

INSTALLATION & MAINTENANCE INSTRUCTIONS

QUIETAIRE WALL FANS

FREIGHT

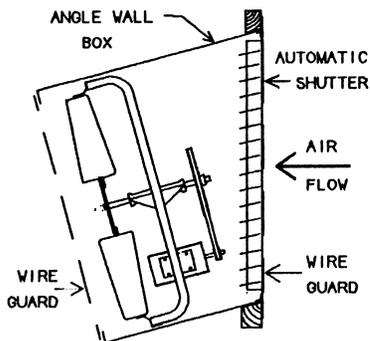
1. On receipt of the equipment, the shipment should be inspected immediately for freight carrier damage and notations made on the freight bill if there are any damages.
2. Quietaire Corporation will not be responsible for freight claims. We will assist in any way possible, but we will not file the actual freight claim.

WARNING

3. THIS PRODUCT HAS MOVING PARTS AND EXTREME CARE AND SAFETY SHOULD BE EXERCISED DURING INSTALLATION, OPERATION AND MAINTENANCE.
4. NEVER use a fan in environments where its electrical system might ignite combustible or flammable materials unless it is designed specifically for this application.
5. OSHA requires that guards be installed if fan is within seven (7) feet of working level or within the reach of personnel or when deemed advisable for safety.

ANGLE FLOW FANS

6. To install a Quietaire angle flow fan, you must first cut a rectangular opening according to the chart in figure 1. We recommend that you frame your opening with 2 x 4 material, or metal framework found in metal buildings or greenhouses. If the wall is several inches thick, the opening should be angled as shown in figure 2.



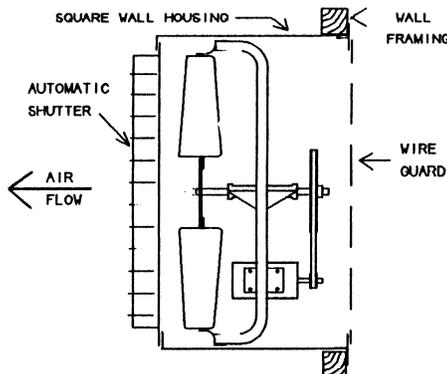
ALUMINUM			GALVANIZED		
MODEL #	WALL	OPENING	MODEL #	WALL	OPENING
AGHA 26	34	32 1/2	AGCS 24	28 1/2	28 3/4
AGHA 32	40	38 1/2	AGCS 30	35 5/8	34 3/4
AGHA 38	48	44 1/2	AGCS 38	42	40 3/4
AGHA 44	52 1/2	50 1/2	AGCS 42	48 1/4	48 3/4
AGHA 50	58 1/2	56 1/2	AGCS 48	54 1/4	52 3/4
AGHA 56	64 3/4	62 1/2	AGCS 56	64 3/4	62 1/2

7. Insert the fan housing from the inside of the building. Insert the housing so that the longest panel is on the top and slants down. Secure with bolts or drive screws provided by the installer. Caulk between the flanges and the wall to stop water seepage.

8. Continue with step 17.

SQUARE BOX FANS

9. To install a Quietaire square box fan, provide a square opening in the wall according to the chart in figure . We recommend that you frame in the opening with 2x4 material, or a metal frame in metal buildings or greenhouses.
10. Insert the fan through the inside of the framed opening in the wall. Secure with bolts or drive screws provided by the installer. Caulk between the flanges and the wall.
11. Continue with step 17.



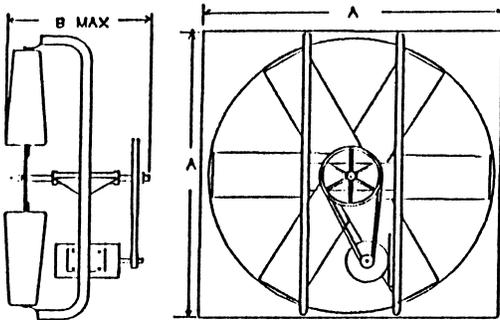
ALUMINUM		GALVANIZED	
MODEL #	SQUARE WALL OPENING	MODEL #	SQUARE WALL OPENING
GHA 26	32 1/2	GCS 24	28 3/4
GHA 32	38 1/2	GCS 30	34 1/4
GHA 38	44 1/2	GCS 38	40 3/4
GHA 44	50 1/2	GCS 42	46 3/4
GHA 50	56 1/2	GCS 48	52 3/4
GHA 56	62 1/2	GCS 56	62 3/4

FAN WITHOUT WALL BOX

12. To install a Quietaire fan without a wall box, provide an opening in the wall equal to the outside dimensions of the fan. We recommend that you frame in the opening with 2x4 material, or a metal frame found in metal buildings.
13. Insert the fan into the framed opening in the wall. Make sure that the motor is in the six o'clock position. Securely fasten with bolts or drive screws provided by the installer.
14. When using an automatic shutter, be sure to position the shutter at least 6" from the fan blades.

15. A distance of at least one and one-half times the diameter of the fan blade should be allowed between the fan inlet or discharge opening and any adjacent wall or large obstruction.

