



CANATAL

Series 8

Intelligent Precision Air Conditioning System



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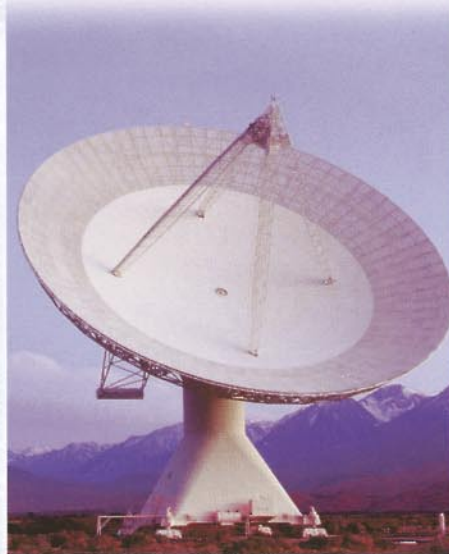
Engineered for telecommunication centers, equipment rooms and hi-tech offices, this new generation of modular precision air conditioning system features exceptional intelligence, reliability, high energy efficiency and precise control.



CANATAL

Anticipating your needs...





...and building on our expertise

Connectivity

RS485 Serial communication ports with Canatal controllers and software as well as popular BMS offer a cost effective yet powerful local and remote monitoring and control of all Canatal systems.



Reliability

Scroll compressor is used to achieve highest reliability, efficiency and lowest vibration and noise.

Simplicity

Display in selectable language coupled with large touch screen graphic LCD control panel provides all critical information at your fingertip.



Productivity

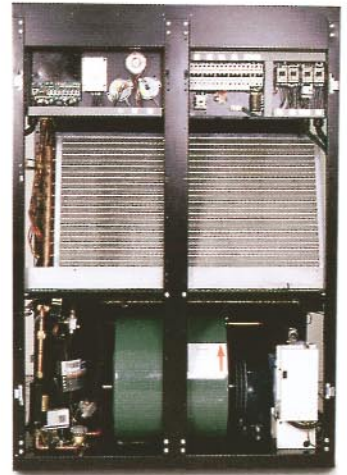
Innovative, fully proportional electric reheat system ensures the recommended and desirable rate of change of room temperature is achieved to eliminate thermal shock for electronic components resulting in maximum reliability, lowest operating cost and total removal of power disturbances associated with traditional, multi-step electric reheat.



Serviceable steam humidifier allows fast and easy cleaning of mineral deposits on electrodes

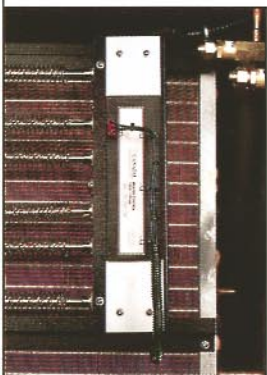


to reduce operating and replacement cost and to ensure full rated steam output capacity for optimum humidity control.



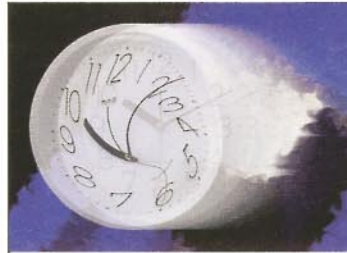
Serviceability

Frontal access with built-in testing and diagnostic utilities simplifies field-testing, troubleshooting and service.



"All for one, one for all"

Co-Work™ master-and-slave inter-network system unleashes the improvement in performance, reliability of a true modular precision air conditioning system with six key control functions:



Duty Sharing

The two levels of duty sharing equalize runtime of all duty and standby units to increase reliability.

Data Synchronization

All operation data can be changed at any master unit and is automatically synchronized among all the units under the same network to simplify operation.



.. The Co-Work™ approach



Sequential Load Activation

Co-Work™ coordinates the activation of the components for single unit as well as all units within the same network to minimize in-rush current and power disturbances, for highest productivity.

Control Redundancy

Co-Work™ allows multiple master units to co-exist in the same network to increase control system redundancy and to minimize overall system downtime.



Expansion of Control Steps

Co-Work™ improves system performance by expansion of a maximum of 8 control steps to provide precise capacity matching, optimum operating cost and maximum system reliability.

Control Value Averaging

Co-Work™'s ability to exchange and average sensor readings in multiple unit installations results in better temperature and relative humidity control as well as lowest operating cost.

