

Rittal 3303500

Rittal 3303500 Top Therm Wall Mounted Air Conditioner User Manual

Model: 3303500 | Brand: Rittal

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Rittal 3303500 Top Therm Wall Mounted Air Conditioner. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the unit or injury to personnel.



Figure 1: Front view of the Rittal 3303500 Top Therm Wall Mounted Air Conditioner.

SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury:

- Ensure the unit is properly grounded.
- Disconnect power before performing any maintenance or service.
- Do not operate the unit with damaged cords or plugs.
- Refer all servicing to qualified service personnel.
- Do not block air inlets or outlets.

SETUP AND INSTALLATION

The Rittal 3303500 unit is designed for wall mounting and comes fully wired and ready for connection. It includes drilling

templates and assembly hardware for convenience.

1. Unpacking

1. Carefully remove the air conditioner from its packaging.
2. Inspect the unit for any signs of damage during transit. Report any damage to the carrier immediately.
3. Verify all components listed in the packing list are present.

2. Mounting Location

Select a mounting location that allows for adequate airflow around the unit and provides easy access for maintenance. Ensure the wall can support the unit's weight (approximately 41 lbs).



Figure 2: Dimensions of the Rittal 3303500 unit. The unit measures approximately 11.02 inches in width, 21.64 inches in height, and 7.86 inches in depth.

3. Installation Steps

1. Using the provided drilling template, mark the mounting holes on the wall.
2. Drill the necessary holes and secure the mounting hardware.
3. Carefully lift and attach the air conditioner to the secured mounting hardware.
4. Connect the power supply (230 V, 50/60 Hz) to the plug-in terminal strip. Ensure connections comply with local electrical codes.

OPERATING INSTRUCTIONS

The Rittal 3303500 features a comfort controller for easy temperature management.

1. Powering On

Once installed and connected to power, the unit will power on. The comfort controller display will illuminate.

2. Setting Temperature

- Use the controls on the comfort controller to adjust the desired temperature.
- The factory setting for the temperature control is 95°F (35°C).
- The operating temperature range is 20°C to +55°C (68°F to 131°F).

3. Airflow

The unit's fans provide an air displacement of 203 cfm for the external circuit and 182 cfm for the internal circuit. Ensure no obstructions are present near the air inlets and outlets.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Rittal air conditioner. Always disconnect power before performing maintenance.

1. Filter Cleaning/Replacement

The unit features a nano-coated condenser coil, which helps in reducing maintenance. However, regular inspection of air filters is recommended.

- Check air filters monthly, or more frequently in dusty environments.
- Clean filters using a vacuum cleaner or by washing with mild soap and water. Ensure filters are completely dry before reinstallation.

2. Condenser Coil Inspection

Periodically inspect the nano-coated condenser coil for any debris buildup. While the coating reduces maintenance, severe dust or lint accumulation can impair performance. Clean gently with a soft brush or vacuum if necessary.

3. General Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

This section provides solutions to common issues you may encounter with your Rittal 3303500 air conditioner.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; tripped circuit breaker; loose connection.	Check power cord connection; reset circuit breaker; ensure terminal strip connections are secure.
Insufficient cooling.	Blocked air filters; obstructed air vents; ambient temperature too high.	Clean or replace air filters; clear obstructions from vents; ensure unit is operating within specified temperature range.
Unusual noise from unit.	Loose components; fan obstruction.	Inspect for loose screws or panels; check for debris in fan blades. If noise persists, contact qualified service personnel.

If the problem persists after attempting these solutions, please contact Rittal customer support or a qualified service technician.

SPECIFICATIONS

Detailed technical specifications for the Rittal 3303500 Top Therm Wall Mounted Air Conditioner:

Model: 3303500

Type: Wall Mounted Air Conditioner with Comfort Controller

Cooling Capacity (L 35 L 35): 500/610 W (1708/2083 BTU)

Voltage: 230 V

Frequency: 50/60 Hz

Rated Current: 2.6 A

Power Consumption (L 35 L 35): 360 W (50 Hz) / 380 W (60 Hz)

Refrigerant: R134a, 170 g (6.0 oz)

Operating Temperature Range: 20°C to +55°C (68°F to 131°F)

Dimensions (W x H x D): 11-1/64" x 21-41/64" x 7-55/64" (approx. 11.02" x 21.64" x 7.86")

Weight: Approximately 41 lbs

Protection Rating (External Circuit): IP 34 (NEMA 2)

Protection Rating (Internal Circuit): IP 54 (NEMA 12)

Air Displacement (External Fan): 203 cfm

Air Displacement (Internal Fan): 182 cfm

Special Features: Nano coated condenser coil, Comfort Controller

Color: Light Grey

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty card included with your purchase or visit the official Rittal website. For technical support, spare parts, or service inquiries, please contact Rittal customer service.

Rittal Official Website: www.rittal.com

Please have your model number (3303500) and serial number ready when contacting support.

Related Documents - 3303500

 <p>Rittal - The System. Rittal - The System. Rittal - The System.</p> <p>Speed control EC</p> <p>Assembly and operating instructions</p> <p>Assembly and operating instructions</p>	<p>Rittal Speed Control EC 3235.460: Assembly and Operating Instructions</p> <p>Official assembly and operating instructions for the Rittal Speed Control EC unit (Model 3235.460). Covers application, safety, functional description, electrical connection, technical data, and warranty for Rittal enclosure climate control systems.</p>
 <p>Rittal - The System. Rittal - The System. Rittal - The System.</p> <p>Blue e+ chiller for cooling media</p> <p>Assembly and operating instructions</p> <p>Assembly and operating instructions</p>	<p>Rittal Blue e+ Chiller: Assembly and Operating Instructions for Cooling Media</p> <p>Comprehensive assembly and operating manual for Rittal Blue e+ chillers (SK 3320200, SK 3334300, SK 3334400, SK 3334307, SK 3334407). Covers installation, commissioning, operation, maintenance, and troubleshooting for efficient cooling media management.</p>
 <p>Rittal - The System. Rittal - The System. Rittal - The System.</p> <p>Roof-mounted fan</p> <p>Assembly and installation instructions</p> <p>Assembly and installation instructions</p>	<p>Rittal Roof-Mounted Fan Installation and Operation Manual</p> <p>Comprehensive guide for the installation, operation, and maintenance of Rittal roof-mounted fans, including safety instructions, technical specifications, and accessories.</p>
 <p>Rittal - The System. Rittal - The System. Rittal - The System.</p> <p>Refrigerador para armarios de distribución</p> <p>Indicaciones de montaje, instalación y mantenimiento</p> <p>Indicaciones de montaje, instalación y mantenimiento</p>	<p>Rittal Blue e+ Refrigeradores para Armarios de Distribución: Manual de Instalación y Operación</p> <p>Manual de Rittal que detalla el montaje, instalación y operación de los refrigeradores Blue e+ para armarios de distribución (modelos SK 3178800 a SK 3184840), incluyendo seguridad, especificaciones y mantenimiento.</p>
 <p>Rittal - The System. Rittal - The System. Rittal - The System.</p> <p>One-piece console One-piece console One-piece console</p> <p>Assembly and operating instructions</p> <p>Assembly and operating instructions</p>	<p>Rittal One-Piece Consoles: Assembly and Operating Instructions</p> <p>Comprehensive assembly and operating instructions for Rittal's one-piece consoles (TP series), covering safety, installation, maintenance, and technical specifications. Includes guidance for various models like TP 6746.600, TP 6748.600, TP 6740.600, and TP 6742.600.</p>

