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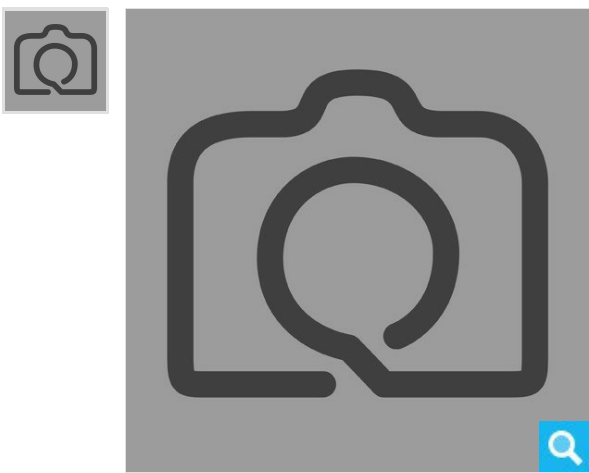
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Product Overview	Ratings & Reviews

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

	compressor operation.
Modular strategy	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 expeditures 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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