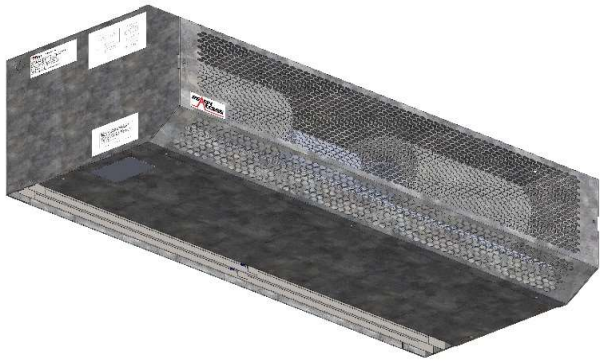
SANITATION ENTRY AIR CURTAIN RAC-1-36 AND RAC-1-48

INSTALLATION, OPERATIONAL, SERVICE MANUAL AND SAFETY INSTRUCTIONS

*FOR COMMERCIAL OR INDUSTRIAL USE ONLY

CONFORMS TO UL STD 507, CERTIFIED TO CSA C22.2 #113
NSF-37 CERTIFIED, ETL SANITATION LISTED
FOR CUSTOMER ENTRY AIR CURTAIN,



Mount at a maximum of 7 feet above the floor on interior of building.
RAC-1-36 models are blower only models, without heater, for a maximum 36" wide opening.
RAC-1-48 models are blower only models, without heater, for a maximum 48" wide opening.

Read and save these instructions. Read carefully and completely before attempting to install or operate this device. Failure to comply with these instructions could result in injury, damage to the unit or installation site.

NOTICE: Indicates an instruction which, if not followed, could result in damage to product or property or poor product performance.

WARNING: Indicates an instruction which, if not followed, could result in minor or moderate injury.

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1. INTRODUCTION

Ready Access Air Curtains are designed to provide an environmental barrier between the indoor environment and the outdoor, exterior environment. The Ready-Access air curtain provides environmental separation, and control of flying insects. The RAC-1-36 and RAC-1-48 are recommended for sanitation customer entry way applications. Mount up to 7 feet above the floor on interior of building.

RAC-1-36 models are blower only models, without heater, for a maximum 36" wide opening.

RAC-1-48 models are blower only models, without heater, for a maximum 48" wide opening.

ELECTRICAL REQUIREMENTS

RAC-1-36 : 115/208-230VAC-60Hz. Single Phase 9.3/5.3 Amps.

RAC-1-48 : 115/208-230VAC-60Hz. Single Phase 9.3/5.3 Amps.

