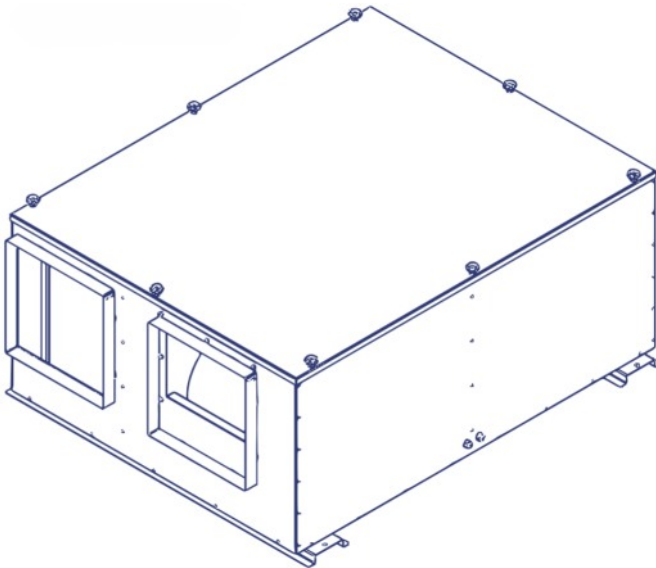




CRS 355 1700 Series and CRS 355 2300 Series

Congratulations on purchasing a SICFLUX product.

Installation Manual



LEARN MORE!



47 3452-3003 / 3452-3033

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CUSTOMER SUPPORT SERVICE

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1 IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

- Verify that there is an electrical power point near the location where the installation will be performed.
- Ensure that the entire installation is carried out by a qualified professional.
- Do not operate the exhaust unit in environments with temperatures above 40°C.
- Do not block the air inlet or outlet, even when the unit is turned off.
- Never insert any type of object into the unit through openings or vents. Such objects may reach live electrical components, causing short circuits, fire, or electric shock.
- This equipment contains turbines for air movement. Only power it on after it has been fully installed in its designated location, ensuring that there is no possibility of access to moving blades, thus preventing accidents.
- Never allow children to handle electrical equipment.
- Keep children and animals away from any type of packaging.
- For optimal performance and acoustic comfort, install the unit above the ceiling.

ATTENTION!

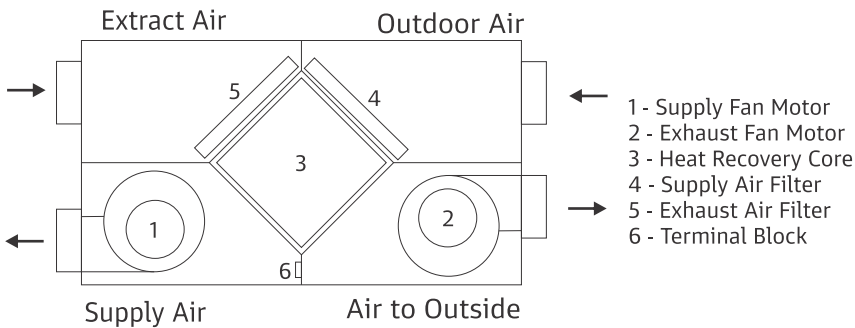


- This product must be installed at least 1 meter from any accessible discharge duct opening.
- This product must be installed with ducts of at least 1 meter in length.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed regarding the safe use of the appliance. (IEC 60335-1/2006)
- Children should be supervised to ensure they do not play with the appliance. (IEC 60335-1/2006)
- Ensure that the fan is disconnected from the power supply before performing any maintenance. (IEC 60335-2-80/2008)
- Take precautions to avoid reverse airflow, meaning the unit must not be installed in the incorrect airflow direction. Follow the arrow marking on the appliance. (IEC 60335-2-80/2008)
- This appliance does not have a power cord; therefore, fixed wiring and a disconnecting device with contact separation on all poles must be incorporated to ensure complete disconnection from the power supply. (IEC 60335-1/2006)
- If the power supply cables are damaged, the appliance must be discarded. (IEC 60335-1/2006)
- Ensure that the ducting used has the same diameter as the air outlet of the appliance.
- Use appropriate anchors and screws according to the type of wall or ceiling.

2 First Steps

- Remove the CRS from the packaging and open the inspection cover. It is normal for the inspection cover to offer resistance when opening and closing, as this is necessary to ensure proper air sealing.
- Next, you will find a diagram of the CRS components and its operating logic:



3 Operating Logic

- The air extracted from the environment (either cold or warm) is moved by the exhaust motor, passes through the exhaust filter, and reaches the heat recovery core, where its thermal energy is transferred to the core elements before the air is discharged outdoors.
- The supply air is drawn from the outside by the supply motor, passes through the supply filter—where it is purified—and then flows through the heat recovery core, which absorbs part of the thermal energy coming from the indoor air. After this process, the air is supplied back into the environment.
- In this way, through its heat recovery core, the CRS reduces thermal energy losses and decreases operational costs associated with heating or cooling indoor air.

All CRS air outlets have a square 355 mm section, designed for use with ducts of the same dimensions.

4 Table of Most Common Problems

If you experience any difficulty during the installation or operation of your unit, the recommendations below will likely resolve the issue. If you still encounter problems after following these suggestions, please contact our Customer Service Center at +55 (47) 3452-3003 or +55 (47) 3452-3033.

