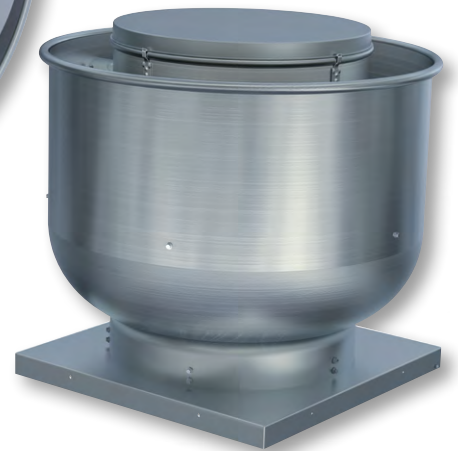
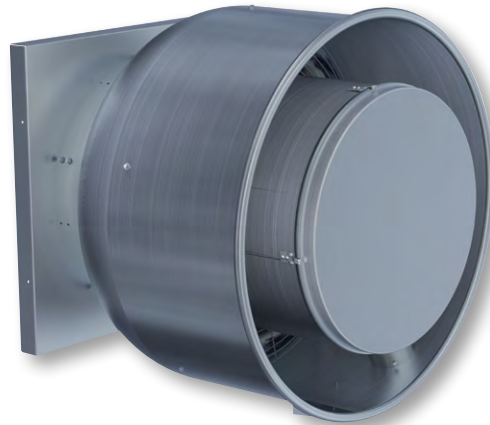




INDUSTRIAL PROCESS AND
COMMERCIAL VENTILATION SYSTEMS

UPBLAST ROOF, WALL & KITCHEN EXHAUSTERS

DCRU | DCRUR | DCRW | DCRWR | BCRU | BCRUR | BCRW | BCRWR | BCRUSH



ROOF & WALL EXHAUSTERS



Overview

Roof & Wall Exhausters



Model DCRU
With GridSmart™ EC Motor

Now Available with



see page 10

Twin City Fan & Blower's line of quiet, efficient, and economical spun aluminum centrifugal power roof and wall exhausters are designed to offer value and long-lasting service in a wide variety of commercial and industrial ventilating applications.

Typical Applications Include

Agriculture, Automotive, Boilers, Brick, Car Wash, Commercial Plan & Spec, Composting, Ethanol, Food & Beverage, Foundry, General Manufacturing, Glass, HVAC, Institutional & Hospitality, Metal & Minerals, Microchip, OEM, Pharmaceutical, Power Generation, Recycling, Textile, Transportation

Configurations

Upblast and Wall Mounted, Direct Drive and Belt Driven Configurations

Wheel Types

Backward Inclined Centrifugal

Optional Construction

Special Coatings, Spark Resistant, UL 705, UL 762, UL Smoke & Heat

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



DCRU, DCRUR, DCRW, DCRWR, BCRU, BCRUR, BCRW, BCRWR and BCRUSH models are cULus 705 listed, for electrical, File No. E158680.



DCRUR, DCRWR, BCRUR, and BCRWR models are cULus 762 listed, for the exhaust of grease-laden air, File No. E158680.

Model BCRUSH is UL listed for Smoke Control Systems, File No. E158680, 500°F for 4 hours and 1000°F for 15 minutes.



Twin City Fan & Blower certifies that the DCRU, DCRUR, DCRW, DCRWR, BCRU, BCRUR, BCRW, BCRWR and BCRUSH Series shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Fan Efficiency Grade (FEG) certification applies to the models and sizes shown in the table on page 13.



For complete product performance, drawings and available accessories, download our Fan Selector program at tcf.com.

Overview

Models

General Exhaust

DCRU (Direct Drive)

8.38" to 18.25" wheel diameters
Airflow to 3,865 CFM
Static pressure to 1.5" w.g.



BCRU (Belt Driven)

12.25" to 49.21" wheel diameters
Airflow to 29,100 CFM
Static pressure to 3.25" w.g.



DCRW (Direct Drive)

8.38" to 18.25" wheel diameters
Airflow to 3,865 CFM
Static pressure to 1.5" w.g.



BCRW (Belt Driven)

12.25" to 31.5" wheel diameters
Airflow to 15,100 CFM
Static pressure to 3.25" w.g.



General HVAC
Roof & Wall Exhaust

Kitchen & Restaurant Fans

DCRUR (Direct Drive)

8.38" to 18.25" wheel diameters
Airflow to 3,865 CFM
Static pressure to 1.5" w.g.



BCRUR (Belt Driven)

12.25" to 39.37" wheel diameters
Airflow to 20,700 CFM
Static pressure to 3.25" w.g.

DCRWR (Direct Drive)

8.38" to 18.25" wheel diameters
Airflow to 3,865 CFM
Static pressure to 1.5" w.g.



