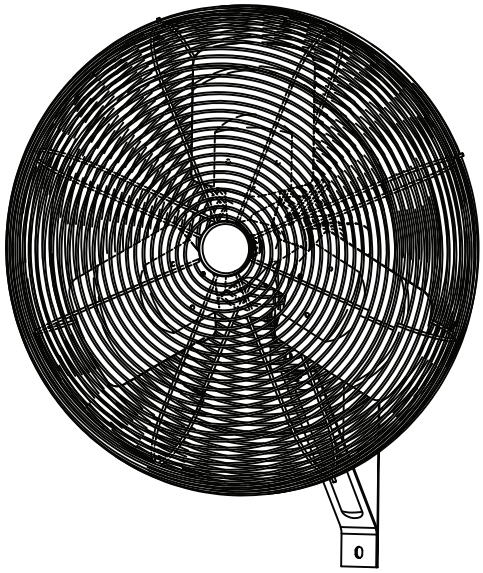
High-Temperature Wall Mount Fan

Model #'s B3220141, B3220143 & B3220144

IMPORTANT INSTRUCTIONS, SAVE FOR FUTURE REFERENCE



CAUTION

Review all information carefully before assembling, installing, operating, or maintaining this product. Protect yourself and others by following all safety guidelines. Failure to comply may result in personal injury and/or property damage. Retain these instructions for future reference.

WARNING

1. Unplug the fan before moving it or performing any maintenance. Do not touch the fan with wet hands.
2. Always unplug the fan when it is not in use.
3. Do NOT unplug the fan by pulling on the cord. Always remove it by holding the plug.
4. All servicing beyond routine cleaning must be performed by qualified personnel. Do not disassemble, repair, or rebuild the fan unless you are a certified electrician. There are no user-serviceable parts inside.
5. Do not use the fan in areas with corrosive, explosive, or hazardous atmospheres (dust, vapor, or gas).
6. To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
7. This fan is not intended for people (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless supervised by someone responsible for their safety.
8. Keep the fan out of reach of young children. Close supervision is required when the fan is used near children.
9. To reduce the risk of fire, electric shock, or injury, do not use replacement parts that are not recommended by Global Industrial.

