



SCHAEFER

Oscillating Circulation Fan Operators Manual

IMPORTANT: READ AND SAVE THESE INSTRUCTIONS

Read all instructions carefully before attempting to assemble, install, operate or service the product described. Failure to comply with instructions could result in personal injury and/or property damage.

Using this product for any other purpose than it was intended, or not within the operating specifications in this manual will void the warranty and may cause damage to the fan or serious injury to personnel.



WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK:

- Do not expose fan to water or rain.
- Do not use this fan with any speed control device.
- The power source must conform to the electrical requirements of the fan.
- The power cord has a 3-prong grounded plug that must be plugged into a GFCI (Ground Fault Circuit Interrupter) protected circuit.
- Do not alter the plug to remove the grounding prong and never use a 2-prong adapter.
- Replace damaged or worn power cords immediately.
- Where possible, avoid using extension cords. If one must be used, the cord must be UL listed, be the proper size (Amp rating), and have 3-prong grounded connections.

GENERAL SAFETY INFORMATION:

- Before operating this fan, check for worn, damaged, or missing parts and replace or repair as needed.
- To avoid risk of fire, electric shock or personal injury, disconnect from power source before servicing.
- This fan is intended for general use only. Do not use near hazardous or explosive materials or vapors.
- Never insert fingers or any other objects through the guards when fan is in operation.
- Never operate fan without guards in place.
- Unplug the fan before moving from one location to another.
- All Warning and Caution labels must be kept in good condition and be replaced if not clearly readable.
- Carefully read all safety messages in this manual and on your equipment safety labels. Follow recommended precautions and safe operating practices.



WARNING! CALIFORNIA PROPOSITION 65: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Sauk Rapids, MN 56379 USA • www.schaeferventilation.com

KEEP THIS MANUAL IN A CLEAN, DRY PLACE FOR FUTURE REFERENCE.

All information, illustrations and specifications in this manual are based on the latest product information available at the time of printing. Product specifications subject to change. We reserve the right to make changes at any time without notice.

If you need replacement parts, please contact your dealer. Take special care when ordering replacement blades and motors to ensure you get the proper configuration for your fan. If you do not have that information, please call our customer service department at 800-779-3267 for assistance.

DESCRIPTION

Schaefer's oscillating circulation fans have OSHA-approved basket style guards. The durable, totally enclosed motors are maintenance free and energy efficient. These fans come equipped with two-speed pull chain and 10' long 115 volt grounded cord. These models can be mounted to a pedestal, or wall mount to provide a 45° or 90° coverage sweep.

UNPACKING YOUR FAN

- Visually inspect the unit for any damage that may have occurred during shipping.
- Contact your shipper immediately if any damage is found.

INSTALLING YOUR FAN

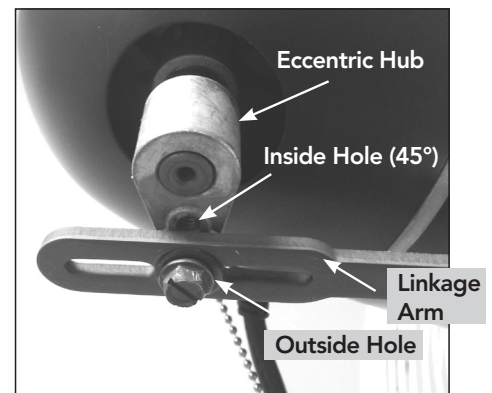
Schaefer offers a variety of wall mounts and pedestal mounts for installing your fan. Fan mount must be installed on a support structure strong enough for the added weight of the mount and fan assembly. The customer is responsible for determining that their structure is adequate to support these loads.

1. The fan must be mounted so the oscillating mechanism (oscillator base, linkage arm, etc.) is down.
2. Set the "Sweep" for 90° or 45° by securing the linkage arm to the eccentric hub using the appropriate threaded hole. The fan is shipped factory-assembled for 90°. To change the sweep to 45°, remove the bolt from the outside threaded hole and reattach using the inside threaded hole.

Note: The connecting bolt and threaded holes have left-hand threads.

3. Be sure there are no restrictions or obstructions to the full range of oscillation.
4. Oscillator Drive Knob: Pull the knob up to disengage the drive, push the knob down to engage the drive.
5. Pull the chain switch to start the fan motor. The sequence for the 2-speed chain switch is as follows:

a. **OFF** b. **ON: low speed** c. **OFF** d. **ON: high speed**

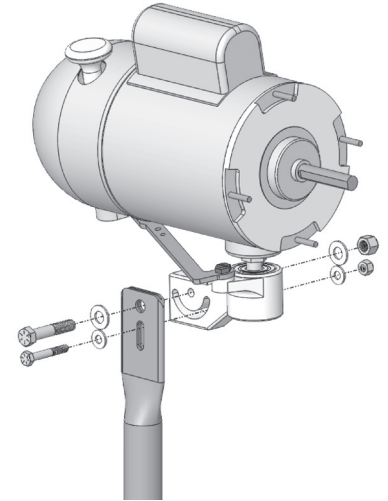


INSTALLING THE FAN TO A PEDESTAL ASSEMBLY

Use the supplied hardware that came with your fan to attach the fan.