BCRWR (Belt Driven)

12.25" to 31.5" wheel diameters
Airflow to 15,100 CFM
Static pressure to 3.25" w.g.

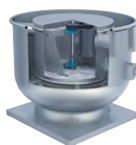


Restaurant Exhaust and
Smoke & Heat (Emergency Smoke Control)

Smoke & Heat Exhaust

BCRUSH (Belt Driven)

12.25" to 49.21" wheel diameters
Airflow to 29,100 CFM
Static pressure to 3.25" w.g.



Temperature Rating

500°F for 4 Hours
1000°F for 1 Hour



Upblast Roof Exhausters

Models DCRU & BCRU

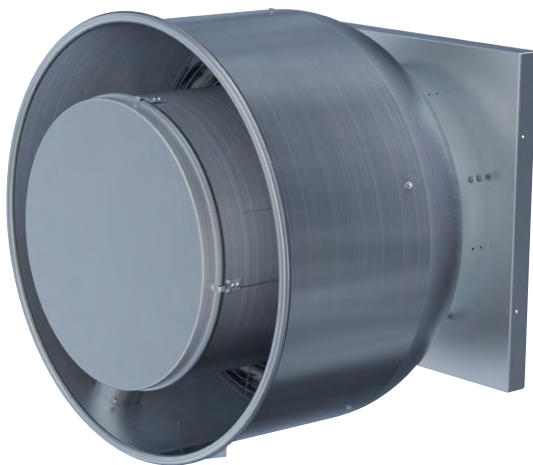
Models DCRU/BCRU are designed for roof mounted exhaust of clean air in applications where it is desirable to move the exhausted air up and away from the building, and where re-entry into the building supply air is possible.

Model DCRU (Direct Drive)

- > Available in 14 sizes from size 071 to 180
- > All sizes are speed controllable with ODP 115V motors
- > Available with EC Motor
- > Airflow to 3,865 CFM
- > Static pressure to 1.5" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed

Model BCRU (Belt Driven)

- > Available in 20 sizes from size 110 to 480, including seven high-pressure models
- > Airflow to 29,100 CFM
- > Static pressure to 3.25" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed



Wall Exhausters

Models DCRW & BCRW

Models DCRW/BCRW are designed for general exhaust of clean air in a wall-mounted, horizontal configuration. The wall-mounted fans are supplied with a heavy-duty 4" wall-mounting bracket. A 10" wall-mounting bracket is supplied when a gravity or motorized damper is utilized.

Model DCRW (Direct Drive)

- > Available in 14 sizes from size 071 to 180
- > All sizes are speed controllable with ODP 115V motors
- > Available with EC Motor
- > Airflow to 3,865 CFM
- > Static pressure to 1.5" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed

Model BCRW (Belt Driven)

- > Available in 16 sizes from size 110 to 300, including six high-pressure models
- > Airflow to 15,100 CFM
- > Static pressure to 3.25" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed

Kitchen Exhaust

Models DCRUR & BCRUR

Models DCRUR/BCRUR are similar to the DCRU/BCRU, but are specifically designed for exhausting grease-laden air from kitchens, restaurants, cooking and dishwasher hoods. Twin City Fan & Blower also offers grease collection systems for kitchen and restaurant use.

Model DCRUR (Direct Drive)

- > Available in 14 sizes from size 071 to 180
- > All sizes are speed controllable with ODP 115V motors
- > Available with EC Motor
- > Airflow to 3,865 CFM
- > Static pressure to 1.5" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air

Model BCRUR (Belt Driven)

- > Available in 18 sizes from size 110 to 360, including seven high-pressure models
- > Airflow to 20,700 CFM
- > Static pressure to 3.25" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air



Upblast Roof Exhausters

Models DCRWR & BCRWR

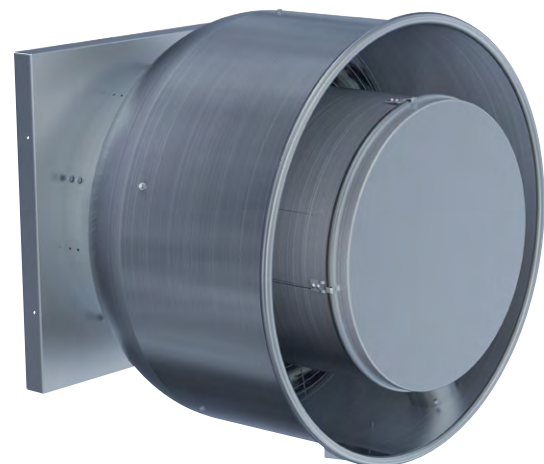
Models DCRWR/BCRWR are designed for general exhaust of clean air in a wall-mounted, horizontal configuration.

