

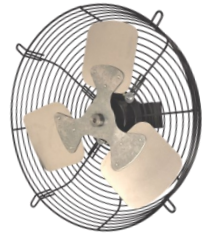


Guard Mounted Exhaust Fan Manual Thermostat Included With Select Models

Sizes: 8" - 36" • 115V/60HZ • UL/cUL 705

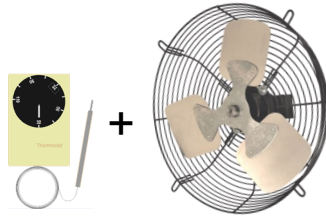
Models Covered—Without Thermostat

8GM, 10GM, 12GM, 14GM, 16GM,
18GM, 20GM, 24GM, 30GM, 36GM



Models Covered—Thermostat Included

8GM-TH, 10GM-TH, 12GM-TH, 14GM-TH,
16GM-TH, 18GM-TH, 20GM-TH, 24GM-TH



Please read and save these instructions. Read carefully before attempting to install, operate or maintain the equipment described within this manual. Carefully follow all safety information.

Save this manual for future reference.

Model # _____ Purchase Date: _____

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Tools/Materials Needed:

- Drill/drill bits
- Ratchet/Socket set
- Mounting Fasteners

Contents:

- Exhaust Fan (1)
- Instruction Manual (1)

Inspection

After unpacking your fan, carefully inspect for any damage that may have occurred during transit. Inspect for loose, missing or damaged parts. If there is physical damage to any parts of the fan, a freight claim must be filed with the carrier. Check to make sure that all bolts, screws and set screws are securely tightened and have not become loose during transit. Retighten as required.



Warning:

General Safety Instructions

Before installing or servicing, disconnect all power. Keep hands and body parts clear of all moving parts when installing or servicing.

Read and follow all instructions, cautions and warnings. Failure to do so could result in personal injury, death or property damage.

Electrical connections, installation and maintenance must be done by qualified personnel in accordance with all applicable codes. Unit must be adequately grounded.

To reduce the risk of fire or electrical shock, do not expose this fan to water or touch electrically live components.

Free rotation of the propeller is critical. It must not touch any part of the guard or opening framework.

Ensure that all power cords do not come in contact with any sharp edges, hot surfaces or chemicals. Immediately replace any damaged cords.

Keep hands and body parts clear of all moving parts when installing or servicing.



Fan Installation & Operation Tips



Caution: Before operating your new fan, check blade for proper torque, check all fasteners for tightness. Ensure fan blade is not obstructed.

For exhaust opening dimensions, refer to rough-in opening dimensions shown in the specifications table in this manual.

Position the fan for desired airflow. Refer to fan mounting orientation in this manual.

Ensure the fan is fastened securely to the wall to avoid excess "rattling" or vibration. Fasteners not included.

Refer to motor nameplate for wiring diagram.

Ensure that the area in front of and behind the fan is clear of any objects that may interfere with airflow.

Adequate intake air must be available to the fan for proper exhausting of air.

It is recommended to use fixed vents or screen on exterior of building to keep out elements and/or pests.

Check for excessive vibration while fan is running. If excessive vibration is noticed, refer to troubleshooting chart in this manual.

When using speed controls on the variable speed capable models, it is recommended to operate at no less than 50% of line voltage. Controls sold separately.

Variable speed controls should be installed by a qualified electrician.

"-TH" models include thermostat.

Performance/Specifications (Models Without Thermostat)

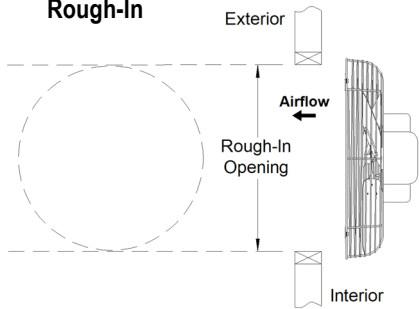
Model:	High CFM	Area Cov. Sq Ft	Prop Dia. In.	HP	Ph	Volts	High Amps	Spd	Rough-In Opening Dia. In.	Dim. A In.	Dim. B In.	Dim. C In.
8GM	360	540	8	1/25	1	115	.6	Var. Cap.	8.5	7.38	8.38	6
10GM	770	1155	10	1/25	1	115	.6	Var. Cap.	10.5	8.75	11.38	6
12GM	1100	1650	12	1/15	1	115	1.0	Var. Cap.	12.5"	10.25	13.50	7
14GM	1600	2400	14	1/10	1	115	1.0	Var. Cap.	14.5	12.20	15.75	7
16GM	1700	2550	16	1/10	1	115	1.0	Var. Cap.	16.5	12.94	17.25	7
18GM	2000	3000	18	1/10	1	115	1.0	Var. Cap.	18.5	15.44	19.81	7
20GM	3700	5500	20	1/4	1	115	2.8	Var. Cap.	20.5	16.75	21.81	12
24GM	4600	6500	24	1/3	1	115	3.2	Var. Cap.	24.5	19.75	25.81	12
30GM	6700	9000	30	1/3	1	115	3.8	1	30.5	-	31.75	13
36GM	9600	12500	36	1/2	1	115	5.6	1	36.5	-	37.75	13

Variable Speed Capable Models DO NOT include control. Variable speed control sold separately.