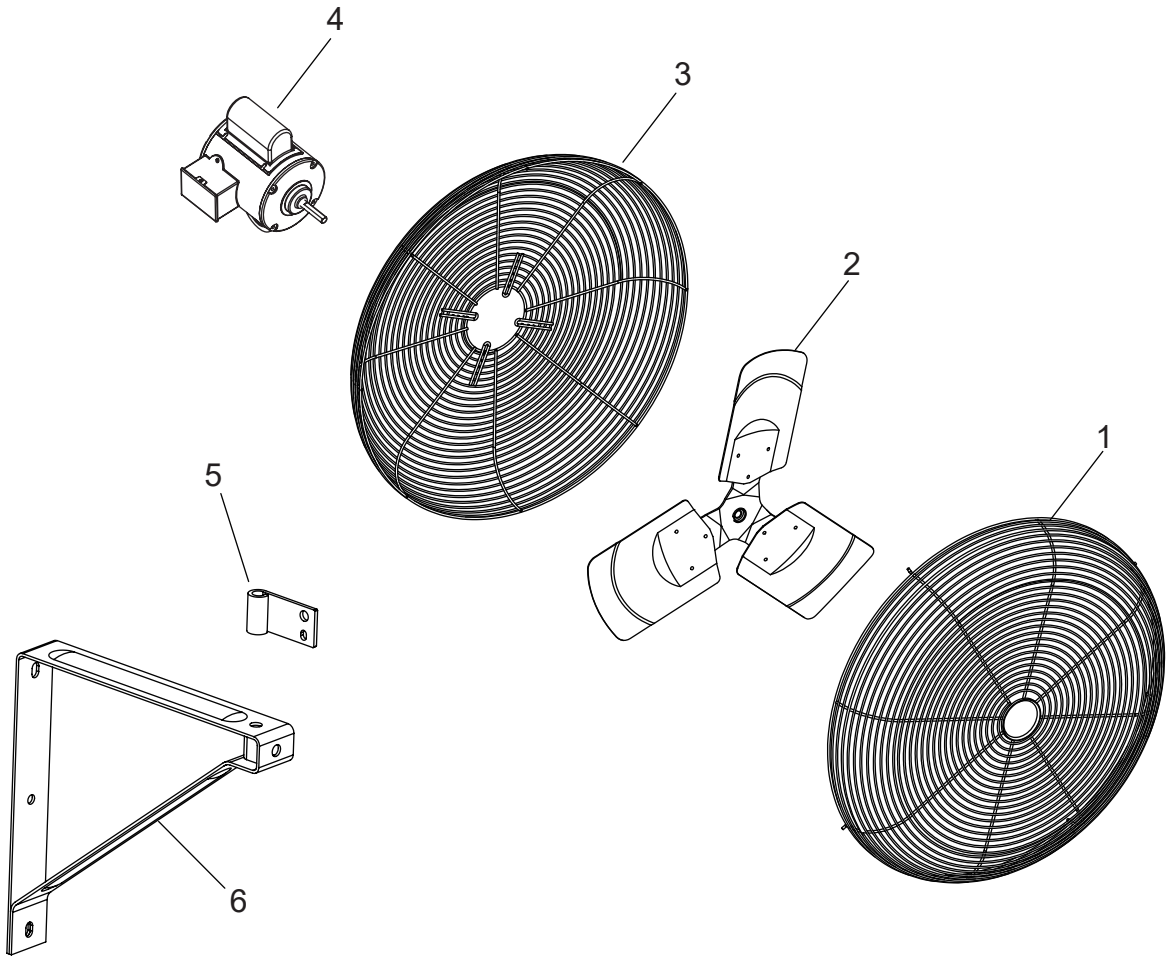
High-Temperature Wall Mount Fan

RULES FOR SAFE OPERATION

- Do not operate the fan until it is fully assembled and all parts are securely in place.
- After installation, ensure all mounting and connection hardware is fully tightened to prevent the fan from falling.
- Do NOT insert hands or other objects into the guard or any moving parts.
- Keep the fan away from open flames, cooking appliances, or other heat sources. Do not operate near flammable or explosive fumes.
- Do not use the fan to exhaust hazardous or explosive materials or vapors.
- Do not run the power cord under carpeting, rugs, runners, or furniture. Route the cord away from foot traffic to prevent tripping.
- Keep the fan dry. Do not immerse the fan, plug, or power cord in water or use near sinks, bathtubs, or showers.
- Keep the fan away from curtains, drapes, tablecloths, and other fabrics that could be drawn into the fan, damage the motor, or cause a fire.
- Do not leave the fan unattended while in use.
- Always switch off and unplug the fan when not in use, before moving it, before adding or removing parts, and before cleaning or maintenance. Unplug by gripping the plug only.
- Do not subject the fan to impacts or rough handling.
- Do not disassemble or modify the fan. Do not bend the blades or guard during cleaning.
- Do not use the fan as a dryer. Ensure that the air intake and outlet are always unobstructed.
- Do not misuse the power cord. Never carry, pull, or unplug the fan using the cord.
- Prevent the cord from hanging over table edges, contacting sharp edges, moving parts, oil, or hot surfaces.

High-Temperature Wall Mount 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	Swivel Bracket	1
6	Mounting Bracket	1

High-Temperature Wall Mount Fan

2 Installation Instructions

1. Remove all parts from the box.
2. Use the holes in the mounting bracket as a template to mark the drilling locations, then drill the holes.

Concrete Wall Installation:
After drilling, insert the wall anchors and tap them flush with the surface. Position the bracket, then fasten the three bolts into the anchors to securely attach the bracket to the wall.

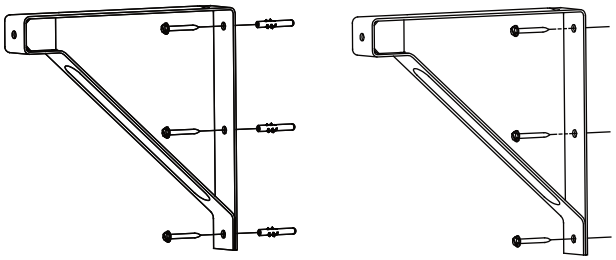
Wood Wall Installation:
After drilling the pilot holes, position the bracket and fasten the three bolts directly into the wood until fully secured.