Model DCRWR (Direct Drive)

- > Available in 14 sizes from size 071 to 180
- > All sizes are speed controllable with ODP 115V motors
- > Available with EC Motor
- > Airflow to 3,865 CFM
- > Static pressure to 1.5" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 Listed

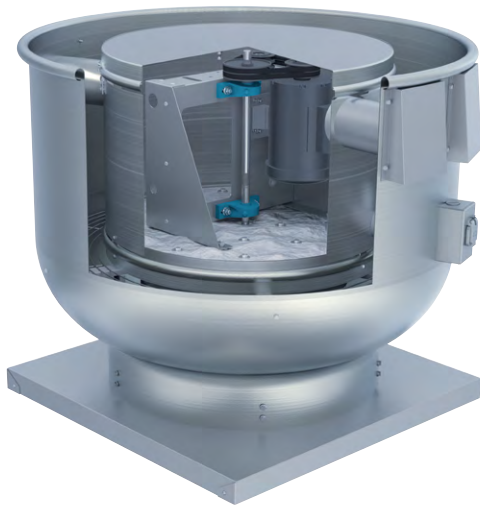
Model BCRWR (Belt Driven)

- > Available in 16 sizes from size 110 to 300, including six high-pressure models
- > Airflow to 15,100 CFM
- > Static pressure to 3.25" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 Listed



Wall Exhausters

Smoke & Heat Exhaust



Model BCRUSH (Belt Driven)

Model BCRUSH is specifically designed for smoke control applications where temperatures can reach 1000°F and is designed to remove smoke from buildings in the event of a fire. The BCRUSH is UL listed for Smoke Control Systems, 500°F (260°C) for 4 hours and 1000°F (537°C) for 15 minutes.

- > Available in 11 sizes from 110 to 480
- > Airflow to 29,100 CFM
- > Static pressure to 3.25" w.g.
- > AMCA Licensed for Sound, Air and Fan Efficiency Grade
- > UL listed for Smoke Control Systems

Unique Features

- > Steel Wheel – Provides rigidity when exposed to high temperature airstreams.
- > Multiple Cooling Tubes – Provide cooling by drawing outside air into the motor and drive compartment.
- > Insulation – Bottom of motor compartment and wire-way are insulated with ceramic insulation rated to 2000°F.
- > Dual Groove Drive – Oversized for added assurance.
- > Aluminum Nameplate – For future identification.



Upblast Roof Exhausters

INSTALLATIONS



General HVAC



Emergency Smoke Control



Kitchen/Restaurant Exhaust



Exploded View

Motor Cover Provides complete protection for the motor and drive assembly, while allowing quick access to these components without the need for tools.

Motor Housing Constructed from heavy-gauge aluminum for durability and appearance. Includes conduit tubing for routing electrical wiring through the outer shroud and into the motor compartment.

Motors ODP, TEFC and explosion proof, single and three phase motors are carefully matched to the fan load.

Vibration Isolation Motor and drive assembly is completely isolated from the fan supports by rubber isolators to reduce transmission of noise and vibration (all models except BCRUSH).

Drive (Belt Driven) Adjustable pitch V-belt drives with cast iron sheaves and heat resistant belts are selected at 150% of the driven motor horsepower. Drives on model BCRUSH are dual groove as standard.

Bearings (Belt Driven) Heavy-duty re-greaseable pillow block ball bearings are specifically designed for air handling applications to provide an average life (L-50) of 500,000 hours or more at maximum cataloged operating speeds.

Shaft (Belt Driven) Precision ground and polished with a first critical speed of at least 125% of the fan's maximum operating speed.

