

# RESTAURANT VENTILATION

Canarm's industry leading exhaust and makeup air fans will keep your kitchen smoke and odour free while removing residual heat.

Cooking vapours are grease laden and need to be exhausted so your commercial kitchen is in compliance with building codes and NFPA 96. A complete restaurant ventilation system includes an exhaust hood, exhaust fan and makeup air system. These components work together to keep your kitchen smoke and grease free.

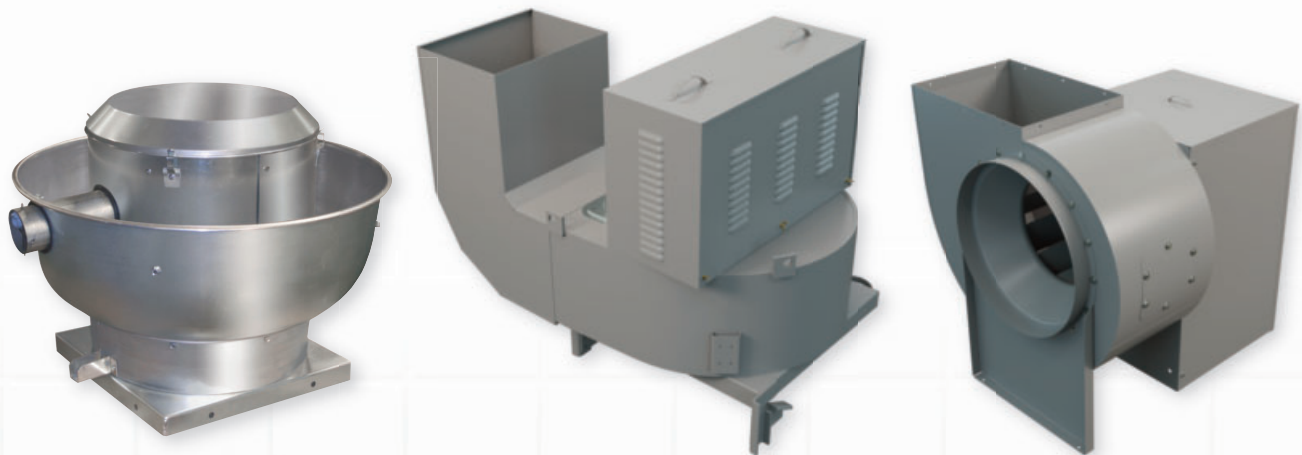
Canarm offers BI-RM, ALX-UB/UD and HRE fans series that meet the UL705 standard for removing grease-laden air. Additional cost effective options for makeup air and exhaust ventilation are also available through Canarm.

## WHAT IS UL705 SUPPLEMENT SC - POWER VENTILATOR FOR RESTAURANT EXHAUST APPLIANCES?

Power ventilators for restaurant exhaust appliances covered by these requirements are intended for installation in accordance with the Standard of the National Fire Protection Association for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment, NFPA 96.

Power ventilators for restaurant appliances shall comply with the Standard for Power Ventilators, UL 705 - Power Ventilator for Restaurant Exhaust Appliances, modified in that wiring system shall not be located in the path of travel of exhaust products.

Visit [www.canarm.com/restaurant](http://www.canarm.com/restaurant) to learn more about our quality products for commercial kitchen ventilation.



[www.canarm.com](http://www.canarm.com)



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member

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# CANARM CAFÉ - RESTAURANT VENTILATION

Canarm's industry leading exhaust and makeup air fans will keep your kitchen smoke and odour free while removing residual heat. Cooking vapours are grease laden and need to be exhausted so your commercial kitchen is in compliance with building codes and NFPA 96. A complete restaurant ventilation system includes an exhaust hood, exhaust fan and makeup air system. These components work together to keep your kitchen smoke and grease free.

Canarm offers BI-RM, ALX-UB/UD and HRE fans series that meet the UL 705 Supplement SC - Power Ventilator for Restaurant Exhaust Appliances (formerly UL762) standard for removing grease-laden air. Additional cost effective options for makeup air and exhaust ventilation are also available through Canarm.

