

# SmartRack 33U Standard-Depth Self-Cooling Rack Enclosure with 3.5kW (12kBTU) Top-of-Rack Air Conditioner

MODEL NUMBER: SRCOOL3KTP33U



Houses, organizes, secures and cools standard rack equipment in edge micro data centers and other mission-critical IT applications.

## Features

### Rack Cabinet/Cooling Unit Combo with a Convenient Space-Saving Design

The SmartRack® SRCOOL3KTP33U combines the SR33UBAC Standard-Depth Rack Enclosure Cabinet and the SRCOOL3KTP Top-of-Rack Precision Cooling Air Conditioner into one convenient plug-and-play platform. It is an ideal bundle for tight-fitting edge micro data centers and other mission-critical IT applications, including retail and commercial outlets (storefronts and branch offices), light industrial environments (factories and warehouses) and research/development locations (laboratories and workshops).

### Standard-Depth 33U Server Cabinet Accommodates 19 in. Rack Equipment

This SR33UBAC rack enclosure is constructed from heavy-duty steel with a durable black powder-coated finish. The EIA-compliant rack has a maximum stationary load capacity of 3000 pounds (1363 kilograms) and a maximum rolling load capacity of 2250 pounds (1022 kilograms).

### 12,000 BTU Cooling Capacity Protects Your Equipment and Prevents Expensive Downtime

The top of the rack is left open to accommodate the SRCOOL3KTP air conditioner. It delivers 3.5kW (12,000 BTU) of cooling to your equipment to help prevent sudden shutdowns, malfunctions and other failures caused by overheating or fluctuating temperatures. The self-contained close-coupled cooling unit mounts on top of the enclosure to save valuable rack space and floor space. Top installation allows cold air to flow downward and heat to rise naturally. The rack is specially outfitted with sealing panels to prevent loss of airflow.

### Rack AC Unit Focuses Cold Air Where It's Most Needed

The low-maintenance SRCOOL3KTP requires no HVAC specialist to install. It uses environmentally friendly R410A refrigerant to focus cold air directly into the rack to efficiently cool equipment. Variable fan speed adjusts the cooling output to the need of the IT load to prevent on/off cycling and large temperature swings. An included color touchscreen LCD allows convenient status monitoring and diagnostics right at your fingertips.

### Built-In Evaporator Expels the Condensed Water Through the Exhaust Duct

The evaporator expels water through the exhaust duct, which means no costly plumbing connections or water tanks to empty. No external condenser or refrigerant piping is required for operation. Internal leak detection automatically turns off the cooling system to prevent condensate from entering the rack.

## Highlights

- Rack maximum capacity: 3000 lb. (1361 kg) stationary, 2250 lb. (1021 kg) rolling load
- 3.5kW (12kBTU) Top-of-Rack cooling unit with a emergency cover that protects against overheating
- Top-of-rack mounting saves floor space and allows cold air to flow naturally downward, and hot air up
- Built-in LX Platform interface allows full remote monitoring and control 24/7

## Package Includes

- SRCOOL3KTP Top-of-Rack Precision Cooling Air Conditioner
- SR33UBAC 33U Server Rack
- (2) Doors with Plexiglas window
- (2) Side panels
- (2) Side panel locks
- (2) Keys
- (50) M6 screws
- (50) M6 washers
- (50) M6 cage nuts
- Touchscreen LCD and necessary cabling
- Rack-mounting hardware
- Owner's manuals



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#### Commercial-Grade Components for Reliable Performance

With a 100-percent duty cycle, the SRCOOL3KTP can run continuously without costly downtime. It uses copper tubing that is stronger than the aluminum tubing used in most consumer cooling units. The copper allows higher pressures and better weld joints to stand up to the constant vibration of the running compressor.

#### LX Platform Remote Network Interface Offers 24/7 Monitoring and Control

The built-in LX Platform's PowerAlert® Device Manager allows round-the-clock management of the SRCOOL3KTP. You can configure settings, events and actions, as well as power the unit on and off or graph temperatures over time without being on site. You can also receive configurable alarm notifications via email, SMS or SNMP. The SRCOOL3KTP will restart automatically after a power failure.

#### Keeps Important Equipment Secure

The SR33UBAC's reversible front and back doors and removable side panels lock securely with the included keys to help prevent damage, tampering or theft. The doors and side panels are designed for quick release, making it simple to access connected equipment and cabling with little effort. The sealed bottom panel features cable entry ports that allow swift cable routing through the cabinet. Plexiglas panels in both doors optimize cooling within the enclosed space.

#### Easy Enclosure and Equipment Installation

The SR33UBAC comes assembled for quick and easy deployment with pre-installed (and removable) casters that let you maneuver it over a level surface and through a standard doorway into position, where it can be stabilized by adjusting the levelers (also removable). Front and rear mounting rails accept standard rack equipment up to 37 inches (940 millimeters) deep. Toolless 0U mounting rails allow quick installation of up to four compatible PDUs and vertical cable managers.

#### Designed for Baying Multiple Enclosures in a Row

Built-in baying brackets allow the combination of two or more rack cabinets in a row. Center-to-center width can be set at 24 inches (600 millimeters) to match standard data center floor tiles.

#### Meets Payment Card Industry Standards

The SRCOOL3KTP33U provides physical equipment and media security required for PCI DSS (Payment Card Industry Data Security Standard) compliance. This is essential for companies that process, store and/or transmit credit card information.

## Specifications

| OVERVIEW                           |                                  |
|------------------------------------|----------------------------------|
| UPC Code                           | 037332275721                     |
| Device Compatibility               | Network Switch; PDU; Server; UPS |
| INPUT                              |                                  |
| Electrical Consumption (Max)       | 3536 Watts                       |
| Nominal Input Voltage(s) Supported | 208V AC                          |
| Nominal Input Voltage Description  | 208V AC 60 Hz                    |
| Input Connection Type              | Hardwire                         |
| Input Plug Features                | Hardwire                         |
| Voltage Compatibility (VAC)        | 208                              |
| Input Frequency                    | 60 HZ                            |
| COOLING                            |                                  |



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|                                      |                          |
|--------------------------------------|--------------------------|
| Cooling Capacity (BTUs)              | 12000                    |
| Cooling Capacity (kW)                | 3.5                      |
| <b>PHYSICAL</b>                      |                          |
| Color                                | Black                    |
| Rack Height                          | 33U                      |
| Rack Depth                           | Standard                 |
| Form Factors Supported               | Rackmount                |
| Maximum Device Depth (cm)            | 93.98                    |
| Maximum Device Depth (in.)           | 37                       |
| Maximum Device Depth (mm)            | 940                      |
| Unit Dimensions (hwd / in.)          | 78.100 x 23.730 x 42.950 |
| Weight Capacity - Stationary (kg)    | 249                      |
| Weight Capacity - Stationary (lbs.)  | 550                      |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                          |
| Built-in Cable Management            | No                       |
| Extra Wide                           | No                       |
| Locking                              | Yes                      |
| Pre-Installed Casters                | Yes                      |
| Outdoor Use                          | No                       |
| <b>STANDARDS &amp; COMPLIANCE</b>    |                          |
| Product Compliance                   | RoHS                     |

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