⚠ CAUTION

This fan is intended only for installation on concrete or solid wood walls. Do not mount on drywall. Use only the mounting hardware provided with the product.

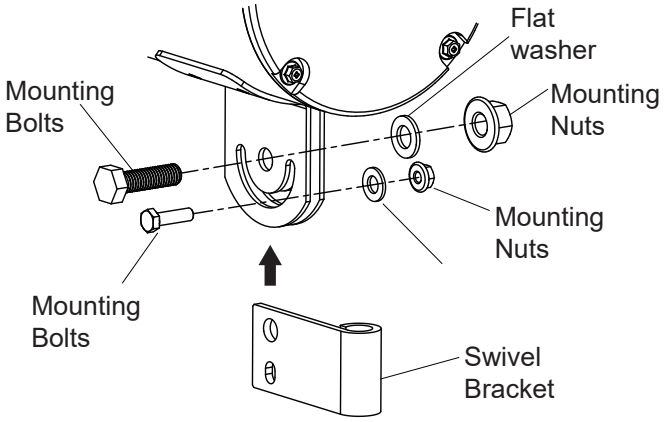
⚠ WARNING

The fan must be installed using the included wall bracket and mounted to a solid, structurally sound wall capable of supporting both the fan and bracket. Do not mount the fan on surfaces that may vibrate, flex, wobble, or move. The fan must be securely installed on a stable, stationary structure.



a. concrete wall b.wood wall

3. Position the swivel bracket inside the motor yoke. Align the pivot hole with the larger hole on the swivel bracket.

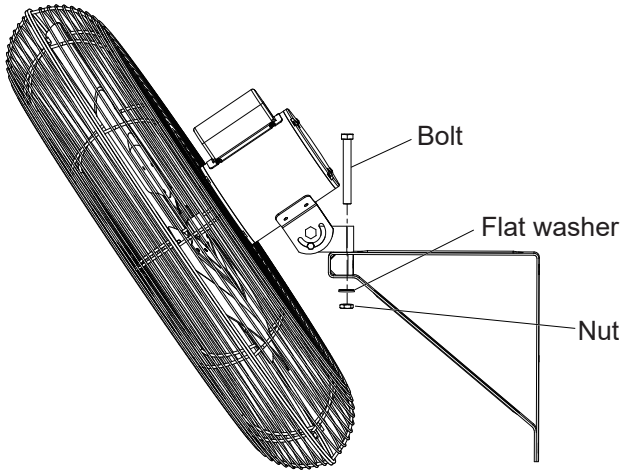


4. Insert the larger-diameter bolt through the pivot hole and tighten the lock nut finger-tight.
5. Insert the smaller-diameter bolt through the motor yoke slot and into the smaller hole of the swivel bracket. Tighten this lock nut finger-tight as well.
6. Hold the fan head at the desired operating angle, then tighten the smaller-diameter bolt to lock the position.
7. Tighten the larger bolt to 200–230 in-lbs and the smaller bolt to 150–160 in-lbs, ensuring the fan remains in the desired position.

