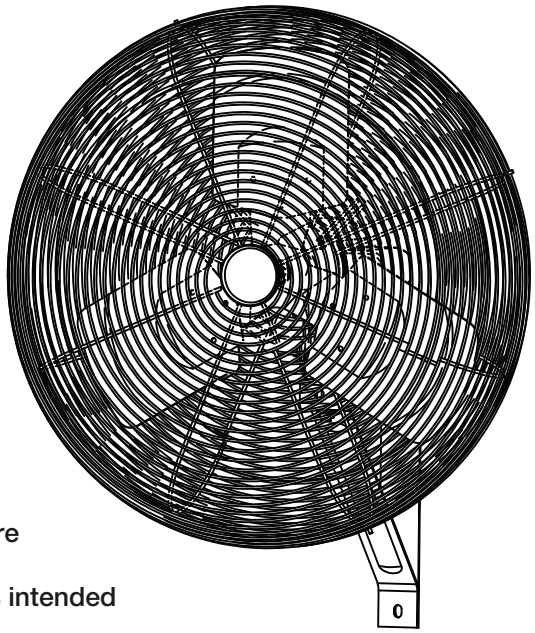
User's manual	Manual del usuario	Manuel de l'utilisateur
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente US: 1-800-645-2986	Service à la clientèle Canada: 888-645-2986

12" HAF Agricultural Fan — Models: 604194
20" HAF Agricultural Fan — Models: 604195
24" HAF Agricultural Fan — Models: 604196

IMPORTANT INSTRUCTIONS, SAVE FOR FUTURE REFERENCE



CAUTION

When using electrical appliances, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electrical shock, and injury to persons.

Pleases read and understand this entire manual before attempting to assemble, install or operate the product. Thoroughly review all assembly information and drawings and be sure you understand the assembly requirements. Do not use the fan unless you have read these instructions.

Use this appliance only as described in the manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury to persons. The manufacturer assumes no responsibility for damage or injury due to unauthorized use or product modification. Failure to follow these instructions will void the product warranty.

This fan is designed for indoor and covered outdoor use. This product is intended for commercial use.

WARNING

- Unplug the fan before moving it or performing maintenance. Do not touch the fan when your hands are wet.
- Unplug the fan when it is not in use.
- DO NOT unplug the fan by holding the cable cord. Unplug by holding the plug.
- All servicing, apart from ordinary cleaning, should be performed by qualified personnel only. Those who are not certified electricians should not disassemble, repair or rebuild the fan. There are no user-serviceable parts inside.
- These fans are not to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapor or gas).
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- This fan is not intended for use by people (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the fan by a person responsible for their safety.
- Close supervision is necessary when any appliance is used by or near children.
- Keep the fan out of reach of young children.
- To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g. Parts Made At Home Using A 3D Printer).

