

# InfraStruXure InRow SC

In-row air conditioning for server rooms and wiring closets.

**The predictable solution for an unpredictable environment.** Unpredictable cooling performance is a common problem for IT managers. In today's server rooms and wiring closets traditional cooling methods leave many customers wondering why their equipment is still overheating. With the InfraStruXure™ InRow SC, APC has taken the guesswork out of cooling. Placing the unit in the row of racks moves the source of cooling closer to the heat load; this minimizes air mixing and provides a predictable cooling architecture. The InRow SC's plug and play, modular design allows for rapid installation. Network manageability, automatic restart and predictive failure notification provide maximum availability.

## Features and Benefits:

### AVAILABILITY:

**Ducted Condenser Air:** Uses unconditioned air from plenum space to reject the heat rather than conditioned room air.

**Condensate pump:** Collects and removes condensation from the air conditioner.

**Predictive failure notification:** Maximizes system availability by providing early warning of required fan or filter replacement.

**High Head Pressure Protection:** Modulates fans to prevent unit from overloading in high demand situations.

**Coil freeze protection:** Hot gas bypass prevents the evaporator coil from freezing during light load conditions.

**Automatic Restart:** In the event of a power failure the InRow SC will resume operation.

### MANAGEABILITY:

**Real-time Capacity Monitoring:** Enables user to view actual cooling provided by the unit.

**Network manageable:** View the user interface with a browser. Gives quick access from anywhere on the network.

**Microprocessor controller:** The system is controlled by a microprocessor, with an 80-character LCD backlit alphanumeric display, that provides communication and alarm indication.

### InfraStruXure Manager

**Compatible:** Enables centralized management via APC's InfraStruXure Manager.

**Building management system integration:** Send alarms and data points allowing you to manage critical building infrastructure from a single system.

### AGILITY:

**In-Row architecture:** Provides increased predictability of cooling performance.

**Modular design:** Modular design provides scalable solutions to add cooling as demand increases.

**Easy to install:** Self-contained, air cooled design allows for fast, easy installation.

### SERVICEABILITY:

**Hot swappable fans:** Allows system to remain operational if a fan replacement is required.

**Washable filters:** Easy to maintain, cleanable, deep loading mesh filter removes particles from the return air stream.

### TOTAL COST OF OWNERSHIP:

**Rack inlet control:** Rack inlet control guarantees inlet temperature to IT equipment.

**Variable speed fans:** Variable speed fans reduce energy consumption during off-peak cooling periods.

For more information about APC's InfraStruXure™ products, go to [www.apc.com](http://www.apc.com)



**APC**<sup>®</sup>  
Legendary Reliability<sup>®</sup>



Technical Specifications	ACSC100	ACSC101
<b>PERFORMANCE</b>		
Net Sensible Cooling Capacity <i>at 72°F DB, 58.7°F WB (22.2°C DB, 14.8°C WB)</i>	4.8 kW (16,200 BTU/hr)	3.9 kW (13,400 BTU/hr)
Net Sensible Cooling Capacity <i>at 80°F DB, 62.5°F WB (26.7°C DB, 16.9°C WB)</i>	5.0 kW (17,200 BTU/hr)	4.4 kW (14,900 BTU/hr)
Net Sensible Cooling Capacity <i>at 85°F DB, 65°F WB (29.4°C DB, 18.3°C WB)</i>	5.3 kW (18,000 BTU/hr)	4.6 kW (15,700 BTU/hr)
Airflow	1200 CFM (566 l/s)	
Input Voltage	200–240V, 60 Hz	200–240V, 50 Hz
Power Consumption	2,940 Watts	2,530 Watts
Cooling Type	Air Cooled Self Contained	
Refrigerant Type	R-410A	
Audible Noise	79.9 dBA at 1 meter	
<b>COMMUNICATION AND MANAGEMENT</b>		
Interface	Multi-function LCD display and control console, Network Management Card, RS-485 Modbus Connection, Dry Contact Outputs	
<b>PHYSICAL</b>		
Net Weight	358.00 lbs (162.73 kg)	
Net Height	78.40 inches (1,991 mm)	
Net Width	11.80 inches (300 mm)	
Net Depth	42.10 inches (1,069 mm)	
Color	Black	
Shipping Weight	529.00 lbs (240.45 kg)	
Shipping Height	84.90 inches (2,156 mm)	
Shipping Width	30.00 inches (762 mm)	
Shipping Depth	44.80 inches (1,138 mm)	
<b>CONFORMANCE</b>		
Standard Warranty	1 Year Repair or Replace	
Regulatory Approvals	BSMI, EN 55022 Class A, FCC Part 15 Class A, ICES-003, UL Listed, VCCI, VDE	

APC's quality system is certified by ISO 9001 standards



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