



## Cabinet 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 manufacture. 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 manufacture'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 a 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 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.
- H. Do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).

**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.**

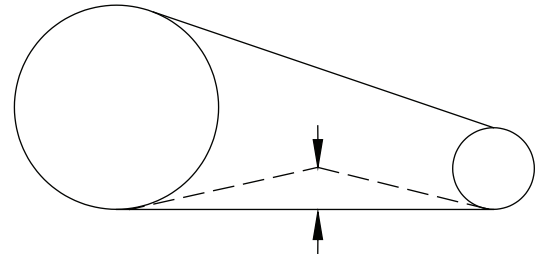
See reverse side for general fan and shutter information.

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## Cabinet Exhaust Fans with Shutters General Information and Dimensions

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**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 instruction on reverse side. If you have any question regarding required hole sizes for mounting fans and / or shutter contact manufacture before cutting holes. TPI Customer Service Department at 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 A X B
					A	B	C	D	
CBT 24-B	24"	3270	1/2	115	28.25	28.25	19.5	22.5	28.75 X 28.75
CBT 30-B	30"	7730	1/2	115	34.25	34.25	19.5	22.5	34.5 X 34.5
CBT 36-B	36"	9870	1/3	115	40.25	40.25	15.5	18.5	40.5 X 40.5
CBT 42-B	42"	14800	3/4	115	48.5	48.5	15.5	18.5	48.75 X 48.75
CBT 48-B	48"	21500	1	115	54.5	54.5	18.5	21.5	54.75 X 54.75

FA = FREE AIR

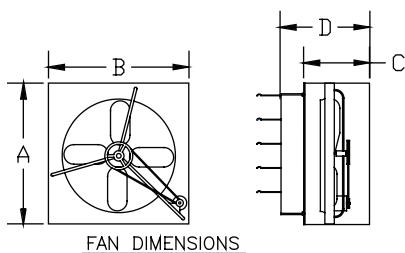
**NOTE:** The required inside wall hole size may differ from the required outside wall hole size, depending on how the fan is placed on the wall. Since the inside wall hole size needs to be either large enough to accept the throat of the shutter's discharge (minimum) or large enough to accept the whole 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 CBT fan diagram below for locations.

CORRESPONDING FAN MODEL	SHUTTER DIMENSION			MINIMUM OPENING SHUTTER WALL INSERT
	A*	B	C	
CBT 24-B	3.0	24.0	24.0	24.0 X 24.0
CBT 30-B	3.0	30.0	30.0	30.0 X 30.0
CBT 36-B	3.0	36.0	36.0	36.0 X 36.0
CBT 42-B	3.0	42.0	42.0	42.0 X 42.0
CBT 48-B	3.0	48.0	48.0	48.0 X 48.0

ALL DIMENSIONS ARE IN INCHES

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

### **CBT Fan Diagram**



### **Shutter Diagram**