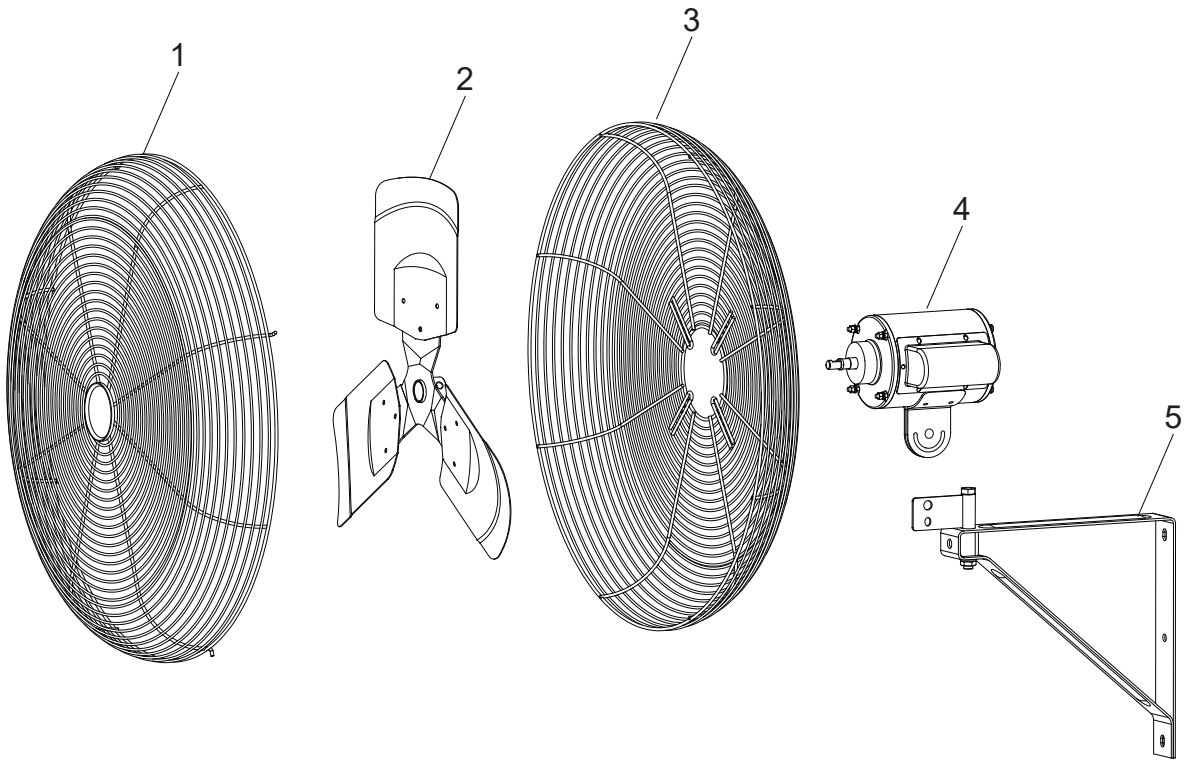
HAF Agricultural Fan

RULES FOR SAFE OPERATION

- Do not operate the fan until fully assembled with all parts properly in place.
- When installation is complete, make sure all connections are secure to prevent fan from falling.
- DO NOT insert your hand or other objects into the guard or the movable parts.
- DO NOT use the fan close to the fires, cooking or other heating appliances. Do not operate in the presence of explosive and/ or flammable fumes.
- DO NOT use the fan to exhaust hazardous or explosive materials and vapors.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- Make sure that the fan does not get wet (water splashes etc.). Do not immerse the fan, plug and/or the power cord in water or other liquids or use near sinks, baths, or showers.
- Place this fan away from curtains, draperies, tablecloths and other fabrics,since they may be drawn into the fan, damage the motor and/or cause a fire.
- Do not leave the fan unattended when in use.
- Always switch off and unplug the fan when not in use, before moving fan from one location to another, before putting on or taking off parts and before cleaning or performing maintenance. To disconnect, grip plug and pull from outlet.
- Do not subject the fan to violent impacts.
- Do not disassemble or modify the fan. Do not bend the fan blade or the blade guard when cleaning.
- Do not use this fan as a dryer. Make sure nothing is blocking the airflow outlet and air intake grille.
- Do not abuse the power cord. Do not use the cord for carrying, pulling or unplugging fan.
- Do not let the cord hang over the edge of a table, counter, sharp edges, moving parts or come in contact with oil or hot surfaces, including the stove.

HAF Agricultural Fan

1 Main Parts of Fan



Parts List

PART NO.	DESCRIPTION	QTY
1	**Front Guard**	1
2	**Blade**	1
3	**Rear Guard**	1
4	**Motor**	1
5	Bracket	1

HAF Agricultural Fan

2 Assembly Instructions

1. Remove the parts from the box.
2. Mark the mounting hole locations by using the holes in the bracket as a guide, then drill the holes.

A. For concrete wall installation, after drilling, you would insert the wall anchors and tap them flush with the wall, position the bracket and then screw the three bolts into the anchors, securely attaching the bracket to the wall.

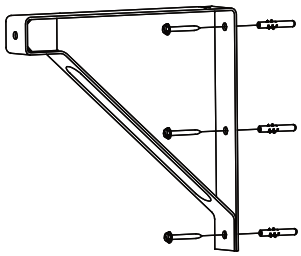
B. For wood wall installation, after drilling the smaller diameter pilot hole, position the bracket and screw the three holts into the wall until they are secured.