PROBLEM	RECOMMENDATION
My unit does not turn on	Check for any loose wires in the installation and verify that electrical power is present on the supply lines feeding the unit.
Unit shows low speed / Low airflow	Verify that the unit is connected to the correct voltage. Check whether the filters and the heat recovery core are clean. If not, replace the filters and clean the core as recommended in the maintenance section of this manual.
Excessive vibration	Do not mount the equipment directly onto the slab. Always use resilient material between the metal structure and the building structure. Use vibration dampers for mounting. Ensure nothing is obstructing the airflow and replace the filters regularly.
Noise transmission	Install a flexible connector (flexible sleeve) between the unit and the rigid ductwork. Do not allow the unit to touch ducts or any metallic surface.
Disturbance due to noise generated by the unit / Noise levels above	Install an acoustic insulation layer according to the specifications provided by the acoustics consultant.

5 Installation Instructions:

1-Mount the CRS in the location where it will be used. The CRS may be installed in any orientation, either vertical or horizontal. Ensure that the inspection door remains accessible at all times for maintenance. The CRS is equipped with mounting brackets, and all mounting points must be secured to guarantee operational stability.

2-Complete all electrical wiring required to operate the CRS, using an appropriate switch.

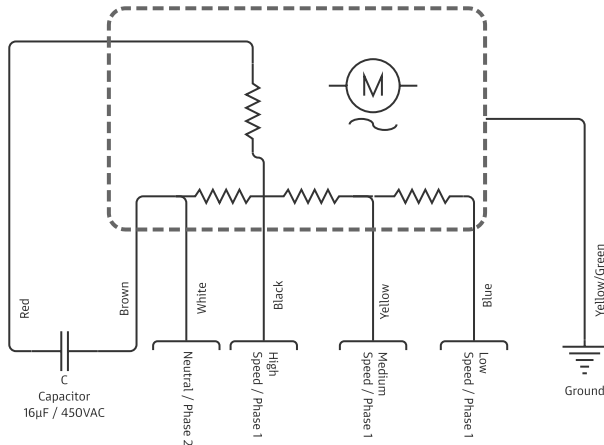
3-After mounting the unit, install the ductwork following the operating logic and the component diagram as reference.

6 Wiring Diagram

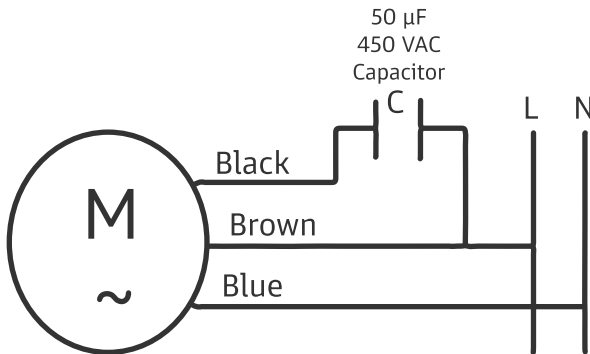
Your CRS unit is equipped with two motors.

The power cable outlet is located at the center of the CRS. Follow the diagram below to perform the electrical connection for both motors.

MODEL CRS 355 1700
220 V – Single-Phase



MODEL CRS 355 2300
220 V – Single-Phase



7 Maintenance

- All maintenance must be performed with the CRS disconnected from the power supply.
- Perform periodic cleaning of the motor 3 to 4 times per year using a brush.
- Replace the filters regularly, as after a certain period of use they become a restriction to the motor, reducing the efficiency of the CRS. Contact our team to purchase new filters. The replacement frequency will depend on the installation environment and operating conditions.Filters are required on both the supply and exhaust sides to preserve the heat recovery core. NEVER OPERATE THE CRS WITHOUT FILTERS!
- The heat recovery core must not be washed. Perform inspections and cleaning using a brush or a vacuum cleaner. After several cleaning cycles, replace the core with a new one to ensure the CRS maintains its efficiency.

8 Acoustic Insulation Guidelines

According to NBR 10152:2017, which establishes the sound pressure level requirements for indoor environments in buildings, it is recommended that builders, developers, contractors, designers, users, and public authorities adopt these reference values to ensure the proper acoustic performance of the different indoor spaces of a building.It is the designer's technical responsibility to comply with the standards NBR 15575 (all parts), NBR 10152:2017, NBR 10151:2019, as well as the municipal regulations in effect at the time.

9 WARRANTY

WARRANTY PERIOD

The warranty period is 9 months plus the 90-day legal warranty, totaling 1 year.

WHAT THE WARRANTY COVERS

The warranty covers manufacturing and assembly defects, provided the unit is used under normal operating conditions.

Labor and replacement parts required to correct verified manufacturing defects are covered.

Shipping costs are the customer's responsibility.

EXCLUSIONS

The warranty does not cover:

- Natural wear of parts •Capacitor-equipped units left unused for more than 12 months
- Abuse or improper use •Incorrect installation
- Any modification without written authorization •Scratches or broken parts due to mishandling
- Lack of cleaning or maintenance

HOW TO REQUEST WARRANTY SERVICE

Warranty assistance must be requested by the customer through:

+55 (47) 3452-3003 / 3452-3033 or sac@sictell.com.br

The user must provide:

- Description of the issue •Product model •Product lot number (printed on the box or product label)
- Purchase invoice

The original dated invoice must be presented, without erasures or alterations. Warranty requests without it cannot be processed.

10 RECYCLING



Our commitment to future generations requires proper recycling of materials. Recycle the packaging and remaining components appropriately.

This product contains electrical parts and must not be disposed of in regular household waste.