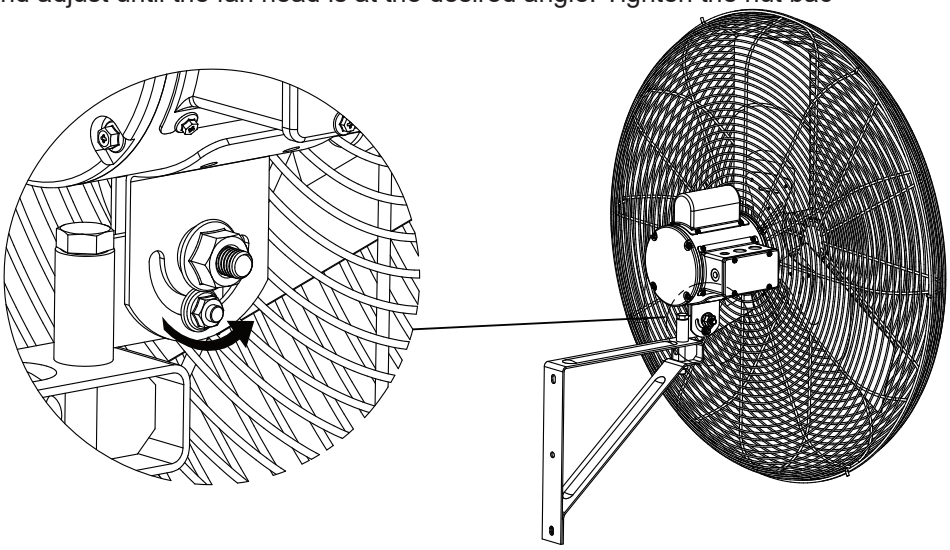
High-Temperature Wall Mount Fan

2 Installation Instructions(Continued)

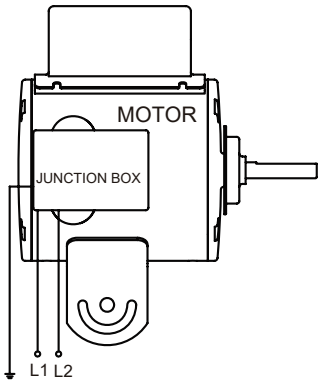
8. Assemble the swivel bracket with wall bracket and fasten with bolt , flat washer and nu



9. Loosen the nut and adjust until the fan head is at the desired angle. Tighten the nut bac



10. Connect power in accordance with the NEC and all local codes.



SUPPLY VOLTAGE
115/60/1

Model(s):
B3220141
B3220143
B3220144

High-Temperature Wall Mount Fan

3 Secondary Safety Support Cable

⚠ WARNING

Use of secondary safety support cable does not guarantee protection against injury of persons. Mounting of both the fan and cable could fail if subject to abuse, neglect or if improperly installed.

1. Loop one end of the cable around the large diameter wires of both the front and rear guard as shown in Figure 1.

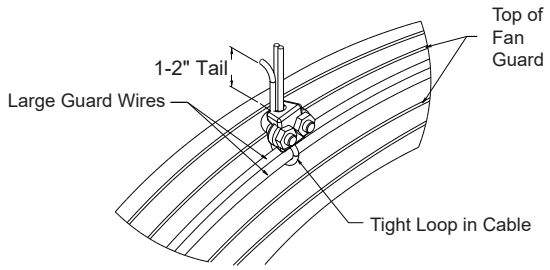


Figure 1 - Cable Retainer Detail

2. 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, 32 in. lbs of torque. Make sure the cable does not interfere with the propeller.