1. Position the fan assembly with the Oscillator Base at either side of the mounting tab.
2. Install the 3/8" bolt through the center hole of the Oscillator Base and fasten with 3/8" narrow washers and nylock nut.
3. Install the 1/4" bolt through the slot feature and fasten with 1/4" narrow washers and nylock nut. Adjust the fan to the desired angle* and securely tighten all mounting hardware.

(* 36" models must be mounted so the fan blade is perpendicular to the floor)



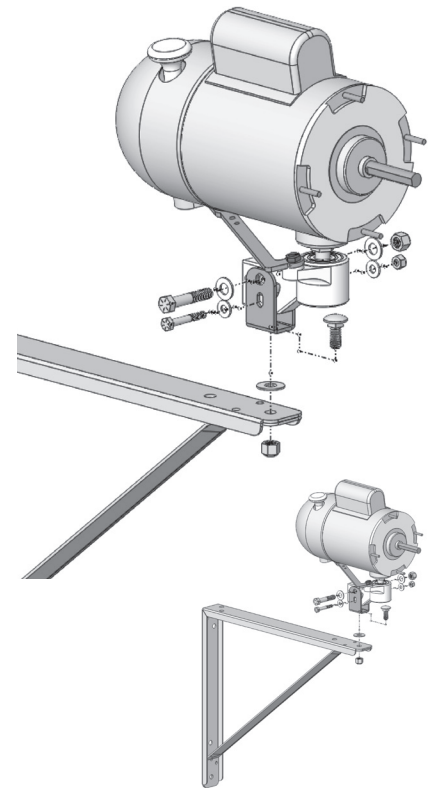
INSTALLING THE FAN ON A WALL MOUNT BRACKET

Note: Wall Mount Bracket must be orientated as shown (with mounting leg and diagonal brace down).

Use the supplied hardware that came with your fan to attach the fan.

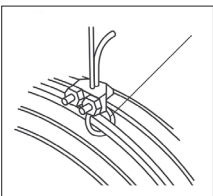
1. Fasten the Oscillator Motor Mounting Yoke to the Wall Mount Bracket using the 3/8" carriage bolt, 7/16" wide washer and nylock nut as shown.
2. Install the 3/8" bolt through the center hole of the Oscillator Base and fasten with 3/8" narrow washers and nylock nut.
3. Install the 1/4" bolt through the slot feature and fasten with 1/4" narrow washers and nylock nut. Adjust the fan to the desired angle* and securely tighten all mounting hardware.

(* 36" models must be mounted so the fan blade is perpendicular to the floor.)



CAUTION: Fasteners may loosen over time. It is important to check and tighten fasteners frequently.

CAUTION: Inspect mounts and fasteners frequently for corrosion. Replace any corroded fasteners or parts.



Safety Cable: (Safety Cable Kit sold separately.)

A SECONDARY SUPPORT CABLE SHOULD BE INSTALLED ANYTIME THE FAN IS MOUNTED OVERHEAD FOR ADDITIONAL SAFETY.

Safety Cable must go around the Large Diameter Wires of the Front and Rear Guards. The other end of Safety Cable must be securely fastened to a building joist, truss, or beam near the fan. Take up all unnecessary slack in the cable.

DESCRIPTION

Schaefer's wall mounts offer the flexibility to mount circulation fans up to 42" on a wide variety of surfaces using four distinct mounting configurations. Mounts allow for 180° swivel adjustment from side to side with the capability to tilt up to 45° to direct the air where desired. Assembled in the USA of heavy-duty steel, these mounts will provide years of dependable fan support for your cooling and air circulation needs.

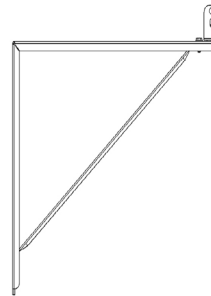
Specifications		
Part Number	Maximum Fan* Size	Finish
WMTA24-B	12" - 24"	Powder Coated Black
WMTA24-SS	12" - 24"	Stainless Steel
WMTA30-B	12" - 30" (36")*	Powder Coated Black
WMTA30-SS	12" - 30" (36")*	Stainless Steel
WMTA36-B	12" - 36" (42")*	Powder Coated Black

* A larger fan can be mounted with a smaller mount, but it will have limited swivel range of motion. Maximum fan weight: 75 lbs.