16. Continue with step 17.



GALVANIZED		ALUMINUM	
MODEL#	INCHES A B	MODEL#	INCHES A B
GCS 24	26 18	G1A 26	32 18
GCS 30	34 18	G1A 32	38 18
GCS 36	40 18	G1A 38	44 18
GCS 42	48 18	G1A 44	50 18
GCS 48	52 18	G1A 50	56 18
GCS 58	62 18	G1A 56	62 18

17. CAUTION: DO NOT PROCEED UNTIL MAKING SURE THAT THE ELECTRICITY TO THE FAN IS SET AND LOCKED IN THE "OFF" POSITION.

18. Before operation, turn the blade by hand to make sure that it turns freely without striking the panel. Check all screws and bolts for tightness.

19. **WARNING !** Incorrect wiring of the motors will void the warranty offered by the manufacturer. Check to see if the voltage supplied to the fan matches the voltage on the motor. On dual and multi-voltage motors, check the motor terminal connections to make sure motor is internally connected for voltage being supplied. The wiring diagrams are located on the side of the motor or in the junction box on the motor. Leave slack for motor movement when adjusting belt tension.

20. NOTE: On units with motors not mounted, a straight edge must be used to align the motor and fan pulleys. The set screws on these pulleys must be tightened on the flats of the shafts of on the keyway to prevent shaft damage from turning pulleys. The pulleys may be taken off and reversed if needed to align properly.

MAINTENANCE

21. Motor bearings are prelubricated. Consult information on motor for lubrication instructions.

22. Propeller shaft bearings are prelubricated, sealed and require no service. Set screws should be checked annually for secure fittings to the shaft.

23. Check belt tension after the first 48 hours of operation and then annually thereafter. When automatic belt tighteners are installed, this step may be skipped.

24. If replacement motor is needed, replace with one that is the same enclosure, service factor, frame size and shaft size (to keep from replacing motor pulley).

25. If replacement pulleys are needed, consult factory for proper replacements. Using incorrect pulleys could overload the motor and void any and all warranties.

26. Consult factory for replacement blade shaft bearings or any other fan parts.

Warranty

Warranty and Disclaimer: Quietaire Corporation extends this limited warranty to the original buyer and warrants that products manufactured by Quietaire shall be free from original defects in workmanship and materials for one year from date of shipment, provided same have been properly stored, installed service, maintained and operated. This warranty shall not apply to products which have been altered or repaired in any way so as to effect its performance, without Quietaire's express authorization, or altered or reliability, nor which have been improperly installed or subjected to misuse, negligence, or accident, or incorrectly used in combination with other substances. The Buyer assumes all risks and liability for results of; use of the products. Warranties on purchased parts, such as electric motor and controls are limited to the terms of warranty extended by our supplier.

Limitation Of Remedy And Damages: All claims under this warranty must be made in writing and delivered to Quietaire Corporation 505 North Hutcheson, Houston, Texas 77003 within 15 days after discovery of the defect and prior to the expiration of one year from the date of shipment by Quietaire of the product claimed defective, and Buyer shall be barred from any remedy if Buyer fails to make such claim within such period.

Within 30 days after receipt of a timely claim, Quietaire shall have the option either to inspect the product while in Buyer's possession or to request Buyer to return the product to Quietaire at Buyer's expense for inspection by Quietaire. Quietaire shall replace, or at its option repair, free of charge, any product it determines to be defective, and it shall ship the repaired or replacement product to Buyer F.O.B. point of shipment; provided, however, if circumstances are such as Quietaire judgment to prohibit repair or replacement to remedy the warranted defects, the buyer's sole and exclusive remedy shall be a refund to the buyer of any part of the invoice price, paid to Quietaire for the defective product or part.

Quietaire is not responsible for the cost of removal of the defective product or part, damages due to removal, or any expenses incurred in shipping the product or part to or from Quietaire plant, or the installation of the repaired or replaced product or part.

Implied warranties, when applicable, shall commence upon the same date as the express warranty provided above, and shall except for warranties of title, extend only for the duration of the express warranty provided above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. The only remedy provided to you under an applicable implied warranty and the express warranty shall be the remedy provided under the express warranty, subject to the terms and conditions contained therein. Quietaire shall not be liable for incidental and consequential losses and damages under the express warranty, any applicable implied warranty, or claims for negligence, except to the extent that his limitation is found to be unenforceable under applicable state law. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

No employee, agent, dealer, or other person is authorized to give any warranties on behalf of Quietaire or to assume for Quietaire any other liability in connection with any of its products except in writing and signed by an officer of Quietaire.

Technical Advice And Recommendation, Disclaimer: Notwithstanding any past practice or dealings or any custom of the trade, sales shall not include the furnishing of technical advice or assistance or system design. Any such assistance shall be at Quietaire sole option and may be subject to additional charge.

Quietaire assumes no obligation or liability on account of any recommendations, opinions, or advice as to the choice, installation or use of products. Any such recommendations, opinions or advice are given and shall be accepted at your own risk and shall not constitute any warranty or guarantee of such products or their performance.



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