



Fantech

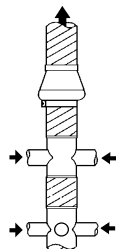
INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR MODEL FG

INSTRUCTIONS POUR L'INSTALLATION ET L'ENTRETIEN - MODÈLE FG

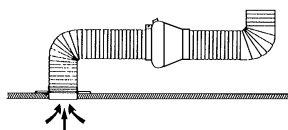
INSTRUCCIONES DE INSTALACION Y MANTENIMIENTO MODELO FG

READ AND SAVE THESE INSTRUCTIONS

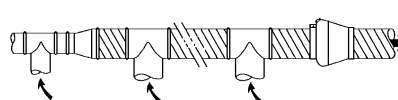
Exhaust system



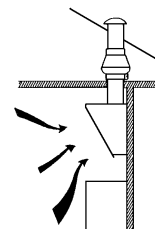
Ceiling exhaust system



Horizontal installation



Exhaust system

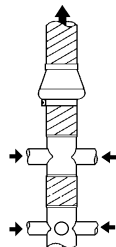


WARNING

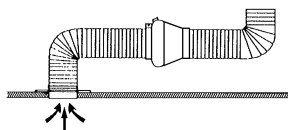
FANTECH INC. products are designed and manufactured to provide reliable performance, but they are not guaranteed to be 100% free of defects. Even reliable products will experience occasional failures, and this possibility should be recognized by the user. If these products are used in a life support ventilation system where failure could result in loss or injury, the user should provide adequate back-up ventilation, supplementary natural ventilation or failure alarm system, or acknowledge willingness to accept the risk of such loss or injury.

LISEZ CES INSTRUCTIONS ET CONSERVEZ — LES INSTALLATIONS TYPIQUES

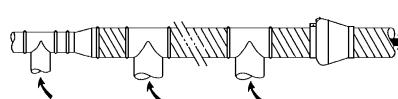
Système d'évacuation



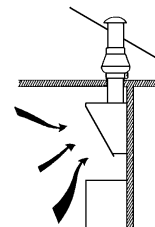
Système d'évacuation au plafond



Installation horizontale



Système d'évacuation

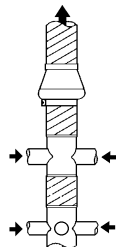


AVERTISSEMENT

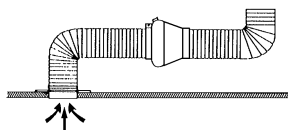
Les produits FANTECH INC. sont conçus et fabriqués afin d'assurer une performance fiable, sans toutefois être garantis à 100% libres de défauts. Même des produits fiables peuvent faire l'objet de problèmes occasionnels et cette possibilité devrait être reconnue par l'utilisateur. Si ces produits sont utilisés au sein d'un système de ventilation où leur défaut de fonctionnement pourrait occasionner des pertes ou des blessures, l'utilisateur devrait assurer un système adéquat de ventilation de réserve, une ventilation naturelle supplémentaire ou un système d'alarme en cas de défaillance, à moins qu'il n'avoue être prêt à accepter le risque de telle perte ou telle blessure.

LEA Y GUARDE ESTAS INSTRUCCIONES — INSTALACIONES TÍPICAS

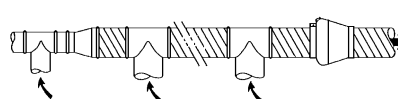
Sistema de escape



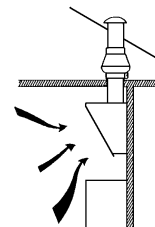
Escape montado en el cielo raso



Instalación horizontal



Sistema de escape



ADVERTENCIA

Los productos de FANTECH, INC. están diseñados y fabricados para proporcionar un rendimiento seguro, pero no garantizamos que estén un 100% libres de defectos. El usuario debe reconocer que hasta los productos más confiables fallan a veces. Si estos productos se emplean en un sistema de ventilación vital en el que cualquier falla pudiera ocasionar pérdidas o lesiones, el usuario debe también adoptar un sistema de ventilación de reserva; ventilación natural de suplemento o un sistema de alarma de fallas, o reconocer que está dispuesto a asimilar el riesgo de tales pérdidas o lesiones.