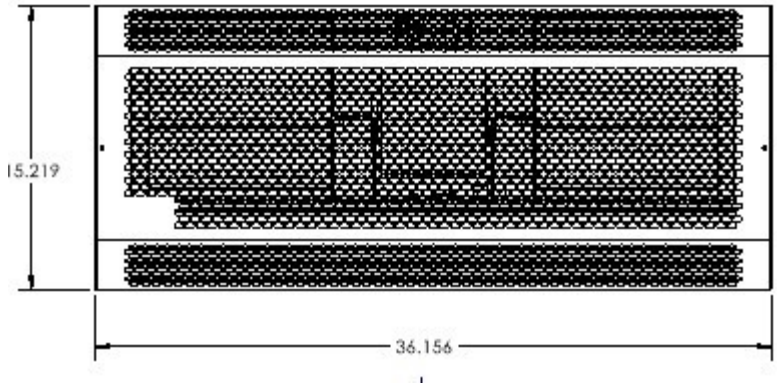
2. SAFETY INFORMATION

WARNING

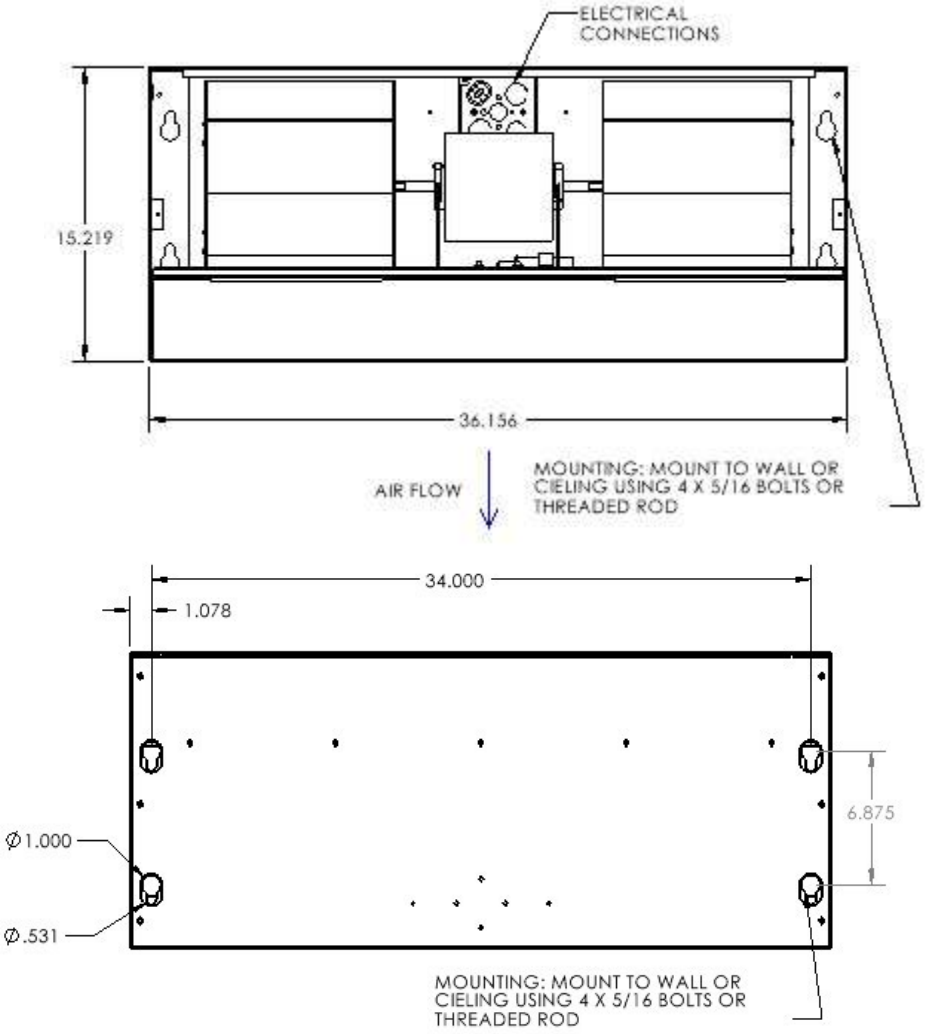
- To reduce the risk of fire, electric shock, or injury to persons, observe the following safety precautions:
- Use this product in the manner intended by the manufacturer. If you have any questions regarding the correct application and use, contact Ready-Access or a qualified representative. Disconnect power at electrical service panel prior to.
- Installation and electrical wiring are to be done by qualified personnel in accordance with the NEC and local codes.

3. INSTALLATION

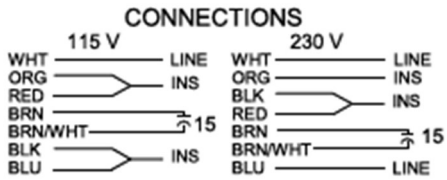
FOR INDOOR USE.
VOLTAGE: 115/208-230V - 60 HZ. SINGLE PHASE
MOTOR QTY:1 EACH, 3/4 H.P. @ 1650 RPM
CURRENT DRAW PER MOTOR: 9.3 / 5.3 A
CONFORMS TO UL STD 507, CERTIFIED TO CSA C22.2 #113
NSF-37 CERTIFIED, ETL SANITATION LISTED FOR CUSTOMER ENTRY
MOUNTING HEIGHT MAY NOT EXCEED 7 FT.
ABOVE INDOOR FLOOR LEVEL
FOR COMMERCIAL OR INDUSTRIAL USE ONLY



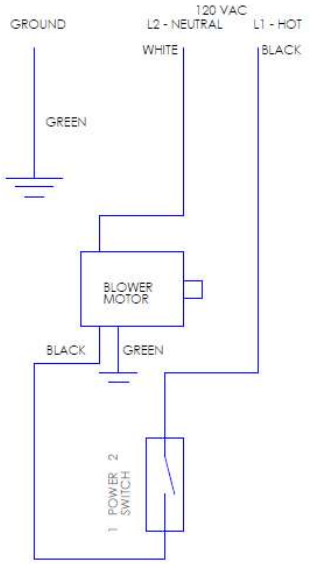
Mount to wall or ceiling using QTY 4 5/16” bolts or threaded rod. MOUNT 2” INWARD OF DOOR OPENING



