

Upblast Commercial Kitchen Exhaust Fans

Restaurant Belt Driven



XF-B/VCR

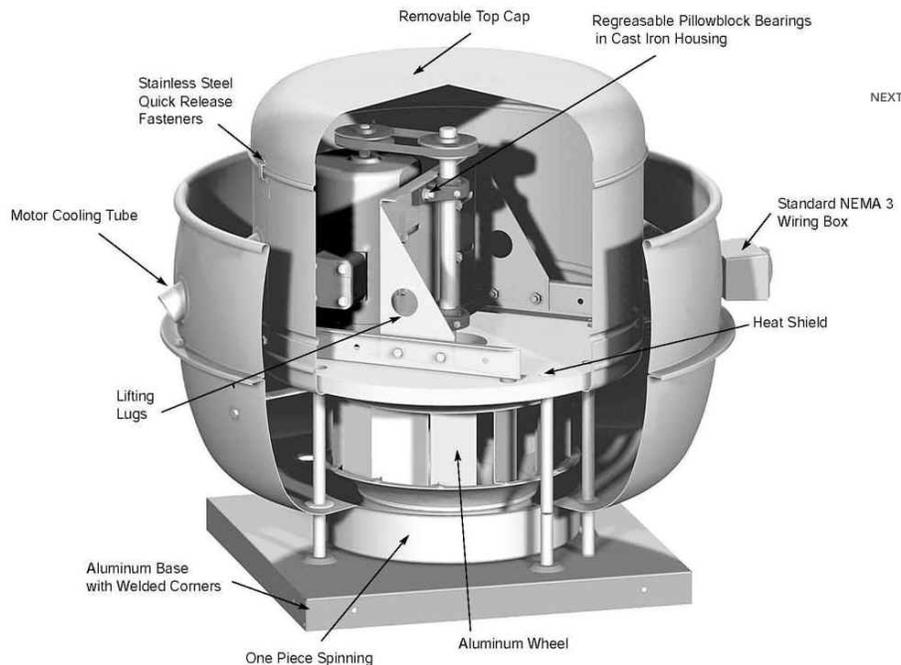
Commercial Kitchen Exhaust Fan Build in
Accordance with the NFPA-96, UL Grease
Construction, UL listed, CSA Certified

Roof Mounted Fans:

COOK Restaurant Exhaust Ventilator provides maximum performance and durability in kitchen hood exhaust applications. VCR unit top cap assembly is designed to provide weather protection for the motor and drive components while maintaining easy tool free access for inspection and maintenance. Standard lifting lugs, located under the top cap, provide for safe, fast and efficient lifting of the unit to a rooftop. One piece fan base, which includes a high-efficiency inlet venturi and continuously welded curb cap

corners, insures weathertight conditions. One piece spun aluminum leak-free baffle is designed to provide smooth, turbulent-free airflow. Wheels are centrifugal type featuring non-overloading, backward-inclined blades and a tapered inlet shroud. Optional Wall Mounting Flange is available up to size 245. Accurate performance is assured through compliance with the AMCA Certified Ratings Program. All units are licensed to bear the AMCA Certified Ratings Seal for Air and Sound Performance

Exhaust Fan Explode View



- VCR available in 6 direct drive sizes and 17 belt drive sizes. Capacities range from 400 to 28,800 CFM, with static pressures from 0 to 1-1/2 inches.
- VCR-HP available in 4 direct drive sizes and 11 belt drive high pressure sizes. Capacities range from 700 to 19,200 CFM, with static pressures from 1/4 to 2-1/2 inches.
- VCR-XP available in 3 direct drive sizes and 10 belt drive extended pressure sizes.

Capacities range from 800 to 11,000 CFM, with static pressures from 1 to 4-1/2 inches.

Wiring:

Factory wiring provides great savings in installation time and cost. All motors are factory wired to standard disconnect located on the outside fan housing. The motors are available in 120V/1/60, 230V/1/60, 208V/3/60, 575V/3/60, or 460V/3/60. The fan and motor assembly is CSA certified and UL list.