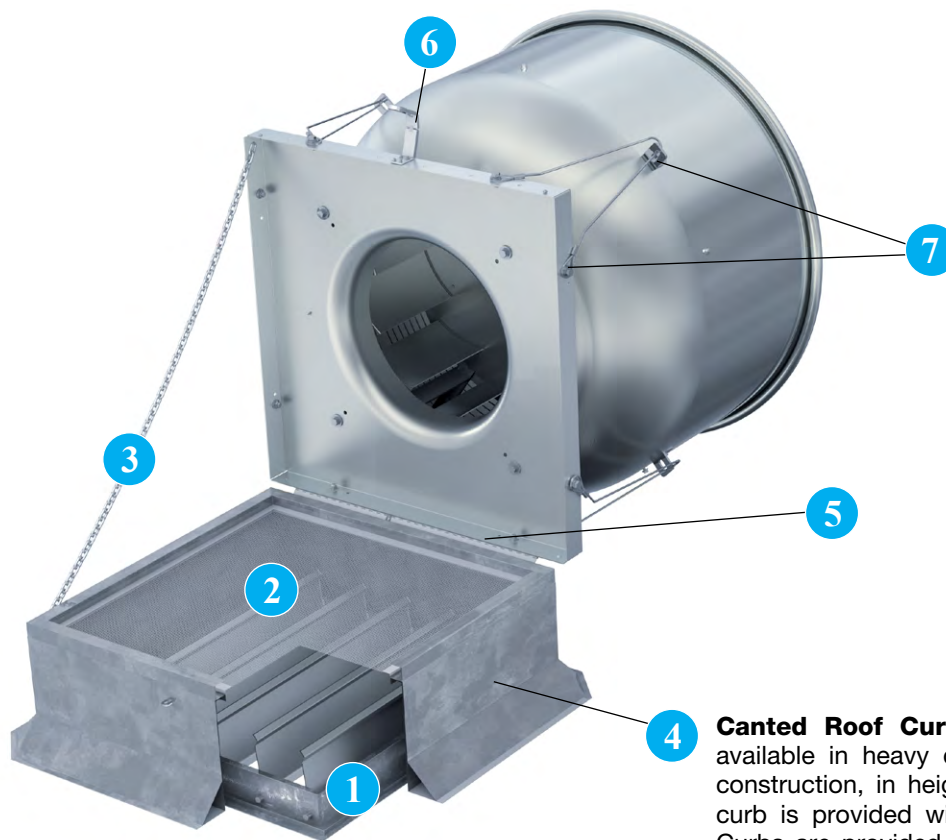
Galvanized Birdscreen Protects the wheel, inlet, and internal components from entry of birds. Optional on models BCRUR and DCRUR. Standard on 'WR' models.

Wheel Quiet and efficient non-overloading, heavy-gauge wheels with backwardly curved blades are precisely matched to a deep spun venturi. All wheels are statically and dynamically balanced to ensure smooth and quiet operation.

Fan Shroud Heavy-gauge spun aluminum with rolled bead edge provides rigidity. Motor cooling tubes are incorporated into the exterior of shroud to draw outside air into the motor and drive compartment.

Curb Cap One-piece curb cap/inlet venturi assembly provides protection from weather. Pre-punched mounting holes provide easy and accurate attachment to the roof curb.





1 Backdraft Damper (DCRU, BCRU) with automatic or motorized operation, feature a felt seal on the edge of the damper blades for quiet operation. Damper frames are constructed of 19-gauge galvanized steel and blades are constructed of 26-gauge aluminum.

Motorized dampers are recommended for low CFM applications to assure unrestricted airflow. Motorized dampers are available with 115, 208, 230, 460, 575 or 24 volt service. End switches are available. When a motorized damper option is selected a 12" (or greater) high roof curb is required.

(DCRW, BCRW) with automatic or motorized operation, feature a vinyl seal on the edge of the damper blades for quiet operation. Damper frames are constructed of 20-gauge galvanized steel and blades are constructed of 26-gauge aluminum.

Motorized dampers are available with 115, 208, 230, 460, or 575 volt service, and have end switches as standard.

2 Aluminum Insect Screen Provides protection from entry of insects into wheel, inlet and interior of building. Available for DCRU, DCRW, BCRU and BCRW fans only.

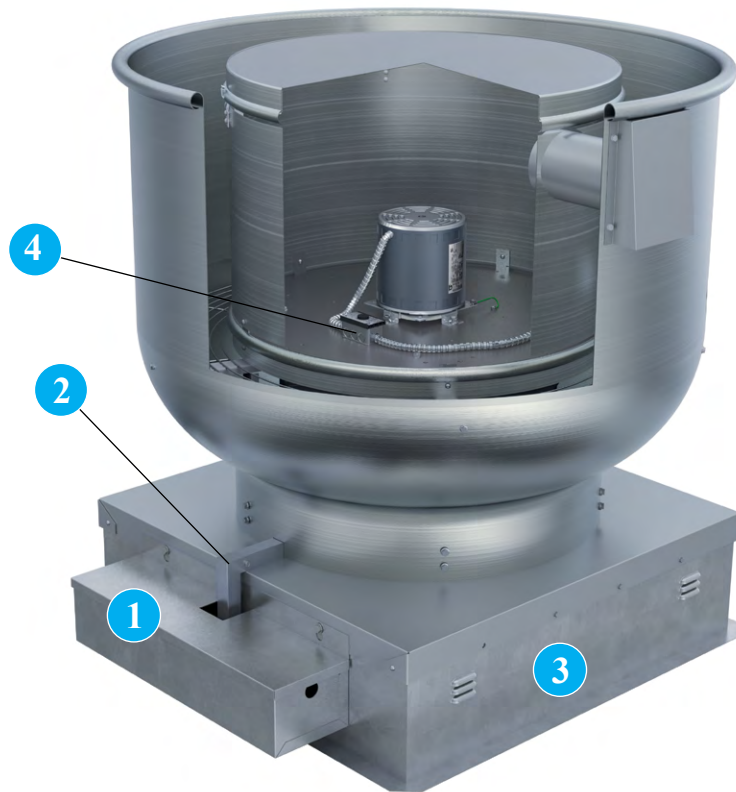
3 Retaining Chain is available in conjunction with the curb hinge arrangement to stabilize the unit and to prevent damage from occurring to the unit while servicing and cleaning.