⚠ CAUTION

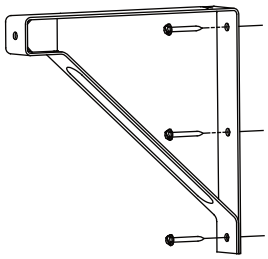
The fan is only suitable for concrete wall or wood wall installation. Do not use for dry wall mounting. Use the mounting accessories shipped with products for wall mounting.

⚠ WARNING

This fan is to be mounted with wall bracket, it MUST be mounted and secured on a solid wall that is structurally sound to support the fan and mounting bracket. The wall bracket along with the fan MUST NOT be mounted on any surface that is subject to vibration, wobbling, movement or the like. The fan MUST be mounted and properly secured to a stationary structure.

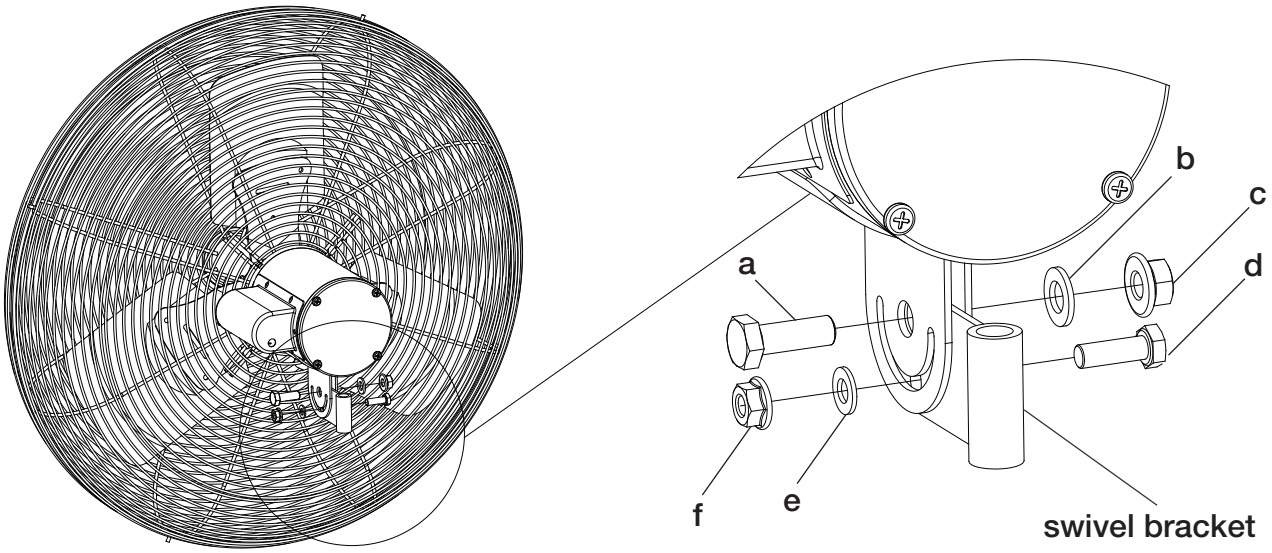


a. concrete wall



b.wood wall

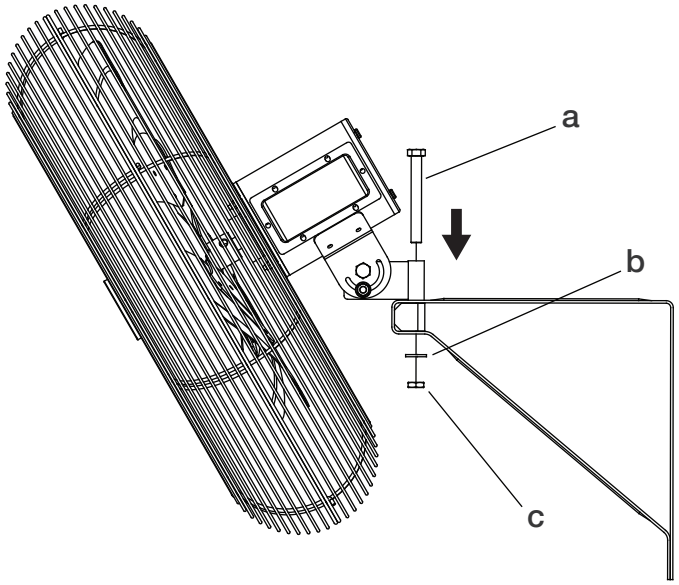
3. Insert the swivel bracket into motor brackets and fasten it with bolt (a), flat washer (b) and nut (c). Fasten the bolt (d), flat washer (e) and nut (f) for adjusting the tilt angle of the fan or fix the tilt angle of the fan.