SPECIFICATION: Description: XF-B Fan shall be a spun aluminum, roof mounted, direct driven, upblast centrifugal exhaust ventilator.

Certifications: Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 762) and UL listed for Canada (Power Ventilator for Restaurant Exhaust Appliances). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

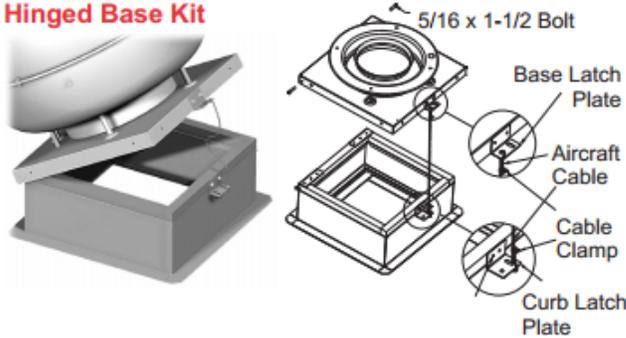
Construction: Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have a one piece inlet spinning and continuously welded curb cap corners for maximum leak protection. The wind-band shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An external wiring

compartment with integral conduit chase shall be provided into the motor compartment to facilitate wiring connections. The motor shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM and static pressure.

Unit shall be shipped in ISTA Certified Transit Tested Packaging. Wheel: Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency.

Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans. Motor: Motor shall be heavy duty type with permanently lubricated sealed bearings and furnished at the specified voltage, phase and enclosure.

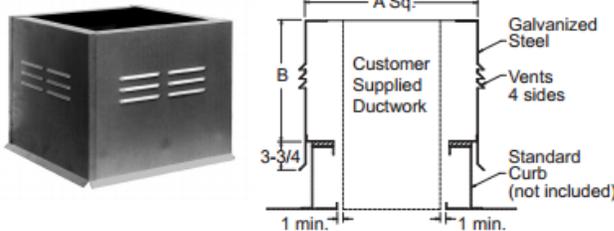
Hinged Base Kit



The hinged base kit is a field installed option which provides a lockable, hinged connection between the fan and curb.

This allows easy access to the wheel and inlet of the fan as well as the interior ductwork. The kit includes two hinge plates, two latch plates, hinge bolts, aircraft cable and clamps. Available on sizes 100 through 300, consult factory on larger sizes

Vented Extension

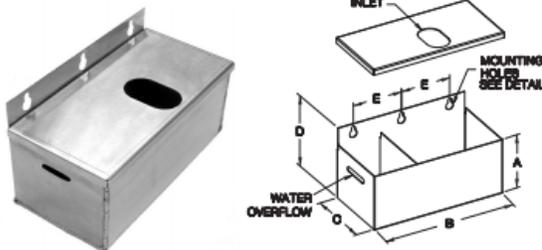


Unit Size	Cat. No.	A Sq.	B
100, 101	VE-17	17	20
120, 135	VE-19	19	16
150, 165	VE-23	23	16
180, 195, 210, 225, 245	VE-29	29	16
270, 300	VE-35	35	16
330, 365	VE-41	41	16
402	VE-47	47	16
445, 490	VE-53	53	16

All dimensions in inches. Roof opening size for curbs supplied by LOREN COOK COMPANY only.

The vented extension, constructed of galvanized steel, is used to increase the discharge height of the fan. Vents in the extension allow the interior ductwork to dissipate heat.

Grease Trough



A	B	C	D	E
5	12	6-1/16	6-1/2	4-1/2

All dimensions in inches.

A grease trough provides for collection of grease from a VCR unit. The lid is removable for cleaning. The grease trough is shipped loose for field mounting. To provide for more thorough periodic cleaning, the grease trough should be mounted to the unit for easy removal.