



Instruction Manual for The "S" Series Wall Exhaust Shutter Fan

Read Instructions Completely Before Installation, & Save for Reference

Standard Fans:

These models have a rugged, welded steel box housing with a powder coated finish and aluminum shutters that are supported by long-life nylon bushings. The shutters open automatically when the fan starts up and close when the fan stops.

Fan Dimensions

| Size | A | B | C | D | Wall Dimension Openings |
|------|---------|-----|----|---------|-------------------------|
| 8" | 13 1/4" | 10" | 4" | 10 3/4" | 11" x 11" |
| 10" | 15 1/4" | 10" | 4" | 12 3/4" | 13" x 13" |
| 12" | 17 1/4" | 14" | 6" | 14 3/4" | 15" x 15" |
| 14" | 19 1/4" | 14" | 6" | 16 3/4" | 17" x 17" |
| 16" | 21 1/4" | 14" | 6" | 18 3/4" | 19" x 19" |
| 18" | 23 1/4" | 15" | 6" | 20 3/4" | 21" x 21" |
| 20" | 25 1/4" | 16" | 6" | 22 3/4" | 23" x 23" |
| 24" | 29 1/4" | 16" | 6" | 26 3/4" | 27" x 27" |
| 30" | 35 1/4" | 19" | 6" | 32 3/4" | 33" x 33" |
| 36" | 41 1/4" | 16" | 6" | 38 3/4" | 39" x 39" |

Installation:

Installation is fast and simple. A sturdy framed wall opening should be prepared in advance to the size indicated for your fan in the chart above. With lag bolts for wooden frames or nut, bolt and lock washers for steel frames, secure the fan using the four mounting holes provided, one in each corner of the fan.

Electrical Connections:



WARNING:
Be Sure Power is OFF at the Electrical Panel before Wiring.

WARNING: All Electrical Work Should be Performed by a Qualified Electrician

These fans are supplied with single, two or variable speed motors. Single and two speed motors are 120V only. Variable speed motors are dual voltage. All dual voltage motors are pre-wired at 240V in our factory. Rewire motor as per motor nameplate if running fan at 120V. Please see the motor nameplate for wiring diagram. Make electrical connections in motor connection box as per the motor nameplate. Two speed fans require a two speed control or 3 position toggle switch to change from high/low/off. See wiring diagram with control for 2 speed wiring instructions.



Operation:

WARNING! Variable Speed Fans Should Have the Minimum Speed Set to Open Shutters at Least One Inch for Proper Motor Cooling and to Prevent Motor Failure.

All fans are direct drive. Fans with variable speed motors can be operated as an energy efficient single speed fan or in variable operation with the proper controller. As mentioned above, two speed fans require a two speed control or 3 position toggle switch to change from high speed to low and off.

WARNING! OSHA RECOMMENDED SAFETY GUARDING MUST BE USED IF FANS ARE MOUNTED LOWER THAN 7 FEET (2.128 METRES) FROM THE FLOOR OR GROUND LEVEL OR CAN BE EASILY REACHED FROM ANY NORMALLY ACCESSIBLE LOCATION.

Accessories:

Soler & Palau provides a complete line of manual and thermostatic controls. Soler & Palau also offers wall mount exhaust shutter kits, replacement shutter sets, and weather protection hoods.

Maintenance:

Motors are equipped with automatic overload protection and may restart without warning.

Always disconnect from power before attempting service.

Motor, blade and shutters should be kept clean of any buildup to prevent premature motor failure and to achieve proper performance. Automatic shutters should be kept operating freely. As with all mechanical equipment, scheduled inspections should include checking that all hardware is secure and blade screws are tight.

WARRANTY

Soler & Palau warrants every new fan to be free of defects in material and workmanship, to the extent that, within a period of one year from the date of purchase, Soler & Palau shall either repair or replace, at Soler & Palau's option, any unit or part thereof, (returned freight prepaid) and found to be defective.

This warranty does not include any labour or transportation costs incidental to the removal and reinstallation of the unit at the user's premises.

Components repaired or replaced are warranted through the remainder of the original warranty period only.

This warranty applies to the original purchaser-user only; it is null and void in case of alteration, accident, abuse, neglect, and operation not in accordance with instructions.

NOTICE: No warranty claims will be honoured by Soler & Palau unless prior authorization is obtained.

Damages from shipping, either concealed or visible, must be claimed with the freight company.

Damages from improper wiring or installation will not be warranted.

Damages or failure caused by Acts of God, or resulting from improper consumer procedures such as:

- 1 - Improper maintenance
- 2 - Misuse, abuse, abnormal use or accident
- 3 - Incorrect voltage or current

will NOT be warranted.