

## COMMERCIAL EXHAUST FAN INSTRUCTIONS

READ AND SAVE THESE IMPORTANT INSTRUCTIONS

**WARNING:** TO REDUCE THE RISK OF FIRE, ELECTRICAL 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 the manufacturer.
- B. Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.
- 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. The combustion airflow needed for safe operation of fuel-burning equipment may be affected by this unit's operation. 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 Engineer (ASHRAE), and the local code authorities.
- E. When cutting or drilling into wall or ceiling, do not damage electrical wiring or other hidden utilities.
- F. If a thermostat is used to control the fan, a manual timer or other switch with an positive "off" must also be connected in the circuit to assure that fan will not automatically cycle on when operation is not desired.
- G. The fan has an unguarded fan blade and is intended for locations not readily accessible. If fan is likely to be accessible by people or animals, a wire mesh screen guard with steel frame support, which allow adequate clearance from all moving parts should be installed.
- H. The fan should be supplied by an individual 20 amp time-delayed protected circuit so that it may be disconnected for servicing and during winter months when it may be covered to prevent heat loss.

**CAUTION - FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.**

**WARNING - TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT USE ANY SOLID-STATE SPEED CONTROL DEVICE WITH THIS FAN.**

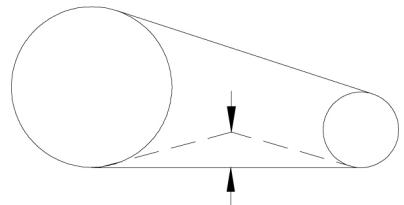
See reverse side for general fan and shutter information

# COMMERCIAL EXHAUST FANS AND SHUTTERS

## GENERAL INFORMATION AND DIMENSIONS

### READ AND SAVE THESE IMPORTANT INSTRUCTIONS

**Note:** Install the belt by placing on motor pulley and rolling onto the large fan pulley, belt tension should be 5/8" - 3/4" when deflected, measured from outside edge of belt, one side only.



#### **IMPORTANT NOTE:**

Read all instructions before cutting any holes in mounting surfaces. See instructions on reverse side. If you have any questions regarding required hole sizes for mounting fans and/or shutter contact manufacturer before cutting holes. TPI Customer Service Department 1-800-251-0382 or 1-423-477-4131 or Fax at 1-423-477-0683.

#### **Fan Information**

Fan Model	Blade Size	F.A. CFM	Motor H.P.	Operating Voltage	Fan Dimensions				Maximum Required Inside Wall Opening
CE 24-B	24"	3270	1/3	115	29.5	28.0	3.25	17.0	29.5 X 28.0
CE 30-B	30"	7730	1/3	115	35.5	34.0	3.25	17.0	35.5 X 34.0
CE 36-B	36"	9870	1/2	115	41.5	40.0	4.0	17.0	41.5 X 40.0
CE 42-B	42"	14800	3/4	115	48.0	18.0	4.0	17.0	48.0 X 48.0
CE 48-B	48"	21500	1	115	54.0	54.0	4.0	17.0	54.0 X 54.0

F.A. =FREE AIR

All dimensions are in inches

**NOTE:** The required inside wall hole size may differ from the required outside wall hole size, since the inside wall hole size needs to be either large enough to accept the throat of the fan's venturi (minimum) or large enough to accept the whole fan frame (Fan Dimensions A+B Square Hole). Either method may require roughing in around the wall hole with a wood frame to properly secure fan to mounting surface. See CE Fan diagram below for examples.

#### **Shutter Information**

Shutter Model	Corresponding Fan Model	Shutter Dimensions			Maximum Opening Shutter Will Cover	Maximum Required Outside Wall Opening
		A	B	C		
CES 24	CE 24-B	3.0	24.0	SQ	24.0 x 24.0	24.0 x 24.0
CES 30	CE 30-B	3.0	30.0	SQ	30.0 x 30.0	30.0 x 30.0
CES 36	CE 30-B	3.0	36.0	SQ	36.0 x 36.0	36.0 x 36.0
CES 42	CE 42-B	3.0	42.0	SQ	42.0 x 42.0	42.0 x 42.0
CES 48	CE 48-B	3.0	48.0	SQ	48.0 x 48.0	48.0 x 48.0

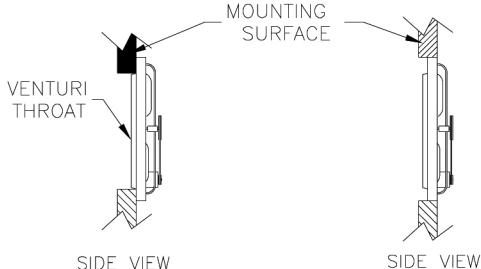
All dimensions are in inches.

**NOTE:** The maximum required outside wall hole size may differ from the required inside wall hole size, since the outside wall hole size needs to be of a size not to exceed maximum opening the shutter will cover. This may require roughing in around the wall hole with a wood frame to properly secure shutter to mounting surface.

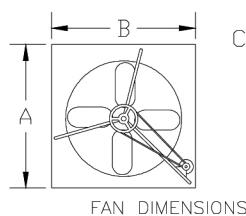
\* = Dimension "A" is with shutter closed.

**FLUSH MOUNTING METHOD**  
USING MINIMUM SIZE INSIDE WALL OPENING

**RECESSED MOUNTING METHOD**  
USING MAXIMUM SIZE INSIDE WALL OPENING



**CE Fan Diagram**



**CES Shutter Diagram**