WIRING DIAGRAM RAC-1-36 AIR CURTAIN



TYPICAL WIRING DIAGRAM FOR 115V WHEN USING AN EXTERNAL RELAY PROVIDED BY OTHER



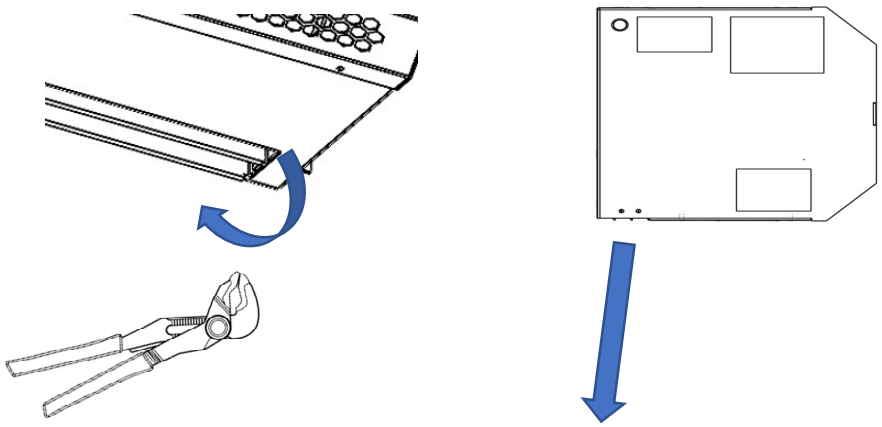
4. START UP

WARNING

Before turning on power to the air curtain:

- Verify that the air curtain is secure, all fasteners are tightened and unit is properly installed.
- Air intake grate must be secured in place before turning on power. Air curtain cannot be operated without air intake great in place.
- Refer to product rating label and verify proper voltage.

TO ACHIEVE MAXIMUM AIR FLOW IN THE DESIRED DIRECTION adjust air vane to direct air outward towards outside environment at an angle of 10-15 DEGREES. Use pliers or adjustable wrench to rotate air vane.



5. MAINTENANCE:

WARNING

- To reduce the risk of fire, electrical shock or injury to persons, observe the following:
- Before servicing the unit, switch power off at electrical service panel.
- Maintenance is to be preformed by trained personnel that are familiar with this product.
- All maintence is to be done in accordance with local codes and regulations.

Under normal usage the air intake grill, air intake filter (if equiped), inner area of cabinet, blower wheel, motor and air vane will accumulate dust, dirt and debris. To maintain optimal peformance of this product, contamination must be removed on a routine basis. Frequency of cleaning intervals will depend on location and environmental conditions. Typically cleaning is required every six (6) months.

Cleaning the product:

Switch power off at power source.

Remove the air intake grate

Using a vacuum cleaner, vacuum debris from air intake grate, interior of cabinet, and blower wheel. Use warm soapy water or a mild degreaser to wipe down the exterior and interior of the cabinet. Do not use steel wool or abrasive cleaners.

Clean the air inlet grate.

Gently wipe debris from blower wheel. Be careful to not deform blower wheel vanes. Damage to blower wheel can cause excessive noise or failure of the blower wheel.

Reconnect power at power source.

6. TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	ACTION TO TAKE
Blower does not turn on	Power is not supplied to unit Breaker switch at electrical control panel is off Motor overload is tripped, motor is not on On/off switch defective.	Verify power is suplied at unit Check electrical connections Determine if breaker is off or tripped. Allow motor to cool and self reset thermal overload. Remove obstructions that may have stalled or limited motor RPM's Test and/or replace on / off switch
No or low air flow	Air intake or discharge is blocked Air vane out of adjustment Blower wheel clogged with dirt	Remove obstruction that may be blocking air intake or discharge. Adjust air vane to improve air flow
Excessive noise, rattling	Loose screws Loose mounts or mounting brackets at wall or ceiling	Tighten screws on interior or exterior of cabinet. Tighten mounting brackets
Excessive noise, vibration or rumbling	Loose screws, or loose interior components Damaged blower wheel Worn bearings Blower coupling loose, blower not spinning with motor	Inspect blower and blower bearings for excessive "play". Check and tighten blower coupling set screw.