while its in operation.                                                                                                                                                                                     |
| Total Cost of Ownership                    |                                                                                                                                                                                                                                                                                                                                              |
| Economization                              | Achieved by utilizing cool ambient air during winter months to take advantage of economizer hours and eliminating                                                                                                                                                                                                                            |

|                                |                                                                                                                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modular strategy               | compressor operation.<br>Modular design of the mechanical and control systems allow for gradual build-up of the cooling infrastructure to match the cooling demand of the facility. This greatly reduces CAPEX expenditures and provides deferred investment throughout the life of the facility. |
| Tandem compressors             | Quiet and efficient operation of compressors, connected on a common refrigerant circuit for staged capacity control (not available for some models/configuration)                                                                                                                                 |
| Optimized management           | Connection between the Computer Room Air Conditioners and the chillers guarantees energy efficiency, based on real instantaneous load conditions (optional)                                                                                                                                       |
| Electronically Commutated Fans | Provide the highest efficiency and reduce total power consumption by matching the airflow requirements to the heat load of the data center.                                                                                                                                                       |



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