4 Canted Roof Curb Prefabricated roof curbs are available in heavy duty galvanized steel or aluminum construction, in heights of 8", 12" or 18". The canted curb is provided with a factory installed wood nailer. Curbs are provided with 1.5" of insulation as standard and feature continuously welded seams for added rigidity and moisture protection. Prefabricated curbs are also available in raised cant, pitched and peak models. Refer to Catalog 4910 for complete details on roof curb options. Minimum 12" high curbs are recommended for use with motorized dampers.

5 Curb Hinge The curb hinge arrangement provides easy access to the exhaust fan, backdraft damper and duct for servicing and cleaning. The curb hinge is of the piano type, running the entire length of the fan's curb base. The curb hinge option ships loose and is designed for use with a standard canted curb only (1.5" less than fan base). This option cannot be used with self-flashing curbs. Available as an option on models DCRU, DCRUR, BCRU, BCRUR and BCRUSH.

6 Security Hasp is available in conjunction with the curb hinge arrangement to prevent removal of the unit from the roof curb and prevent entrance into the building through the roof's ductwork.

7 Tie-Down Brackets A quantity of four brackets are mounted to the fan shroud to allow the fan to be secured to the roof in areas where high winds are a concern. Guy wires are supplied and installed by others.



- 1 Grease Box** Removable, for disposal of collected grease. Available for DCRUR and BCRUR fans only.
- 2 Drain Connection (Downspout)** Removable, for disposal of collected grease. Available for DCRUR and BCRUR fans only.
- 3 Vented Roof Curbs** Self-flashing style curbs with ventilation louvers allow ambient air in to cool and dilute grease- or smoke-laden airstreams. Available for DCRUR, BCRUR and BCRUSH fans only.
- 4 Variable Speed Control** Variable speed control is an optional accessory on all DCRU, DCRUR, DCRW and DCRWR models with 115 volt, open type speed-controllable motors, to allow the adjustment of airflow for system balancing. Variable speed controllers are solid-state (Tri-ac) design and feature an RFI filter, minimum speed trim adjustment capability, and a built-in on/off line switch. The speed controller is designed to start the motor on high speed for better startup characteristics. Variable speed controls have the option of being shipped separately, factory installed, or field installed on the unit at a later date. Motor must be ODP 115V PSC or shaded pole type.

OTHER ACCESSORIES/OPTIONS:

- Special Coatings
- Straight-Sided Roof Curb (see page 12)
- 2-Speed Switch (Single Phase, 1 HP and below)
- Firestat (Single Phase)
- AMCA Spark B
- Performance Baffle
- Aluminum Bird Screen
- Miami Dade Construction
- Stainless Steel Hardware
- Stainless Steel Shaft
- NEMA 4 Disconnect Switch (see page 11)
- NEMA 3R Disconnect Switch (see page 11)



ELECTRONICALLY COMMUTATED MOTORS



Model DCRU
with GridSmart™ EC Motor



1HP & 2HP
GridSmart™ EC Motors



1/6HP to 1HP
GridSmart™ EC Motors

Twin City Fan & Blower offers its own line of custom engineered Electronically Commutated (EC) motors. Electronic commutation is the latest motor technology to be used in direct drive fans. Also known in the industry as Brush Free or Brushless DC, the EC motors utilize an electronic circuit board to control the functionality of the motor. The motor operates off of single phase AC power, which is converted to DC power within the motor's circuitry. TCF has motor options available for 115V, 208-230V or 277V single phase electrical power. The result is a highly efficient motor, even at part load, with an expanded speed control range and a variety of speed control options from which to choose. EC motors are available in ODP, TENV and TEFC enclosures.



Benefits

- Efficiencies up to 85%
- Constant efficiency as the motor speed is varied
- Up to 66% energy savings over traditional PSC motors
- Performance range comparable to a belt drive fan with reduced maintenance benefits of a direct drive fan
- 80% usable turndown range as compared with 40% maximum on PSC motors
- Soft start gives fans smooth, quiet start
- Lower operating temperatures result in longer life and reduces energy consumption
- Heavy-duty ball bearings are permanently lubricated
- Elimination of VFD results in lower initial cost

EC Motor Options

1/6HP to 1HP

- 1/6HP: 115V, single phase
- 1/4HP – 1HP: 115V, 208-230V, 277V, single phase
- ODP or TENV enclosure
- Motor mounted speed control dial as standard
- 0-10VDC control leads as standard
- Available with remote mounted speed control dial

1HP & 2HP

- 1HP: 115V, 208-230V, single phase
- 2HP: 208-230V, single phase
- TEFC enclosure (totally enclosed fan cooled)
- Available with motor mounted speed dial or 0-10VDC control lead

NEMA 1 Disconnect Switch

A NEMA 1 disconnect switch provides positive electrical shutoff during fan cleaning or maintenance of fan. DCRU, DCRW, BCRU and BCRW fans are provided with a NEMA 1 type disconnect switch in the motor compartment when ODP or TEFC motors are used.