INSTALLATION

1. The compactness of the FG series, plus the adaptability to be mounted in any position, permits easy installation. This straight-thru air flow fan can be mounted at any angle from horizontal to vertical.
2. Because this unit has rotating parts, safety precautions should be exercised during this phase of installation, operation and maintenance.
3. **CAUTION:** For General Ventilation Use Only. Do Not Use To Exhaust Hazardous Or Explosive Material and Vapors.
4. Remove unit from package and inspect within 15 days after receipt. If damaged, report damage to carrier. Do NOT operate this unit with visible damage to the blower or impeller assembly.
5. **WARNING! TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS - OBSERVE THE FOLLOWING:**
 - A. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact your manufacturer's representative.
 - B. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
 - C. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
 - D. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
 - E. When cutting or drilling into wall and ceiling, do not damage electrical wiring and other hidden utilities.
 - F. Ducted fans must always be vented to the outdoors.
 - G. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) – protected branch circuit.
 - H. NEVER place a switch where it can be reached from a tub or shower.
6. For PB Series fans, if bracket is used to mount fan, refer to illustration 1. If suspending fan with hanger straps, refer to illustration 2.
7. To attach duct work, use duct tape at inlet and outlet to assure good seal. If using FANTECH FC clamps: attach FC clamps and insert screws through clamp into inlet and outlet flanges. **CAUTION:** Use 1/2" sheet metal screws to secure duct work to inlet and outlet. It is critical that the screw penetrate the metal of the inlet flange but not so far as to bind the impeller. It may be necessary to angle screws away from impeller.
CAUTION: If not using FANTECH FC clamps use 1/4" screws.
8. Screen guards must be installed when fan will be within reach of personnel, within seven (7) feet of working area, or when advisable for safety.
9. FGC models are factory wired with a power cord. If installing a FGC model outdoors - Use only on GFCI protected receptacles. Do not use an extension cord with these models.
10. An appropriate duct termination device (roof cap, wall cap, louvered shutters, etc.) are to be used with this fan.

INSTALLATION DIAGRAMS FOR MODEL FG DUCT FANS

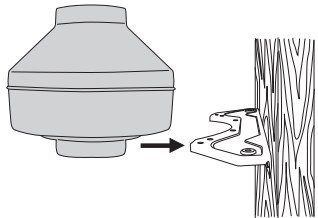
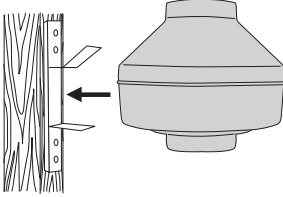
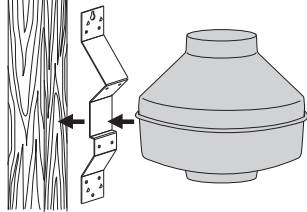
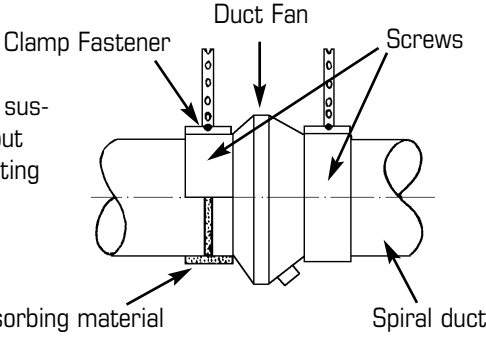
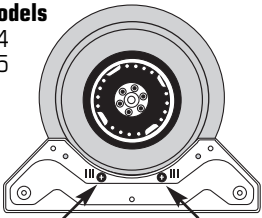
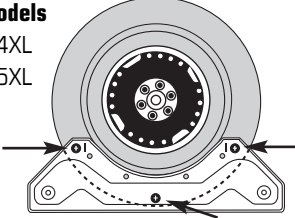
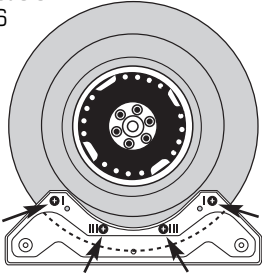
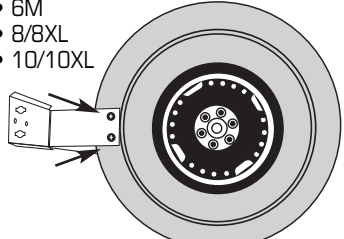
Illustration 1		
		
Models • 4/4XL • 6 • 5/5XL	Models • 6XL • 10/10XL • 8/8XL	Models • 12/12XL
Fan bracket should be installed, then fan mounted directly to bracket using sheet metal screws.		

Illustration 2



Fans may be suspended without special mounting brackets.

