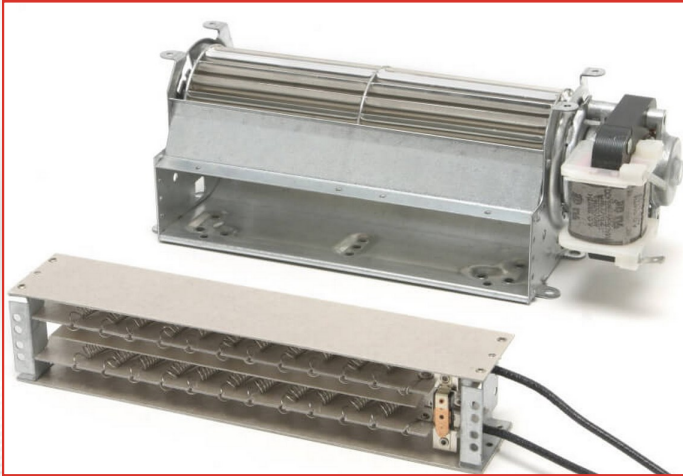


# Crossflow Blower 10 Quick Guide



## Product Description

Developed for maximum design flexibility, Crossflow Blower Heaters (CB Series) utilize multi-purpose mounting brackets attaching directly to the exhaust of a crossflow blower without the need for additional accessories

## Optional High Limit Safety

### 1. Optional Thermostat

- A high limit safety device designed to protect against overheating
- Do not use for temperature regulation
- Thermostat will automatically reset when thermostat has cooled to 25°C below opening temperature.
- Opening temperature should be approximately 25°C above transient temperature seen in normal operation

### 1. Optional Thermal Cut-Out (TCO)

- A high limit safety device designed to protect against overheating
- If opening temperature is reached TCO will open the circuit and the heater remains inoperable (one shot)
- TCO opening temperature should be at least 25°C above thermostat opening temperature (if used) or 25°C above transient temperature seen in normal operation

## CAUTION

Tutco-Farnam Custom Products recommends installation be performed by qualified personnel familiar with the National Electrical Code and all local codes and standards. It is the responsibility of the installer to verify the safety and suitability of the installation

Failure to follow Tutco-Farnam's recommendations could result in premature failure, serious equipment damage, injury or death

## WARNING

DO NOT mount heaters in an atmosphere containing combustible gases, vapors, dusts or fibers



Hazardous voltages are present in this equipment. Disconnect power before working on this heater



Exterior of heater at exhaust is approximately the air temperature. Treat the exterior of the heater as a potential burn hazard

Typical causes for uneven airflow are structural components blocking air or mounting the heater too close to elbows, transitions or the fan/blower

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## Mounting

The CB10 will mount to most 240mm blowers using the same mounting holes

## Dimensions

Please visit [www.farnam-custom.com](http://www.farnam-custom.com) for detailed drawings

## Set-up

If the high limit thermostat and/or TCO is included it is user's responsibility to determine the suitability by thorough testing to ensure that the unit will operate as intended. The user is solely responsible for the function of the end use product and/or application.

## Troubleshooting your CB10

If reduced heat output is suspected...

1. Disconnect power to the heater
2. Inspect the TCO (Thermal Cut-Out)
3. Check the resistance across the heater leads and ground—if there is a low resistance measured it indicates that the coil has shorted to ground
4. Check the resistance across the heater leads—If there is a very high/infinite resistance it indicates the heating element has a break in it
5. Contact Farnam Custom Products to replace the heater

## Operating your CB10

To operate this heater, ensure the blower is running and energize the main supply disconnect. If using a controller, set the controlling device to the desired temperature.

During initial heating, it is recommended to slowly ramp up the process set point and inspect the heating system for problems

**DO NOT** operate the heater at voltages higher than the recommended use

**DO NOT** continue using a heater if there are signs of damage. Consult Farnam Custom Products



**CAUTION: Troubleshooting and repairs should only be attempted by qualified maintenance personnel**



## Accessories

### Crossflow Blower



- Mounts directly to CB5
- Choose from a variety of voltages (VAC and VDC) to fit your need
- Contact Farnam Custom Products for more information

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