NEMA 1 Disconnect Switch

NEMA 3R Disconnect Switch

DCRUR, DCRWR, BCRUR, BCRWR and BCRUSH fans are provided with a NEMA 3R rain-tight disconnect switch, externally mounted when ODP or TEFC motors are used. NEMA 3R, rain proof, disconnects are available shipped loose for field mounting and wiring or factory mounted and wired on models DCRU, DCRW, BCRU and BCRW.



NEMA 3R Disconnect Switch

NEMA 4 Disconnect Switch

A NEMA 4 disconnect switch (optional) is mounted externally and is water- and dust-tight. Switch is available shipped loose for field mounting and wiring or factory mounted and wired. NEMA 3R enclosure is also available.

NEMA 7/9 Disconnect Switch

NEMA 7/9 disconnect switches are provided as standard on fan packages with explosion proof motors. The NEMA 7/9 switch is designed for use with fans operating in hazardous environments. When explosion proof motors are specified, NEMA 7/9 disconnects will be shipped loose for field mounting and wiring. (Not shown.)

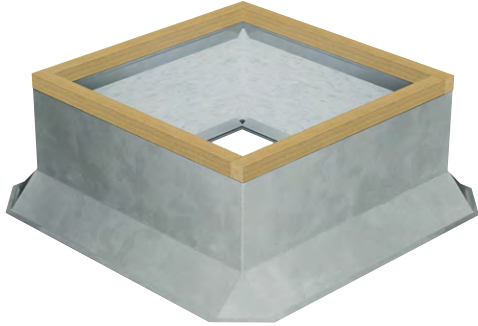


NEMA 4 Disconnect Switch

MODEL	STANDARD DISCONNECT SWITCH			
	NEMA 1	NEMA 3R	NEMA 4	NEMA 7/9
DCRU	Standard	Optional	Optional	Standard, w/EXP motor*
DCRUR	—	Standard	Optional	Standard, w/EXP motor*
DCRW	Standard	Optional	Optional	Standard, w/EXP motor*
DCRWR	—	Standard	Optional	Standard, w/EXP motor*
BCRU	Standard	Optional	Optional	Standard, w/EXP motor*
BCRUR	—	Standard	Optional	Standard, w/EXP motor*
BCRW	Standard	Optional	Optional	Standard, w/EXP motor*
BCRWR	—	Standard	Optional	Standard, w/EXP motor*
BCRUSH	—	Standard	Optional	Standard, w/EXP motor*

* Always ships loose

Overview



Canted 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 standard
- 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



Self-Flashing & Straight-Sided Roof Curbs

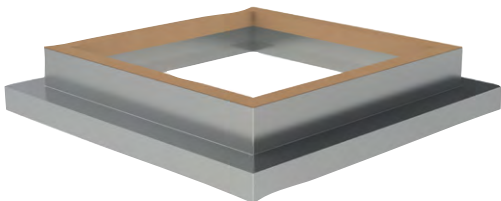
- Constructed of 18-gauge galvanized steel with continuous welded seams
- Wide base plate (flashing) to insure watertight seal to roof
- Top ledge covered with ¾" polystyrene gasket (self-flashing) for weather seal and to reduce metal-to-metal conducted noise
- Wood nailer secured to top ledge (straight-sided)
- Lined with 1½" fiberglass fire-resistant, sound-absorbing insulation
- Damper shelf standard
- Straight-sided roof curbs are constructed with the same features as the self-flashing curbs, but are one dimensional to allow for field supplied cants and roofing material to be brought up to the top of the curb
- 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



Self-Flashing Vented Roof Curbs

For High Temperature Applications

- Completely assembled unit, easier to install and less expensive than a field constructed curb
- Constructed of 18-gauge galvanized steel with continuous welded seams and wide base flashing for watertight seal to roof
- Meets NFPA-96 code requirements
- Top ledge covered with ¾" polystyrene gasket
- Furnished with ventilation slots



Curb Adapters

- Constructed of heavy-gauge galvanized steel with continuous welded seams
- Top ledge covered with ¾" polystyrene gasket to reduce metal-to-metal conducted noise and act as a weather seal
- Available in enlarger or reducer (shown) models

