Shutter Mounted Exhaust Fan Instruction Sheet

Sizes: 8” - 36” 115V/60HZ



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:_____

Tools/Materials Needed:

- Drill/drill bits/phillips bit
- Ratchet/Socket set
- Sealant/Caulking
- Mounting Fasteners

Contents:

- Shutter 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.

General Safety Instructions

Warning:

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 shutter.

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.

Caution: ***OSHA requires OSHA compliant guards within 7ft of the floor or working level.***

Fan Installation & Operation

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

Position the fan for desired airflow. Air will discharge on the side of the fan facing the shutter.

Ensure the fan is fastened securely in the opening to avoid excess “rattling” or vibration. Fasteners not included.

Refer to motor nameplate for wiring diagram on 30” and 36” fans.

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.

The gravity shutters will open when the fan is powered and will close when the fan is shut off.

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 models, it is recommended to operate at no less than 50% of line voltage.

Variable speed controls must be installed by a qualified electrician. ***Speed controls sold separately.***

Caution: ***Before operating your new fan, check blade for proper torque, check all fasteners for tightness and assure screens and/or shutters are securely in place.***

Performance/Specifications

Model(s):	Shutter Size	HP	Amps	CFM @ 0.0 SP	Speed	Approx. Area Coverage	Sones @ 5ft	Rough-In Opening	Dim A	Dim B	Dim C
8SF4V30C, S8V, 8SFV-H	8”	1/25	.6	300	Var.	150 sq/ft	5.4	8.5” X 8.5”	11”	11”	8”
10SF4V30C, S10V, 10SFV-H	10”	1/25	.6	650	Var.	200 sq/ft	6.2	10.5” X 10.5”	11”	13”	10”
12SF4T50C, S123, 12SF3-H	12"	1/12	1.0	1100	3	300 sq/ft	6	12.5" X 12.5"	11”	15”	12”
12SF4V35C, S12V, 12SFV-H	12”	1/15	1.0	900	Var.	250 sq/ft	6	12.5" X 12.5"	11”	15”	12”
14SF4V75C, S14V, 14SFV-H	14”	1/10	1.0	1350	Var.	325 sq/ft	6.1	14.5” X 14.5”	11”	17”	14”
16SF4T60C, S163, 16SF3-H	16”	1/12	1.0	1325	3	325 sq/ft	6.3	16.5” X 16.5”	12”	19”	16”
16SF4V75C, S16V, 16SFV-H	16”	1/10	1.0	1400	Var.	350 sq/ft	6.4	16.5” X 16.5”	12”	19”	16”
18SF6V75C, 18SFV-H	18”	1/10	1.0	1785	Var.	400 sq/ft	7.4	18.5” X 18.5”	12”	21”	18”
18SF4V180C, S18V, 18SF-H	18”	1/4	2.8	3130	Var.	800 sq/ft	7.3	18.5” X 18.5”	15”	21”	18”
20SF4T90C, S203, 20SF3-H	20"	1/8	1.2	2860	3	775 sq/ft	6.8	20.5" X 20.5"	13”	23”	20”
20SF4V180C, S20V, 20SFV-H	20"	1/4	2.8	3340	Var.	900 sq/ft	7	20.5" X 20.5"	16”	23”	20”
24SF6D240C, S242, 24SF2-H	24"	1/3	3.1	4450	2	1300 sq/ft	7.4	25" X 25"	17”	27”	24”
24SF6V240C, S24V, 24SFV-H	24"	1/3	3.2	4450	Var.	1300 sq/ft	7.4	25" X 25"	17”	27”	24”
30SF8N240, S30, 30SF-H	30”	1/3	3.8	5895	1	1750 sq/ft	7	31” X 31”	18”	33”	30”
36SF8N370, S36, 36SF-H	36”	1/2	5.5	8860	1	2200 sq/ft	8.3	37” X 37”	18”	39”	36”

Maintenance

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

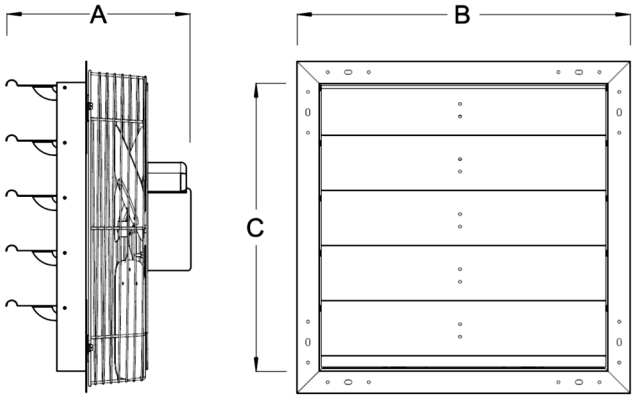
Periodically check for excessive vibration while fan is running.

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

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, manual or if you are in need of replacement parts.***



Troubleshooting Guide

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