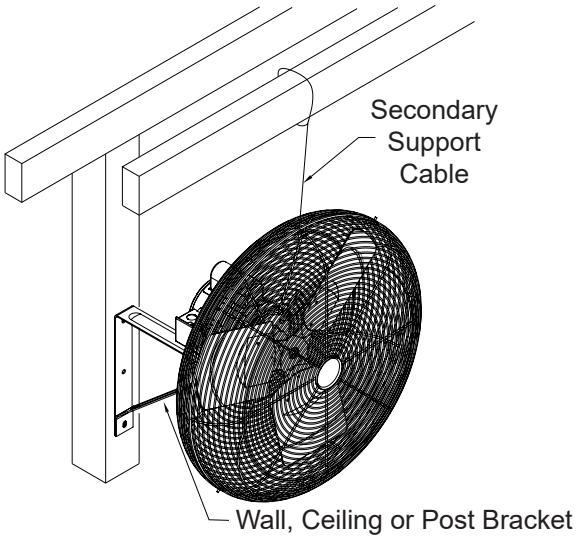


Figure 2 - Secure Cable to Nearest Support With Wall/Ceiling Bracket

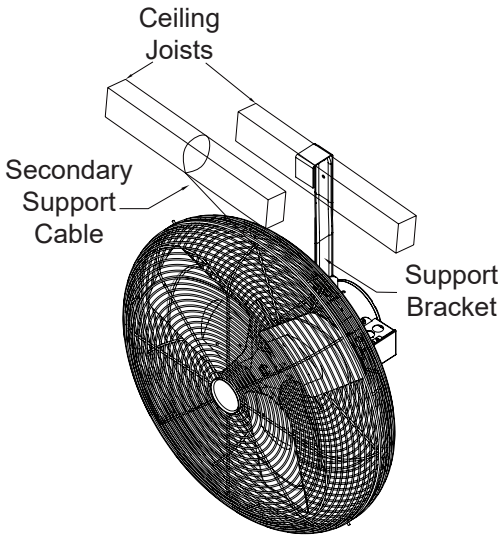


Figure 3 - Secure Cable to Nearest Support With Suspension Bracket

3. Wrap the other end of the cable around a secure building joist, beam, truss or other support near the fan as shown in Figure 2 and Figure 3. 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.
4. Attach the remaining cable retainers as done previously in “step 2”. The excess tail should be trimmed to extend 1 to 2 inches past the second clamp.
5. Check the assembly to assure the propeller is free of all obstructions and turns freely.
6. Connect the fan to the proper power supply ensuring that it conforms to the electrical ratings listed on the fan's motor nameplate.

⚠ CAUTION

To avoid personal injury, fans must be supported anytime angle is adjusted.

High-Temperature Wall Mount Fan

3 Secondary Safety Support Cable (Continued)

All 115V, single-phase fans include a pull-chain switch. When the fan is installed in a ceiling mounted configuration, the plastic elbow on the pull-chain switch must be manually rotated upside down. Refer to Figure 4.

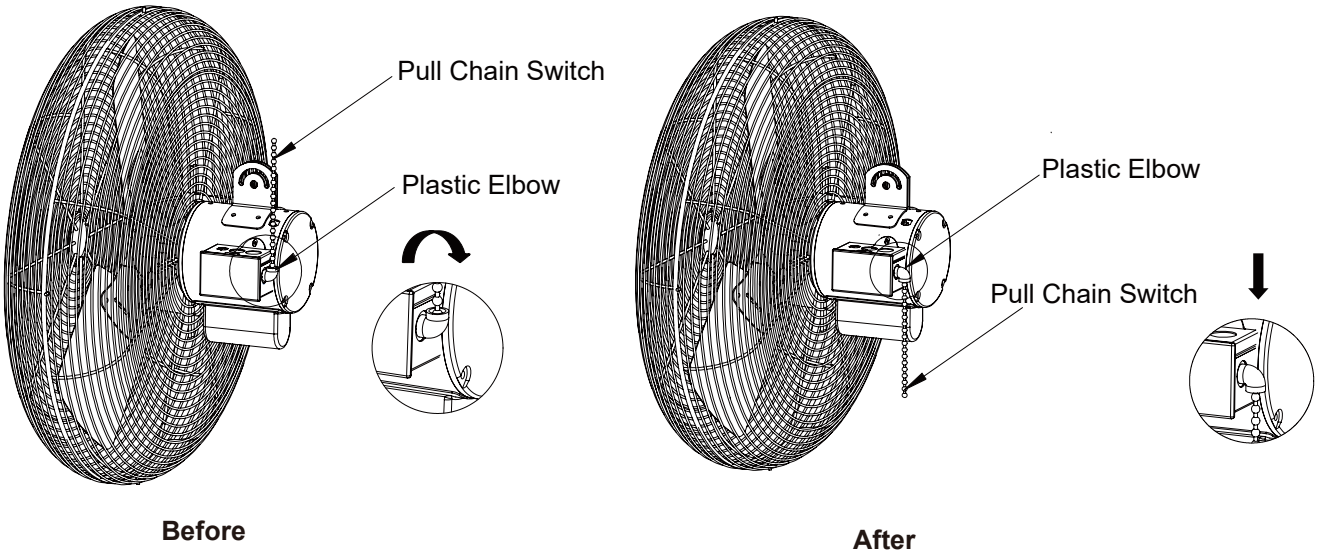


Figure 4 - Plastic Elbow Illustration

High-Temperature Wall Mount Fan

4 Maintenance

1. Periodically clean the propeller, guard, and motor whenever excessive dirt or debris accumulates.
2. Allow the motor to cool completely before cleaning, as it may be hot enough to cause injury.
3. While the fan is running, check for any unusual noises, and periodically inspect and tighten all bolts.