Direct Drive  

DCRU / DCRUR / DCRW / DCRWR

EC MOTOR		PSC MOTOR		RPM	STATIC PRESSURE (INCHES W.G.)																				
SIZE	MTR HP	SIZE	MTR HP		0		0.125		0.25		0.375		0.50		0.625		0.75		1.00		1.25		1.50		
					CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM
---	---	071B	1/8	860	193																				
					0.01	3.9																			
---	---	072B	1/8	1160	260		184																		
					0.04	4.3	0.04	4.1																	
---	---	073B	1/8	1650	370		320		264		185														
					0.10	5.3	0.10	5.0	0.10	4.1	0.10	4.2													
073BE	1/6	---	---	1750	392		345		294		226														
					0.12	5.9	0.12	5.7	0.12	4.5	0.12	5.0													
083BE	1/4	081B	1/8	860	259		80																		
					0.11	2.6	0.12	3.2																	
		082B	1/8	1160	494		424		330																
					0.10	6.6	0.10	6.2	0.10	6.1															
		083B	1/3	1750	763		715		664		610		545		472		390								
					0.20	9.1	0.21	9.1	0.21	8.8	0.22	8.1	0.22	8.3	0.22	8.6	0.21	8.2							
093BE	1/4	091B	1/8	860	591		408																		
					0.04	6.7	0.04	6.5																	
		092B	1/8	1160	797		667		518		306														
					0.09	7.5	0.10	6.8	0.10	7.1	0.09	6.4													
		093B	1/3	1750	1295		1208		1113		1009		899		766		608								
					0.24	10.6	0.25	10.6	0.26	10.0	0.27	9.1	0.27	9.4	0.27	9.5	0.26	9.1							
110BE	1/2	110B	1/8	860	805		698		566																
						0.04	4.9	0.05	4.3	0.05	4.5														
		1/8	1160	1086		1008		926		833		720		537											
					0.10	8.2	0.11	8.0	0.11	7.0	0.11	7.2	0.11	7.0	0.10	6.1									
		1/2	1750	1638		1588		1536		1482		1427		1371		1311		1173		1005					
					0.35	15.7	0.36	15.7	0.37	15.7	0.37	14.2	0.38	13.5	0.38	12.9	0.39	12.9	0.39	14.0	0.39	12.1			
120BE	3/4	120B	1/8	860	1109		982		862		691														
						0.06	6.3	0.07	5.6	0.07	5.5	0.07	4.9												
		1/4	1160	1495		1399		1309		1225		1122		997											
					0.16	10.0	0.17	9.9	0.17	8.6	0.18	8.5	0.18	9.2	0.18	8.8									
		3/4	1750	2256		2190		2127		2065		2006		1950		1895		1773		1620		1448			
					0.54	18.5	0.55	18.5	0.57	18.5	0.58	17.5	0.59	16.4	0.60	16.1	0.61	15.5	0.62	16.0	0.63	17.1	0.62	16.0	
140BE	1, 2	140B	1/8	860	1676		1512		1358		1155														
						0.11	8.6	0.12	7.8	0.13	7.3	0.13	7.7												
		1/2	1160	2261		2138		2019		1907		1785		1634		1465									
					0.27	13.6	0.29	13.6	0.30	12.0	0.31	11.2	0.32	11.8	0.32	12.2	0.32	11.1							
		---	---	1750	3411		3329		3248		3168		3089		3012		2938		2786		2608		2397		
					0.94	27	0.96	27	0.98	27	1.00	26	1.02	24	1.04	22	1.06	21	1.09	21	1.10	22	1.10	22	
160BE	1	160B	1/4	860	2167		1914		1769		1597		1380												
						0.18	11.3	0.19	9.4	0.20	8.7	0.20	9.5	0.20	8.6										
	1/2	1160	2923		2700		2561		2453		2344		2216		2075		1713								
					0.43	17.2	0.46	17.0	0.47	14.3	0.48	13.4	0.49	13.4	0.49	14.3	0.49	14.5	0.49	11.2					
	1	---	---	1200	3024		2805		2665		2559		2456		2337		2206		1886						
					0.48	18.1	0.50	18.1	0.52	15.2	0.53	14.2	0.54	14.2	0.54	15.1	0.55	15.3	0.55	13.4					
	2	---	---	1750	4410		4234		4105		3997		3906		3830		3759		3619		3462		3288		
					1.48	33	1.53	33	1.56	33	1.58	29	1.60	27	1.61	26	1.63	26	1.65	25	1.68	26	1.69	27	
180BE	1	180B	1/2	860	2866		2685		2504		2321		2091		1839		1550								
						0.29	11.9	0.31	11.9	0.32	10.6	0.33	9.6	0.34	10.1	0.34	9.9	0.33	8.8						
	1100	3665		3524		3382		3240		3102		2955		2780		2389		1931							
				0.61	16.4	0.63	16.4	0.65	16.7	0.66	15.5	0.68	14.8	0.69	14.2	0.71	14.7	0.71	15.1	0.68	13.2				
	1160	3865		3731		3597		3462		3330		3196		3047		2685		2296							
	2	---	---	1400	4665		4554		4443		4331		4219		4109		4000		3773		3496		3188		
					1.25	23	1.28	23	1.30	23	1.33	23	1.35	22	1.37	22	1.39	22	1.43	22	1.46	22	1.48	23	

EC Motor is an Electronically Commutated Motor.
PSC Motor is a Permanent Split Capacitor Motor.