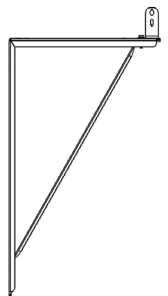
MOUNTING CONFIGURATIONS

Schaefer's wall mount bracket can be assembled in two configurations. Some configurations will limit the fan angle adjustment range.

Long leg out,
short leg down



Short leg out,
long leg down



WALL BRACKET ASSEMBLY

Kit Contents:

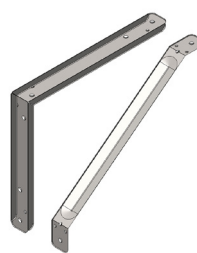
Formed Bracket, Diagonal Brace, Swivel Tab
 (2) 1/4"-20 x 3/4" Bolts, (2) 1/4"-20 Nylock Nuts, (4) 1/4" Washers
 (1) 3/8"-16 x 1" Carriage Bolt, (1) 3/8"-16 Nylock Nut, (1) 7/16" Washer

Tools required:

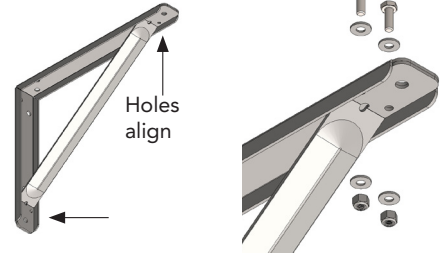
(2) 7/16" Wrenches
 (1) 9/16" Wrench

1. Orient the Formed Bracket and Diagonal Brace so both hole patterns are aligned.
2. Join the Bracket and Brace with the 1/4" hardware through the desired Swivel Tab end. Use the 7/16" wrenches and tighten fasteners securely.
3. Install the Yoke Mount using the 3/8" hardware. Insert the 3/8" Carriage Bolt through the Yoke Mount, through the 7/16" washer and then through the top of the bracket. Use a 9/16" Wrench to tighten the bolt until the Yoke Mount is seated against the bracket but still allows rotational movement.

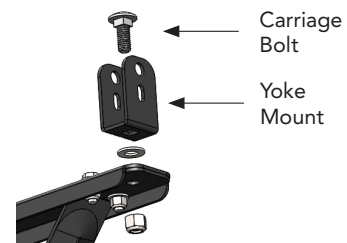
Step 1:



Step 2:



Step 3:



INSTALLATION REQUIREMENTS

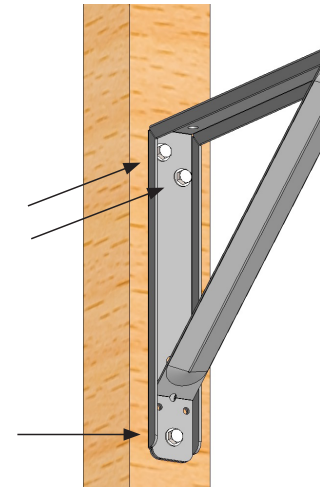
Support Structure:

The fan mount bracket must be installed on a support structure strong enough for the added weight of the bracket and fan. Suitable material choices are wood, cement, brick and steel. Wood supports must be 3" x 3" square post or larger.

Mounting Hardware:

THE HARDWARE TO ATTACH THE FAN MOUNT BRACKET TO THE STRUCTURE IS NOT SUPPLIED. HARDWARE MUST BE ADEQUATE TO SAFELY SUPPORT THE LOADS SHOWN IN THE TABLES BELOW.

Attach the fan mount bracket with (3) washers and (3) screws or bolts with Nylock nuts suitable for your installation (2 fasteners at the 90° bend; 1 fastener at the end away from the swivel tab). Fasteners should be 5/16" diameter, Grade 2 or better. Lag screws used for wood installation must be at least 2" long. Always follow the fastener manufacturer's installation instructions.



Attach the Fan:

THE HARDWARE TO ATTACH YOUR FAN TO THE FAN MOUNT BRACKET IS NOT SUPPLIED IN THIS KIT.