HAF Agricultural Fan

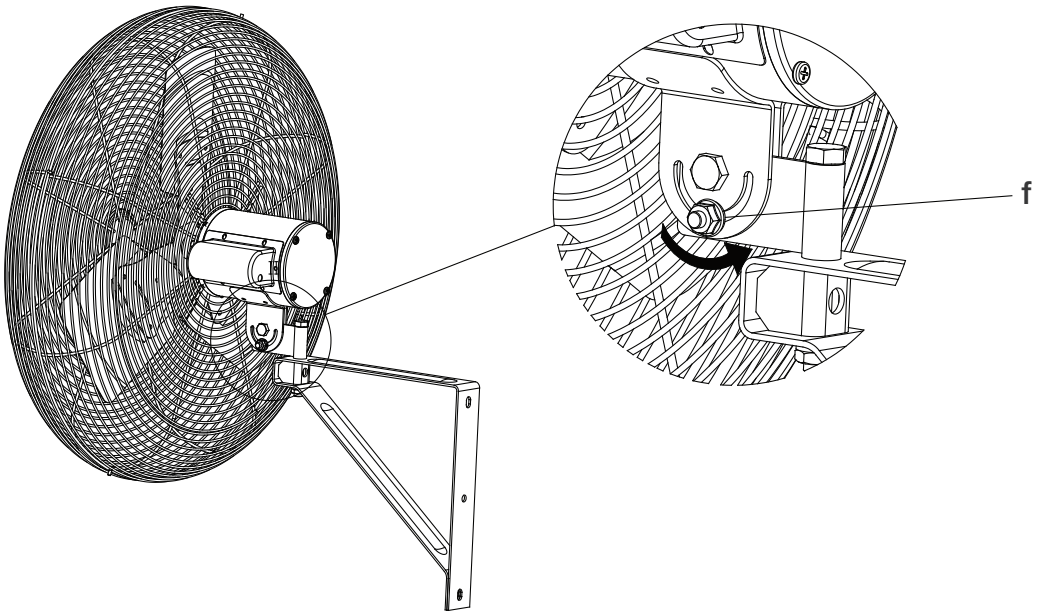
2 Assembly Instructions

4. Assemble the swivel bracket with wall bracket and fasten with bolt (a), flat washer (b) and nut (c).



2 Assembly Instructions

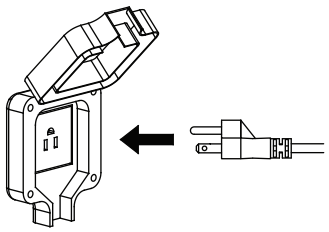
5. Loosen the nut (f) and adjust until the fan head is at the desired angle. Tighten the nut (f) back.



HAF Agricultural Fan

3 Operating Instructions

1. Always plug the fan directly into a GFCI-protected wall outlet/receptacle only. Never use with an extension cord or outlet power strip.



Please pay attention:
The fan turns on once it plugs in.
Please unplug the fan when it is not in use.
Please do not plug in the fan if the plug is wet.

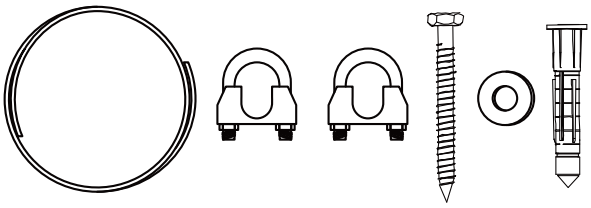
2. Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions, or if it has been dropped or damaged in any manner. Discard fan or return to an authorized service facility for examination and/or repair.
3. DO NOT use the fan when there is damage to the cable cord or plug. If the supply cord is damaged, it has to be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid harzard.