Canarm also offers air curtains and a complete range of lighting - making it your One Stop Shop for all your restaurant & kitchen needs!

- |  |                                     |
|--|-------------------------------------|
| 1. Air supply                          | 8. Inline duct blower               |
| 2. Spun aluminum exhauster – upblast   | 9. Air curtain                      |
| 3. Spun aluminum exhauster – downblast | 10. Controls                        |
| 4. Utility blower                      | 11. Roof cap                        |
| 5. Wall exhaust fan                    | 12. LED and fluorescent work lights |
| 6. Ceiling exhauster                   | 13. Indoor decorative lighting      |
| 7. Ceiling fan                         | 14. Outdoor lighting                |



EXHAUST (NFPA 96 COMPLIANT)



**ALX-UD & ALX-UD-EC - Up to 4300 CFM**  
**ALX-UB - Up to 8600 CFM**

## ALX-UD & ALX-UD-EC SERIES

Upblast Direct Drive Spun Aluminum Exhausters

### FEATURES

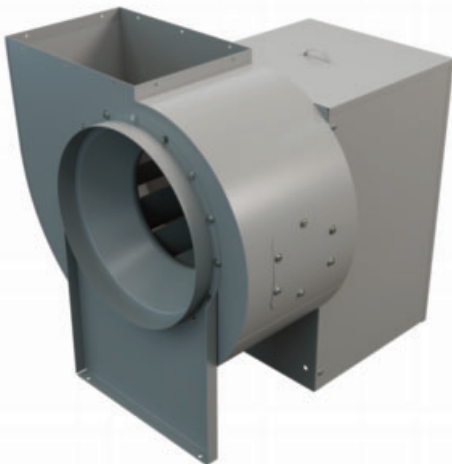
- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC motors
- Variable speed PSC motors available on ALX 090/105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access

## ALX-UB SERIES

Upblast Belt Drive Spun Aluminum Exhausters

### FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive.
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" (max 2HP) can be wall mounted.
- Quick release latches for easy motor access.



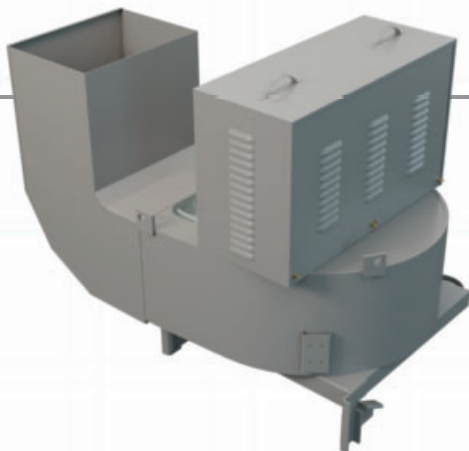
**Up to 27,000 CFM**

## BI-RM SERIES

Belt Drive Utility Blowers

### FEATURES

- Complete range of sizes from 10" to 36".
- Full AMCA Class 1 Operation.
- Non-overloading backward inclined (BI) welded wheels.
- Aluminum wheel - (AMCA type B classification for spark resistant construction) - available as an option.
- Aluminum wheels only on BI-RM-30 to BI-RM-36.
- Discharge position can be field rotated to any of 8 discharge positions.
- Counter clock wise rotation is standard. Clock wise available.
- Outlet flanges on models BI-24 to BI-36.
- Temperature Ratings - without a heat slinger 250° F with a heat slinger, steel wheel 400° F, aluminum wheel 300° F.
- Motor access from 3 sides.
- Sloped motor base for ease of motor installation.
- Vented motor and drive compartment cover, with handles, for safety & weather protection.
- 16 gauge or heavier blower housing.
- Heavy duty pillow block ball bearings.
- UL 705 Supplement SC - Power Ventilator for Restaurant Exhaust Appliances Listed for removal of cooking vapours.
- Meets NFPA 96 guidelines.
- Upblast discharge directs exhaust away from roof.
- Integral handles for single person removal of motor and drive compartment cover.
- Continuously welded 16 gauge or heavier blower housing.
- Bolted clean out door.
- 2" drain for easy removal of cleaning solutions.
- Complete range of sizes from 10" to 36".
- Vinyl shaft seal.