Specification

50 Hz

Air Cooled, Downflow/Upflow at 24°C & 50% RH

| MODEL | 8AD/AU06 | 8AD/AU07 | 8AD/AU08 | 8AD/AU10 |
|-------------------------------------|------------------------------|----------|----------|----------|
| Total Capacity (kW) | 22.4 | 25.1 | 31.7 | 37.0 |
| Sensible Capacity (kW) | 20.9 | 25.1 | 29.8 | 34.8 |
| Nominal Airflow (m ³ /h) | 5,780 | 8,160 | 8,840 | 10,200 |
| Dimensions (mm) | 1,370(W) x 863(D) x 1,880(H) | | | |
| Approx. Weight (kg) | 420 | 420 | 450 | 450 |

Water Cooled, Downflow/Upflow at 24°C & 50% RH

| MODEL | 8WD/WU06 | 8WD/WU07 | 8WD/WU08 | 8WD/WU10 |
|-------------------------------------|------------------------------|----------|----------|----------|
| Total Capacity (kW) | 23.4 | 25.0 | 32.7 | 37.5 |
| Sensible Capacity (kW) | 21.3 | 25.0 | 30.3 | 34.9 |
| Nominal Airflow (m ³ /h) | 5,780 | 8,160 | 8,840 | 10,200 |
| Dimensions (mm) | 1,370(W) x 863(D) x 1,880(H) | | | |
| Approx. Weight (kg) | 445 | 445 | 475 | 475 |

Chilled Water, Downflow/Upflow at 24°C & 50% RH, 7.2°C EWT & 12.8°C LWT

| MODEL | 8CD/CU06 | 8CD/CU07 | 8CD/CU08 | 8CD/CU10 |
|-------------------------------------|------------------------------|----------|----------|----------|
| Total Capacity (kW) | 25.2 | 32.2 | 40.9 | 46.0 |
| Sensible Capacity (kW) | 20.8 | 26.9 | 33.3 | 37.5 |
| Nominal Airflow (m ³ /h) | 5,780 | 8,160 | 8,840 | 10,200 |
| Dimensions (mm) | 1,370(W) x 863(D) x 1,880(H) | | | |
| Approx. Weight (kg) | 375 | 375 | 390 | 390 |

60 Hz

Air Cooled, Downflow/Upflow at 75.2°F & 50% RH

| MODEL | 8AD/AU06 | 8AD/AU07 | 8AD/AU08 | 8AD/AU10 |
|---------------------------|-----------------------|----------|----------|----------|
| Total Capacity (Btu/h) | 74,723 | 86,323 | 110,549 | 131,362 |
| Sensible Capacity (Btu/h) | 70,287 | 86,323 | 103,042 | 120,785 |
| Nominal Airflow (cfm) | 3,400 | 4,800 | 5,200 | 6,000 |
| Dimensions (in) | 54(W) x 34(D) x 74(H) | | | |
| Approx. Weight (lb) | 925 | 925 | 990 | 990 |

Water Cooled, Downflow/Upflow at 75.2°F & 50% RH

| MODEL | 8WD/WU06 | 8WD/WU07 | 8WD/WU08 | 8WD/WU10 |
|---------------------------|-----------------------|----------|----------|----------|
| Total Capacity (Btu/h) | 74,040 | 87,688 | 111,913 | 131,362 |
| Sensible Capacity (Btu/h) | 69,946 | 87,006 | 103,725 | 120,785 |
| Nominal Airflow (cfm) | 3,400 | 4,800 | 5,200 | 6,000 |
| Dimensions (in) | 54(W) x 34(D) x 74(H) | | | |
| Approx. Weight (lb) | 980 | 980 | 1,045 | 1,045 |

Chilled Water, Downflow/Upflow at 75.2°F & 50% RH, 45°F EWT & 55°F LWT

| MODEL | 8CD/CU06 | 8CD/CU07 | 8CD/CU08 | 8CD/CU10 |
|---------------------------|-----------------------|----------|----------|----------|
| Total Capacity (Btu/h) | 85,982 | 109,866 | 139,550 | 156,952 |
| Sensible Capacity (Btu/h) | 70,970 | 91,783 | 113,620 | 127,950 |
| Nominal Airflow (cfm) | 3,400 | 4,800 | 5,200 | 6,000 |
| Dimensions (in) | 54(W) x 34(D) x 74(H) | | | |
| Approx. Weight (lb) | 825 | 825 | 860 | 860 |

* Glycol, Free Cooling and Dual Cooling systems are also available.



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