

# CENTRIFUGAL ROOF & WALL EXHAUSTERS



## OVERVIEW



Model BCRW  
Office Building Exhaust



Model BCRUSH  
Emergency Smoke Exhaust



Model DCRD  
School - General Building Exhaust



Model BCRU  
Retail Store - General Building Exhaust

### CENTRIFUGAL ROOF & WALL EXHAUSTERS

Centrifugal Roof and Wall Exhausters are available in direct and belt driven models, featuring backward inclined, non-overloading centrifugal wheels for maximum efficiency and quiet operation. A variety of configurations are available for the exhaust of relatively clean air and grease-laden air.

### TYPICAL INDUSTRIES

Agriculture, Air Pollution Control, Automotive, Boilers, Brick, Car Wash, Commercial Plan & Spec, Composting, Ethanol, Food & Beverage, Foundry, General Manufacturing, Glass, Green/LEED, HVAC, Institutional & Hospitality, Metal & Minerals, Microchip, Mining, Nuclear, OEM, Petrochemical, Pharmaceutical, Power Generation, Pulp & Paper, Recycling, Textile, Transportation

### COMMON ACCESSORIES

Backdraft Dampers, Roof Curbs, Birdscreens, Insect Screens, Curb Hinges, Retaining Chains, Security Hasps, Metal Nameplates, Stainless Steel Shafts, Automatic Belt Tensioners, AMCA Spark B Construction, Stainless Steel Hardware, Tie Downs, Speed Controllers, 2-Speed Switches, Firestats, Disconnect Switches, Special Coatings

### CERTIFICATIONS

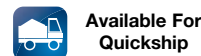
AMCA Sound/Air and FEG, UL 705 Listed for Electrical, UL 762 Listed for Grease Laden Air, UL Listed for Smoke Control Systems, OSHPD Seismic Preapproval per OSP-0395-10, Miami-Dade County Hurricane Rating per NOA No. 12-0914.12

Fan & Blower  
**Twin City**

## DCRD

CENTRIFUGAL ROOF EXHAUSTER, DOWNBLAST, DIRECT DRIVE

- > 8 to 19.25 inches (205 mm to 490 mm) wheel diameters
- > Airflow to 5,020 CFM (8,500 m<sup>3</sup>/hour)
- > Static pressure to 1 inch w.g. (250 Pa)
- > AMCA licensed for Sound and Air
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Generator Room Ventilation, Jet Bridge Exhaust, Restroom Exhaust



CATALOG 4050

## BCRD

CENTRIFUGAL ROOF EXHAUSTER, DOWNBLAST, BELT DRIVEN

- > 8.5 to 49.21 inches (220 mm to 1,250 mm) wheel diameters
- > Airflow to 28,700 CFM (48,800 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Generator Room Ventilation, Jet Bridge Exhaust, Restroom Exhaust



CATALOG 4050

## BCRD-E

ENDUREX™ POLYMERIC HOUSING CENTRIFUGAL ROOF EXHAUSTER, DOWNBLAST, BELT DRIVEN

- > 8.5 to 27.95 inches (215 mm to 710 mm) wheel diameters
- > Airflow to 8,700 CFM (14,800 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Generator Room Ventilation, Jet Bridge Exhaust, Restroom Exhaust



CATALOG 4050

## DCRU

CENTRIFUGAL ROOF EXHAUSTER, UPBLAST, DIRECT DRIVE

- > 8.38 to 18.25 inches (215 mm to 465 mm) wheel diameters
- > Airflow to 3,865 CFM (6,600 m<sup>3</sup>/hour)
- > Static pressure to 1.5 inches w.g. (370 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** General HVAC, General Rooftop Exhaust, Generator Room Ventilation, Jet Bridge Exhaust, Restroom Exhaust



CATALOG 4105

# CENTRIFUGAL ROOF & WALL EXHAUSTERS



CATALOG 4105

## DCRUR

CENTRIFUGAL KITCHEN ROOF EXHAUSTER, UPBLAST, DIRECT DRIVE  
UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 8.38 to 18.25 inches (215 mm to 465 mm) wheel diameters
- > Airflow to 3,865 CFM (6,600 m<sup>3</sup>/hour)
- > Static pressure to 1.5 inches w.g. (370 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



CATALOG 4105

## BCRU

CENTRIFUGAL ROOF EXHAUSTER, UPBLAST, BELT DRIVEN

- > 12.25 to 49.21 inches (315 mm to 1,250 mm) wheel diameters
- > Airflow to 29,100 CFM (49,400 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** General HVAC, General Rooftop Exhaust, Generator Room Ventilation, Jet Bridge Exhaust, Restroom Exhaust



CATALOG 4105

## BCRUR

CENTRIFUGAL KITCHEN ROOF EXHAUSTER, UPBLAST, BELT DRIVEN  
UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 12.25 to 39.37 inches (315 mm to 1,000 mm) wheel diameters
- > Airflow to 20,700 CFM (35,200 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



CATALOG 4105

## BCRUSH

CENTRIFUGAL ROOF EXHAUSTER, UPBLAST, BELT DRIVEN  
UL LISTED FOR SMOKE CONTROL SYSTEMS

- > 12.25 to 49.21 inches (315 mm to 1,250 mm) wheel diameters
- > Airflow to 29,100 CFM (49,400 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL listed for Smoke Control Systems
- > **Typical Applications:** Elevator Shaft Exhaust/Pressurization, Emergency Smoke Exhaust, Stairwell Pressurization