**Up to 10,000 CFM**

## HRE SERIES

Horizontal Restaurant Exhausters

### FEATURES

- UL705 Supplement SC Listed for the removal of cooking vapors
- Meets NFPA-96 Installation guidelines
- Convenient hinged curb mounting
- Clean-out access door
- Fully welded, 16 gauge or heavier blower housing c/w shaft seal to eliminate grease leakage
- 2 inch drain connection
- Pillow block ball bearings
- Upblast discharge directs exhaust away from roof
- Heavy duty, backward inclined non-overloading wheel

## ALX-DD & ALX-DD-EC SERIES

Downblast Direct Drive Spun Aluminum Exhausters

### FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Available with PSC or EC Motors
- Variable speed PSC Motors available on ALX 090/105/120/135
- All motors are 1 Phase 120/240V operation and can be operated at 50 or 60 Hz.
- All units can be wall mounted.
- Quick release latches for easy motor access on ALX135 – ALX165.

## ALX-DB SERIES

Downblast Belt Drive Spun Aluminum Exhausters

### FEATURES

- Spun aluminum housing will not rust, chip or peel.
- Aluminum backward inclined wheel is non-overloading.
- Belt drive
- Available with a variety of field or factory installed 1 phase & 3 phase motors.
- Units up to 24" (max 2HP) can be wall mounted.
- Quick release latches for easy motor access.
- Standard bird screen.



CROSS SECTION SHOWN



TYPICAL INSTALL FOR  
RESTAURANT EXHAUST  
AND FRESH AIR SUPPLY  
ON ONE CURB.



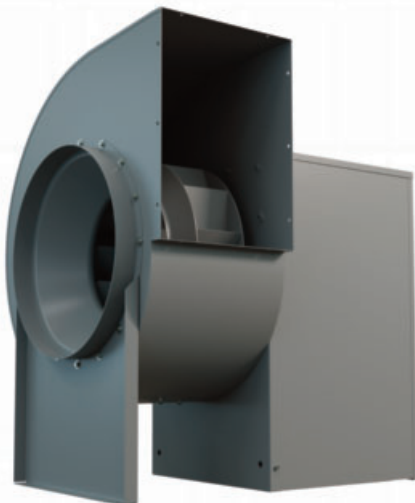
EASY ACCESS FOR  
MAINTENANCE AND  
CLEANING

## BI SERIES

Belt Drive Utility Blowers

### FEATURES

- Complete range of sizes from 10" to 36".
- Full AMCA Class 1 Operation.
- Non-overloading backward inclined (BI) welded wheels.
- Aluminum wheel - (AMCA type B classification for spark resistant construction) - available as an option.
- Aluminum wheels only on BI-30 to BI-36.
- Discharge position can be field rotated to any of 8 discharge positions.
- Counter clock wise rotation is standard. Clock wise available.
- Outlet flanges on models BI-24 to BI-36.
- Temperature Ratings - without a heat slinger 250° F with a heat slinger, steel wheel 400° F, aluminum wheel 300° F.
- Motor access from 3 sides.
- Sloped motor base for ease of motor installation.
- Vented motor and drive compartment cover, with handles, for safety & weather protection.
- 16 gauge or heavier blower housing.
- Heavy duty pillow block ball bearings.



Up to 27,000 CFM



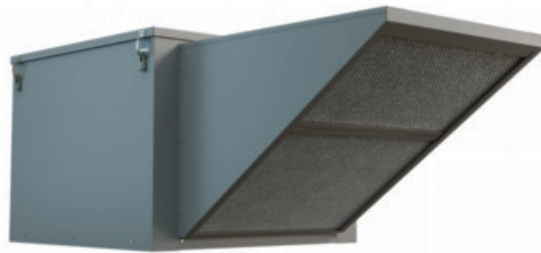
Up to 5200 CFM

## FEATURES

- Flexible forward curved belt drive blowers operate at low speed and low noise levels.
- Galvanized steel housing.
- Heavy duty ball bearings suitable for -65° to +250° F.
- Weather proof cabinet designed for outdoor roof mounting.
- Filters designed with large surface area for efficient filtration.
- Washable aluminum mesh filter are located in the intake hood and are accessible through the hood end cap for ease of service.
- Easy on-site addition of customer supplied air supply duct extension between the intake hood and unit provides additional separation where necessary.