HAF Agricultural Fan

4 Installation -- Secondary Safety Support Cable

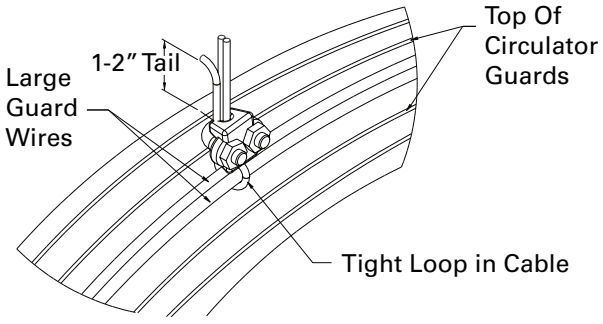
Warning:

Use of secondary safety support cable does not guarantee protection against injury of persons. Mounting of both the circulator and cable could fail if subject to abuse, neglect or if improperly installed. To avoid personal injury, circulators must be supported anytime angle is adjusted.

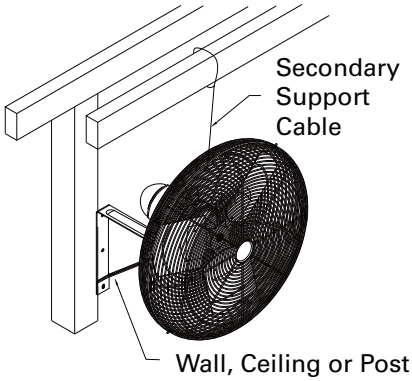


PARTS	SPECIFICATION	QTY
	Φ3*3050	1
	M5*13	2
	ST8*50	1
	Φ8*Φ24*δ2	1
	Φ10*60	1

1. Loop one end of the cable around the large diameter wires of both the front and rear guard as shown below. Attach a cable retainer with the "U" on the tail side of the loop leaving a tail of approximately 1 to 2 inches. Tighten clamp nuts forming a tight loop, 32in. lbs of torque. Make sure the cable does not interfere with the propeller.



2. Wrap the other end of the cable around a secure building joist, beam, truss or other support near the fan as shown below. Take up all excess slack in the cable. If the fan is an oscillating model and wall mounted, leave enough slack to allow free movement through range of motion.



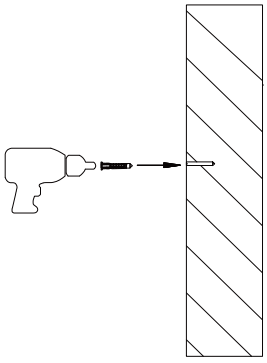
3. Attach the remaining cable retainers as done previously in "step 1". The excess tail should be trimmed to extend 1 to 2 inches past the second clamp.

4. Check the assembly to assure the propeller is free of all obstructions and turns freely.

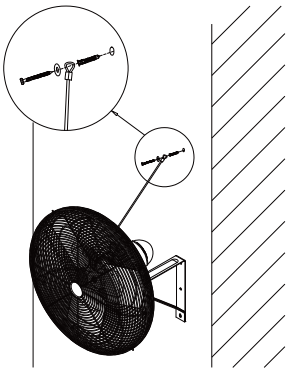
5. Connect the circulator to the proper power supply ensuring that it conforms to the electrical rating listed on the circulator's motor nameplate.

For concrete wall installation

1. Drill a hole in concrete wall, insert the wall anchor and tap it flush with the wall.



2. Fasten a blot and a washer through the terminal of secondary safety support cable into the anchor for security.



HAF Agricultural Fan

5 Maintenance

1. Periodically clean propeller, guard and motor when excessive dirt and particles accumulate. Allow motor sufficient time to cool before cleaning, as it may be hot enough to cause injury.
2. Check for unusual noises when circulator is running.
3. Periodically inspect and tighten all bolts.