## DCRW

CENTRIFUGAL WALL EXHAUSTER, DIRECT DRIVE

- > 8.38 to 18.25 inches (215 mm to 465 mm) wheel diameters
- > Airflow to 3,865 CFM (6,600 m<sup>3</sup>/hour)
- > Static pressure to 1.5 inches w.g. (370 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation, Restroom Exhaust



CATALOG 4105

## DCRWR

CENTRIFUGAL WALL KITCHEN EXHAUSTER, DIRECT DRIVE  
UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 8.38 to 18.25 inches (215 mm to 465 mm) wheel diameters
- > Airflow to 3,865 CFM (6,600 m<sup>3</sup>/hour)
- > Static pressure to 1.5 inches w.g. (370 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



CATALOG 4105

## BCRW

CENTRIFUGAL WALL EXHAUSTER, BELT DRIVEN

- > 12.25 to 31.5 inches (315 mm to 800 mm) wheel diameters
- > Airflow to 15,100 CFM (25,700 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation, Restroom Exhaust



CATALOG 4105

## BCRWR

CENTRIFUGAL WALL KITCHEN EXHAUSTER, BELT DRIVEN  
UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 12.25 to 31.5 inches (315 mm to 800 mm) wheel diameters
- > Airflow to 15,100 CFM (25,700 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



CATALOG 4105

# CENTRIFUGAL ROOF & WALL EXHAUSTERS



CATALOG 4135

## DCLP

LOUVERED CENTRIFUGAL ROOF EXHAUSTERS, DIRECT DRIVE

- > 8 to 12.38 inches (205 mm to 315 mm) wheel diameters
- > Airflow to 2,000 CFM (3,400 m<sup>3</sup>/hour)
- > Static pressure to 1 inch w.g. (250 Pa)
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Restroom Exhaust, Generator Room Ventilation, Jet Bridge Exhaust

## BCLP

LOUVERED CENTRIFUGAL ROOF EXHAUSTERS, BELT DRIVEN

- > 8.5 to 55.12 inches (215 mm to 1,400 mm) wheel diameters
- > Airflow to 36,000 CFM (61,200 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Restroom Exhaust, Generator Room Ventilation, Jet Bridge Exhaust



CATALOG 4135

## DCLH

HOODED CENTRIFUGAL ROOF EXHAUSTERS, DIRECT DRIVE

- > 8 to 12.38 inches (205 mm to 315 mm) wheel diameters
- > Airflow to 2,000 CFM (3,400 m<sup>3</sup>/hour)
- > Static pressure to 1 inch w.g. (250 Pa)
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Restroom Exhaust, Generator Room Ventilation, Jet Bridge Exhaust



CATALOG 4135

## BCLH

HOODED CENTRIFUGAL ROOF EXHAUSTERS, BELT DRIVEN

- > 8.5 to 55.12 inches (215 mm to 1,400 mm) wheel diameters
- > Airflow to 36,000 CFM (61,200 m<sup>3</sup>/hour)
- > Static pressure to 3.25 inches w.g. (810 Pa)
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, General Rooftop Exhaust, Restroom Exhaust, Generator Room Ventilation, Jet Bridge Exhaust



CATALOG 4135

## BHRE

HINGED RESTAURANT EXHAUST FAN, BELT DRIVEN  
UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 10.5 to 24.5 inches (270 mm to 625 mm) wheel diameters
- > Airflow to 9,000 CFM (15,300 m<sup>3</sup>/hour)
- > Static pressure to 5 inches w.g. (1,240 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 and 762 listing available
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



CATALOG 610

## CANTED ROOF CURBS

PREFABRICATED ROOF CURBS

- > Constructed of 18-gauge galvanized steel with continuous welded seams
- > Large 3" built-in 45° cant to accommodate roofing material to top of curb. Cant is beveled at corners for better support of roofing material
- > Wood nailer (1½") secured to top ledge
- > Lined with 1½" fiberglass fire-resistant, sound-absorbing insulation
- > Damper shelf
- > **Options:** Aluminum (16-gauge) construction, Burglar security bars, Metal liner (galvanized or aluminum), Special heights up to 24", Single or double pitched curbs for sloping roofs



CATALOG 4910

## SELF FLASHING ROOF CURBS

PREFABRICATED ROOF CURBS

- > Constructed of 18-gauge galvanized steel with continuous welded seams
- > Wide base plate (flashing) to insure watertight bond to roof
- > Top ledge covered with 3/16" polystyrene gasket for weather seal and to reduce metal-to-metal conducted noise
- > Lined with 1½" fiberglass fire-resistant, sound-absorbing insulation
- > Damper shelf
- > **Options:** Aluminum (16-gauge) construction, Burglar security bars, Metal liner (galvanized or aluminum), Special heights up to 24", Wood nailer (1½") secured to top ledge in lieu of polystyrene gasket, Single or double pitched curbs for sloping roofs

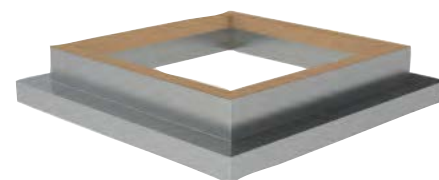


CATALOG 4910

## CURB ADAPTERS

PREFABRICATED ROOF CURBS

- > Constructed of heavy-gauge galvanized steel with continuous welded seams
- > Top ledge covered with 3/16" polystyrene gasket to reduce metal-to-metal conducted noise and act as a weather seal



CATALOG 4910

# SALES CONTACT



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