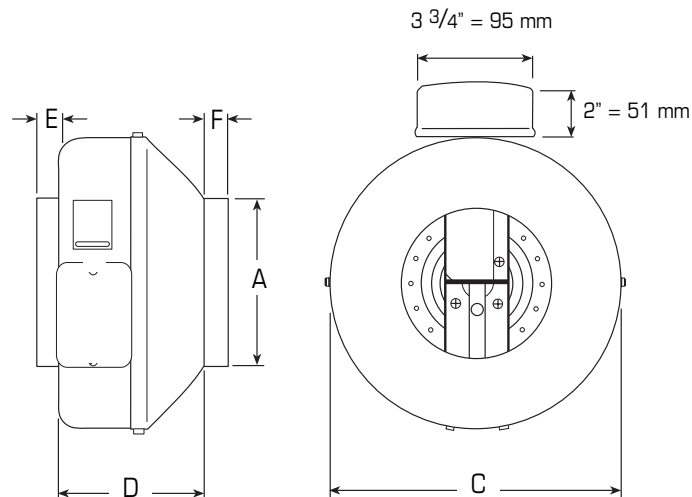
Mounting Bracket & Screw Locations for FG

Models • 4 • 5		Models • 4XL • 5XL	
Models • 6		Models • 6XL • 6M • 8/8XL • 10/10XL	

DIMENSION MODEL FG

Dimensions in inches.

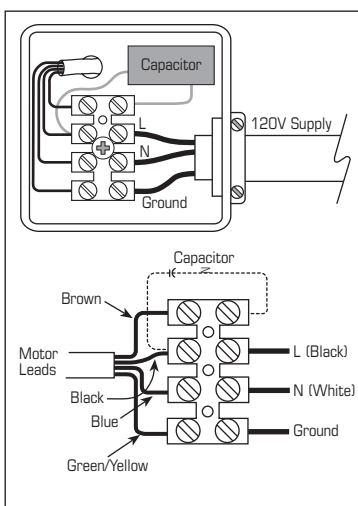
Model	A	C	D	E	F
4	4	8 $\frac{3}{4}$	6 $\frac{1}{2}$	1	1
4XL	4	9 $\frac{3}{4}$	6 $\frac{15}{16}$	1	1
5	5	8 $\frac{3}{4}$	5 $\frac{1}{2}$	1	$\frac{7}{8}$
5XL	5	9 $\frac{3}{4}$	5 $\frac{15}{16}$	1	1
6	6	11 $\frac{3}{8}$	6	1	1
6XL	6	13 $\frac{1}{8}$	6 $\frac{5}{8}$	1	1
6M	6	13 $\frac{1}{8}$	6 $\frac{5}{8}$	1	1
8, 8XL	8	13 $\frac{3}{8}$	6	1 $\frac{1}{8}$	1 $\frac{1}{8}$
10	10	13 $\frac{3}{8}$	4 $\frac{11}{16}$	1 $\frac{1}{8}$	1
10XL	10	13 $\frac{3}{8}$	5 $\frac{7}{8}$	1 $\frac{1}{8}$	1
12, 12XL	12	16	8 $\frac{1}{4}$	1 $\frac{1}{16}$	1 $\frac{3}{16}$



SPECIAL WIRING PRECAUTIONS

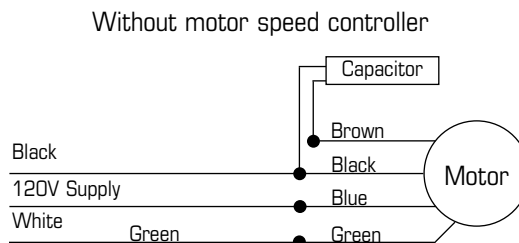
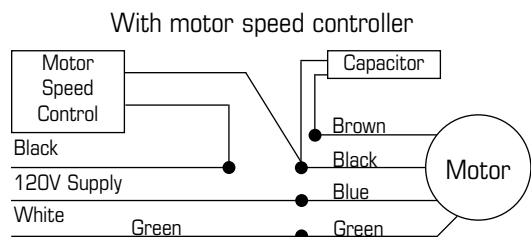
All installation should be wired according to the following diagrams.
Failure to comply will cause the motor to “hum” or not work.

Note: Liquid tight wiring must be used for outside applications.



Note: Model FGC comes pre-wired with three prong power cord.

INSTRUCTION FOR ALL MODEL FG FANS



TROUBLESHOOTING

If fan fails to operate, please check the following:

- Consult wiring diagrams included to ensure proper connections.
- To ensure proper contact, check motor lead wiring, incoming supply wiring and capacitor connections.
- If possible, use a meter to test for continuity between fan leads. Please note capacitor will show no reading if tested with meter.

MAINTENANCE

- Since fan bearings are sealed and have been provided with an internal lubricating material, no lubrication is necessary.
- Once a year, remove any airborne particles in the impeller. No other maintenance is required.