## SIG SERIES

Side Intake Filtered Fresh Air Supply Units



Up to 12,500 CFM

## FEATURES

- Easy on-site addition of customer supplied air supply duct extension between the intake hood and unit provides additional separation where necessary.
- Filters designed with large surface area for efficient filtration.
- Weather proof cabinet designed for outdoor roof mounting.
- Flexible forward curved belt drive blowers operate at low speed and low noise levels.
- Heavy duty ball bearings suitable for -65° to +250° F.
- Washable aluminum mesh filter are located in the intake hood (except SIS-20) and are accessible through the hood end cap for ease of service.
- SIS-20 has a drawer type filter section (not illustrated). The SIS-20 intake hood has a screened inlet.

## SIS SERIES

Side Intake Filtered Fresh Air Supply Units



Up to 8500 CFM

## FEATURES

- Heavy duty ball bearings suitable for -65° to +250° F.
- Latched top cover provides convenient service access to 4 filters, motor and drive.
- Flexible forward curved belt drive blowers operate at low speed and noise levels.
- Blower is rubber mounted for quiet operation.
- Four permanent, washable, aluminum filters have large surface area for efficient filtration.
- Outside air flows over the motor to increase motor life.
- Top insulated with 1/2" fiberglass flexible duct liner.
- Adaptable to heating or cooling coils for applications requiring tempered air.
- Motor mounting hardware supplied with all units.

## 700 SERIES

Filtered Fresh Air Supply Units



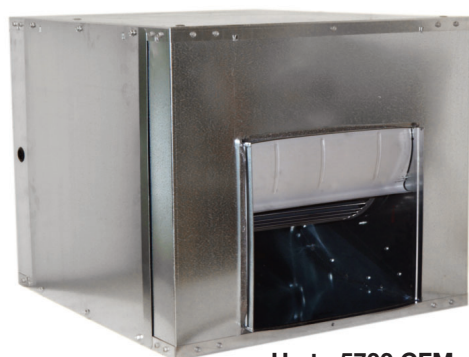
Up to 9600 CFM

## 200 SERIES

### Forward Curved Inline Duct Blowers

#### FEATURES

- As part of an HVAC system Delhi Duct Blowers will not “surge”, “hunt”, or “stall”.
- Optional variable pitch motor pulley permits field adjustment (typically + or - 15%) to match air delivery needs.
- Our twins (two duct blowers on a common shaft) is a wide but not tall solution for situations where vertical space is limited.
- Quiet forward curved blowers operate at ½ the rpm of other inline solutions.
- An outdoor series, 9200, is available.



Up to 5700 CFM

## IDB SERIES

### Forward Curved Inline Duct Blowers

#### FEATURES

- **Wheel Diameters:** 7” through 15”
- **CFM:** Approximately 500 to 5700 CFM in a single blower.
- Constructed from galvanized steel for durability.
- Forward Curved blowers operate at low RPM for low noise levels.
- Heavy duty ball bearings suitable for -65° F to +250° F.
- Keywayed shafts both ends for clockwise or counter clockwise rotation.
- Saddle type motor mounting platform provides extended belt tension adjustment range on all IDB models.
- IDB-X models offer external mounted motors & drives for easy access, however they are not ETL or AMCA certified at this time.



Up to 14,500 CFM

## DSQ-B SERIES

### Backward Inclined Belt Drive Square Inline Blowers

#### FEATURES

- Available in 10” to 27” sizes.
- Heavy duty, non-overloading backward inclined wheel.
- Pivoted motor mounting base for convenient belt tension adjustment.
- Air handler pillow block bearings mounted on rigid angle iron frame.
- Leak proof access panels with gasket.
- Angle iron mounting lugs can be relocated for base or suspension mounting or positioning motor on the top, side or bottom of blower.
- For side discharge simply re-locate the side panel to the normal discharge opening.
- Motor cover supplied.
- Junction box.

Currently only available in Canada



Platinum member



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