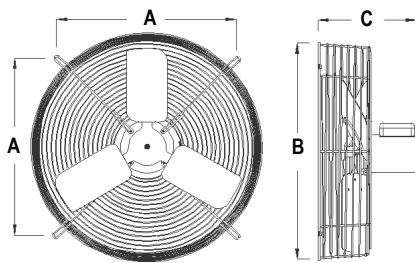
Performance/Specifications (Models Including Thermostat)

Model: Thermostat Included	High CFM	Area Cov. Sq Ft	Prop Dia. In.	HP	Ph	Volts	High Amps	Thermostat		Rough-In Opening Dia. In.	Dim. A In.	Dim. B In.	Dim. C In.
								Electrical Rating	Probe Length In.				
8GM-TH	360	540	8	1/25	1	115	.6	16A 400V	48	8.5	7.38	8.38	6
10GM-TH	770	1155	10	1/25	1	115	.6	16A 400V	48	10.5	8.75	11.38	6
12GM-TH	1100	1650	12	1/15	1	115	1.0	16A 400V	48	12.5	10.25	13.50	7
14GM-TH	1600	2400	14	1/10	1	115	1.0	16A 400V	48	14.5	12.20	15.75	7
16GM-TH	1700	2550	16	1/10	1	115	1.0	16A 400V	48	16.5	12.94	17.25	7
18GM-TH	2000	3000	18	1/10	1	115	1.0	16A 400V	48	18.5	15.44	19.81	7
20GM-TH	3700	5500	20	1/4	1	115	2.8	16A 400V	48	20.5	16.75	21.81	12
24GM-TH	4600	6500	24	1/3	1	115	3.2	16A 400V	48	24.5	19.75	25.81	12

Rough-In

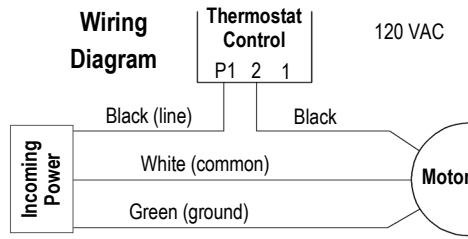


Dims.



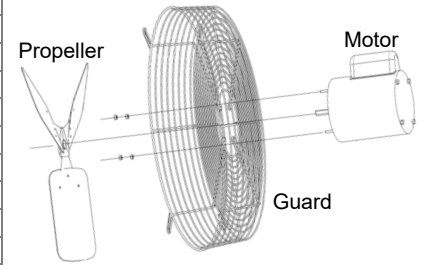
Thermostat
Model: TH120C

Wall Mount Junction Box
Extendable Temperature Probe Up to 48"



Replacement Parts Breakdown

Model:	Prop	Guard	Motor
8GM	9001655	G7SF	E030-4
10GM	9001656	G10SF	E030-4
12GM	9001657	G12SF	E035-4
14GM	9001695	G14SF	E075-4
16GM	9001658	G16SF	E075-4
18GM	9001959	G18SF	E075-6
20GM	9001652	G20SF	B180-4
24GM	9001665	G24SF	B180-6
30GM	9001666	G30SF	B250-8F
36GM	9001667	G36SF	B370-8F



Model:	Prop	Guard	Motor	Thermostat
8GM-TH	9001655	G7SF	E030-4	TH120C
10GM-TH	9001656	G10SF	E030-4	TH120C
12GM-TH	9001657	G12SF	E035-4	TH120C
14GM-TH	9001695	G14SF	E075-4	TH120C
16GM-TH	9001658	G16SF	E075-4	TH120C
18GM-TH	9001959	G18SF	E075-6	TH120C
20GM-TH	9001652	G20SF	B180-4	TH120C
24GM-TH	9001665	G24SF	B180-6	TH120C



Maintenance

Periodic maintenance and component cleaning schedules should be set to assure reliability and performance of the fan.

Periodically check for excessive vibration while fan is running.

Periodically inspect and tighten all set screws and hardware—check torque on prop.

Assure all mounting hardware remains properly secured.

Motors feature permanently sealed ball bearings and require no further lubrication.

Note: Please contact the dealer/distributor where you purchased the fan from with any questions regarding the fan, the manual or replacement parts.

Troubleshooting Guide

Symptom	Possible Cause(s)	Corrective Action
Fan will not start	1. Tripped circuit breaker 2. Defective motor 3. Incorrectly wired 4. Electricity turned off	1. Reset circuit breaker 2. Repair or replace 3. Shut off power, check for proper connections 4. Contact local power company
Excessive noise or vibration	1. Propeller is bent or hitting housing 2. Fan not securely anchored 3. Bad/noisy bearings	1. Free propeller of obstruction/replace propeller 2. Secure properly 3. Replace motor
Insufficient airflow	1. Incorrect voltage applied 2. Defective motor 3. Propeller is damaged 4. Blocked Airflow 5. Not enough intake air 6. Fan is dirty	1. Wire properly 2. Replace motor 3. Replace propeller 4. Remove obstructions 5. Add additional air intake openings 6. Clean fan guards/screens, motor and propeller
Motor overheats or trips out	1. Over/under line voltage 2. Defective motor 3. Fan is dirty 4. Not enough intake air	1. Contact local power company 2. Replace motor 3. Clean fan guards/screens, motor and propeller 4. Add additional air intake openings