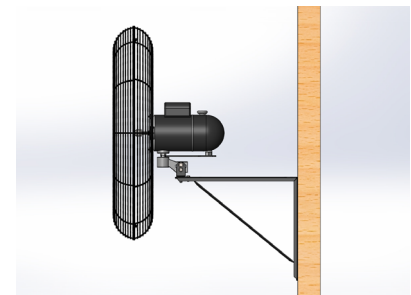
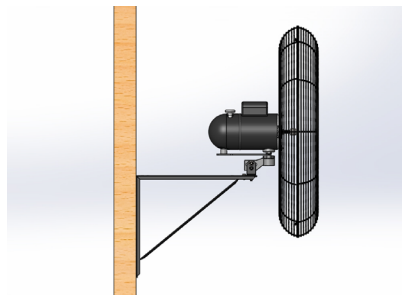
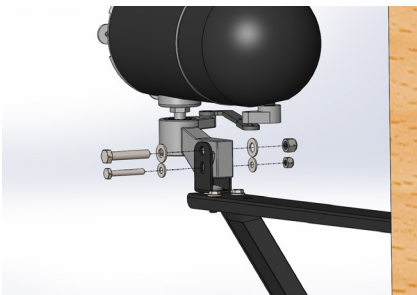
Note: Fasteners are supplied with all current Schaefer circulation fans.

Note: Stainless steel fasteners should be coated with a lubricant (WD-40) to prevent thread galling and allow subsequent adjustment.

Install (1) 3/8" x 1-1/4" bolt, (2) washers and (1) Nylock nut through Swivel Tab hole
Install (1) 1/4" x 1" bolt, (2) washers and (1) Nylock nut through Swivel Tab slot

Once fan is securely attached to the Swivel Tab, orient the fan horizontally and tighten the Swivel Tab hardware to prevent the fan from turning.

Adjust the fan to desired angle and securely tighten the hardware.



CAUTION: Fasteners will loosen over time. It is important to check and tighten fasteners frequently.

CAUTION: Inspect mounts and fasteners frequently for corrosion. Replace any corroded fasteners or parts.

CLEANING AND MAINTENANCE



Disconnect power before cleaning or maintaining your fan in order to prevent serious injury or death.

- Excessive dust and debris may cause overheating and reduced fan performance.
- Keep guards, motor and blades clean by vacuuming or wiping with a damp cloth.
- Do not use harsh chemicals or cleaners to clean any part of the fan.
- Pressure washing the unit will void the warranty.
- Sealed motor bearings are pre-lubricated and do not require servicing.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Fan does not operate	<ol style="list-style-type: none"> 1. Fan not plugged in 2. Blown fuse or tripped circuit breaker 3. Defective on/off switch 4. Defective motor 5. Fan blade contacting housing 	<ol style="list-style-type: none"> 1. Check power cord connection 2. Replace fuse or reset circuit breaker 3. Repair or replace switch 4. Repair or replace motor 5. Realign fan blade in fan housing
Insufficient airflow	<ol style="list-style-type: none"> 1. Guards excessively dirty 2. Blade and motor excessively dirty 	<ol style="list-style-type: none"> 1. Clean inlet and outlet guards 2. Clean blade and motor
Excessive noise	<ol style="list-style-type: none"> 1. Fan blade contacting housing 2. Defective motor bearings 	<ol style="list-style-type: none"> 1. Realign fan blade in fan housing 2. Repair or replace motor
Excessive vibration	<ol style="list-style-type: none"> 1. Damaged fan blade 2. Motor shaft bent 3. Motor loose 	<ol style="list-style-type: none"> 1. Replace fan blade 2. Repair or replace motor 3. Realign if necessary and tighten fasteners
Unit falls to oscillate	<ol style="list-style-type: none"> 1. Connecting arm not properly secured 2. Defective gear assembly 	<ol style="list-style-type: none"> 1. See Step 2 under "Installing Your Fan" 2. Replace gear box

WARRANTY

Pinnacle Climate Technologies Limited Warranty Policy

Pinnacle Climate Technologies (PCT) provides the following limited warranty from the date of invoice to the initial purchaser of our products or to its customer with a dated proof of purchase:

Two-year coverage (unless otherwise indicated below) applies to all products, components and assemblies provided by PCT that prove to be defective in material or workmanship. Any such defective product will be repaired or replaced at PCT's option, with the defective product or component returned upon approval to PCT, F.O.B Sauk Rapids, Minnesota.

This warranty does not cover: failure, damage or malfunction as a result of: Improper installation or installation not in accordance with installation instructions. Operating conditions that vary from PCT's operating instructions. Misuse, abuse, negligence, alteration, or accident. Transporting the product. Improper operation or lack of appropriate or regular maintenance of the product. Loss of time, inconvenience, loss of use of the product or other consequential or incidental damages. Parts that need replacement due to normal wear and tear. Superficial or cosmetic rust or corrosion. Any product whose name plate has been removed.

A full warranty statement may be printed or downloaded from www.schaeferventilation.com.



A BRAND OF PINNACLE CLIMATE TECHNOLOGIES

www.schaeferventilation.com • 1.800.779.3267

©2019 Pinnacle Climate Technologies. All rights reserved. SCVD-403