

Thermostat-Controlled Rack Cabinet Fan Kits *DTFK Series*

NEW SIZES

Key Features and Benefits

- Heavy-duty AC cooling fans with integrated thermostat automatically switch on and off based on enclosure temperature, helping maintain safe operating conditions while reducing unnecessary fan operation.
- Adjustable thermostat controls temperatures from 32°F to 140°F (0°C to 60°C), allowing cooling to match your application.
- Available as exhaust and intake fan configurations to support different airflow strategies and enclosure layouts. Airflow ranges from 105 CFM to 550 CFM, depending on the model.
- Designed for Hammond **NWC** Type 12 Filtered and selected **NWM** enclosures, while compatible with many Hammond products using the standard 4.7-inch fan opening. Additional mounting hardware is included where required.
- Complete kit includes the fan, integrated thermostat, 6-foot power cord, chrome safety grill, and mounting hardware for fast installation.
- Reduces continuous fan operation, helping decrease noise, energy consumption, and fan wear compared to continuously running cooling systems.
- Fan components are UL 507 recognized and CSA certified for dependable operation.
- Operating temperature range of -20°C to +60°C with 5% to 95% non-condensing humidity.
- Decibel (db) rating is measured at 12" to 24" from the source.
- TAA compliant, RoHS compliant, and REACH compliant. Manufactured in North America.

The DTFK Series Thermostat-Controlled Fan Kits provide intelligent cooling for rack cabinets and industrial enclosures by operating only when additional airflow is required. An integrated adjustable thermostat automatically activates the fan as enclosure temperatures rise and shuts it off once the desired temperature is restored. This helps protect sensitive electronics while reducing energy consumption, noise, and unnecessary fan wear.

Available in both intake and exhaust configurations with airflow up to 550 CFM, the DTFK Series is ideal for industrial automation, networking, telecommunications, and edge computing applications. Designed for Hammond filtered enclosures and compatible with many products featuring the standard 4.7-inch fan pattern, these kits offer an easy way to improve thermal management without continuous fan operation.

Gallery



Accessories

- Filter Fan Grills
- Exhaust Filters

Part No.	Airflow Direction	VAC	Fan Size	Unimpeded CFM	Noise (dB)	Plug Type	Cord Length	Filter Compatability	NWMFH Compatibility
DTFK1AC120E	Exhaust Fan	115	4.70	105	56	NEMA 5-15P	72.00	PFA20000	NWMFH1
DTFK1AC150E	Exhaust Fan	115	4.70	105	56	NEMA 5-15P	72.00	PFA30000	NWMFH2
DTFK1AC150	Intake Fan	115	6.00	230	70	NEMA 5-15P	72.00	PFA40000	NWMFH1
DTFK1AC254	Intake Fan	115	10.00	550	70	NEMA 5-15P	72.00	PFA60000	NWMFH2

DTFK1AC120E Hammond Product Compatibility

Exhaust Location	NWC	HWM	HWC	HLP	RCK	HWF	RB-FW	RB-SW	RB-DC	RB-AV	C2T19XXFXX X	C2T19XXVFX XX
Side Rear	•			•								
Top/Bottom Rear			•			•						
Side Body		•	•		•	•						
Top/Bottom Body		•					•	•	Top Only	Top Only	•	•

Where the DTFK Series Works Best

- Industrial control panels with varying heat loads.
- Type 12 filtered enclosures.
- Edge computing and remote equipment cabinets.
- Network and telecommunications cabinets.
- Manufacturing facilities with dusty environments.
- Installations where continuous fan operation is unnecessary.

Best Applications

- Automatically cooling PLCs and industrial control equipment.
- Maintaining operating temperatures for network switches and communications equipment.
- Ventilating filtered enclosures without continuous fan operation.
- Reducing heat buildup in unattended equipment cabinets.
- Retrofitting existing enclosures with intelligent cooling.

Tags: **thermostat fan kit, thermostat-controlled fan kit, enclosure cooling fan, temperature-controlled fan**

Data subject to change without notice.