10 Series Pagoda FAQ

Q: Why would you choose a Fan Pagoda over a Plain Pagoda?
A: To increase the air exchange and keep vital electronics running cooler and more efficiently. The fan provides active cooling where the plain pagoda relies on natural convection.

Q: Why would you choose an impeller over a fan?
A: The impeller creates a higher static pressure inside the enclosure to provide good airflow around installed objects and operates at a very high CFM air flow.

Q: Why are we only offering these accessories with the Emcor10 Series product line?
A: 10 series is the premier offering, and therefore the most featured. They may in the future be introduced into other product lines.

Q: What is a Thermodisc?
A: A switch which turns on/ and off a device at preset temperatures.

Q: How does a Thermodisc work?
A: It is a bimetal switch designed to close the circuit (turn on the impeller) when the temperature rises to its preset point, then open the circuit (turn off the impeller) when the temperature drops below its lower set point. These set points are typically 15-20°F.

Q: How accurate is the Thermodisc?
A: Very accurate, and with its low thermal mass it switched pretty quickly.

Q: What is the advantage of having a preset Thermodisc in the Impeller Pagoda?
A: For situations when the running of the impeller is not always required, or is used as a safety. This saves energy and keeps the cabinet within a narrow temperature envelope which is good for electronics.

Q: Who Are Impeller Pagoda Competitors In The Marketplace?
A: Kooltronic, McLean and several other cooling electronic companies offer impeller fans, but none that are enclosed in a pagoda top the way ours is.

- **Kooltronic** probably offers the closest thing to our pagoda top impeller with its Pagoda Series Packaged Impeller Blowers. The Pagoda Series uses motorized impeller blowers for maximum efficiency and performance at reduced noise levels and have been designed for mounting on the top or sides of the cabinet. Air flows out of the cabinet into the inlet of the blower, exiting on all four sides. Differences between their product and ours: While their Pagoda Series Packaged Impeller Blower takes up no internal cabinet space, just like ours, it also appears to sit higher on top of the cabinet, which might not be ideal for situations where there is limited height space. The design of the Pagoda Series Packaged Impeller Blower is also more open and may allow more outside matter in while our pagoda impeller design prevents outside matter from getting in.

- **Pagoda Series Packaged Impeller Blower**
- Hoffman’s High Performance Pagoda Exhaust Vent may also be considered a pagoda impeller as it features an integral centrifugal blower mounted in a housing that includes a drip-proof removable hood, wire mesh finger guard, perimeter gasket and terminal block. Hoffman’s pagoda exhaust vents run from 200 – 600 CFM, while our pagoda impeller can run up to 1040 CFM.

- Hoffman’s High Performance Pagoda Exhaust Vent

Q: Who Are Fan Pagoda Competitors In The Marketplace?
A: While there are competitors out there who have pagoda tops and top fan panels, not too many have a pagoda top fan panel. Some of the competitors out there that have a somewhat similar pagoda top fan panel are as follows:

- Hoffman’s Pagoda Exhaust Vents: Hoffman’s pagoda exhaust vents can be field-installed on any PROLINE® solid top. An axial fan and finger guard are mounted in a housing. A drip-proof raised cover is removable from inside the enclosure. Gasket and mounting hardware are included. Differences from their product and ours: Hoffman’s pagoda exhaust vents only run up to 240 CFM, while ours runs up to 550 CFM; their fan is 6” while ours is 10”.

- Hoffman’s Pagoda Exhaust Vent

- Hoffman’s Pagoda Tops: Pagoda Tops are available to fit on standard frames. Design features a drip-proof raised pagoda vent with a 115-volt integral axial exhaust fan.

- Hoffman’s Pagoda Tops

- Hoffman’s Vented Top with Integral Fan Tray: Vented Top with Integral Fan Tray provides a cooling/ventilation solution for electronic and networking applications. An integral fan tray with three pre-wired and mounted fans provides up to 200-300 CFM of exhaust. Our pagoda fan top provides up to 550 CFM.

- Hoffman’s Vented Top with Integral Fan Tray

- Hammond’s Filterfan PTF line: Three different Filterfan products offer different CFM outputs, with pagoda cover for rugged environments. Differences from their product and ours: Hammond’s highest CFM Filterfan runs at 485 CFM, while ours provides 550 CFM. The Hammond Filterfan also does not come with a top panel to put on the frame, while our pagoda fan is ready to mount on top of a frame.

- Hammond’s Filterfan
- Rittal’s SK Pagoda Roof with Fan: 360CFM, 115V; comes with power cord. Differences from their product and ours: Rittal’s SK Pagoda Roof with Fan runs at 360 CFM, while ours provides 550 CFM.

- Rittal’s SK Pagoda Roof with Fan

If you are aware of a similar competitor offering out there that wasn’t mentioned in this section of the FAQ, Marketing would like to hear from you! Please email the competitor and the product name to emcormarketing@crenlo.com.