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.
6. All sizes are available with variable speed control.

Fan Efficiency Grade

MODEL	FAN SIZE	OUTLET AREA (ft²)	FEG
DCRU/DCRUR/ DCRW/DCRWR	140B	2.68	FEG63
	140BE	2.68	FEG63
	160B	2.68	FEG60
	160BE	2.68	FEG60
	180B	3.86	FEG60
	180BE	3.86	FEG60
BCRU/BCRUR/ BCRW/BCRWR/ BCRUSH	140B	2.68	FEG63
	160BMP	2.68	FEG60
	160BHP	2.68	FEG63
	180BMP	3.86	FEG60
	180BHP	3.86	FEG63

MODEL	FAN SIZE	OUTLET AREA (ft²)	FEG
BCRU/BCRUR/ BCRW/BCRWR/ BCRUSH	210B	6.07	FEG63
	210BHP	6.07	FEG67
	240B	6.07	FEG60
	240BHP	6.07	FEG63
	300B	9.23	FEG71
	300BHP	9.23	FEG71
	360B	11.91	FEG63
	360BHP	11.91	FEG67
	420B	14.29	FEG67
	480B	16.91	FEG63



Belt Driven

110B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	625	585 0.02 2.7	423 0.02 2.4										
	750	702 0.03 3.9	576 0.03 3.1	384 0.03 2.8									
		925	866 0.05 5.6	767 0.06 5.1	652 0.06 5.1	485 0.06 4.2							
	1025	959 0.07 6.7	871 0.08 6.3	774 0.08 5.6	653 0.08 5.9	433 0.07 5.0							
		1125	1053 0.09 7.7	973 0.10 7.6	887 0.10 6.6	789 0.10 7.0	666 0.10 6.4						
	1250	1170 0.13 9.3	1098 0.13 9.2	1023 0.14 8.0	942 0.14 7.6	846 0.14 8.3	732 0.14 7.4						
		1330	1245 0.15 10.3	1178 0.16 10.3	1107 0.17 9.2	1033 0.17 8.5	950 0.17 9.0	853 0.17 9.0	732 0.17 7.7				
	1375	1287 0.17 10.6	1222 0.18 10.6	1154 0.18 9.8	1084 0.19 9.0	1006 0.19 9.1	915 0.19 9.5	811 0.19 8.7	643 0.17 8.1				
		1515	1418 0.23 12.6	1360 0.23 12.6	1299 0.24 11.8	1236 0.25 10.8	1170 0.25 10.3	1097 0.25 10.7	1015 0.25 11.2	923 0.25 10.6	802 0.24 9.3		
	1/3	1585	1484 0.26 13.3	1428 0.27 13.3	1370 0.28 13.1	1310 0.28 11.8	1248 0.28 11.2	1182 0.29 11.2	1108 0.29 12.0	1025 0.29 12.0	932 0.29 10.6	800 0.27 9.9	
		1670	1563 0.30 14.7	1510 0.31 14.7	1456 0.32 14.2	1399 0.33 13.3	1341 0.33 12.5	1281 0.33 12.0	1214 0.34 12.7	1141 0.34 12.9	1061 0.34 12.8	970 0.34 11.3	841 0.32 10.9
	1/2	1795	1680 0.38 16.3	1631 0.39 16.3	1581 0.40 16.3	1529 0.40 15.1	1475 0.41 14.2	1421 0.41 13.6	1363 0.42 13.6	1301 0.42 14.2	1233 0.42 14.4	1159 0.42 14.3	1078 0.42 13.3
1920		1797 0.46 17.8	1751 0.47 17.8	1704 0.48 17.8	1656 0.49 17.5	1607 0.50 16.5	1557 0.50 15.6	1505 0.51 15.1	1451 0.51 15.1	1392 0.51 15.3	1392 0.51 16.1	1261 0.52 16.1	1106 0.51 14.0

120B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	650	838 0.03 3.5	677 0.03 3.0										
	975	1257 0.09 7.6	1143 0.10 7.1	1042 0.11 6.5	918 0.11 7.0	753 0.10 5.6							
		1305	1682 0.22 11.6	1596 0.23 11.6	1513 0.24 10.8	1438 0.25 10.2	1362 0.26 10.1	1268 0.26 10.8	1159 0.26 10.6	1035 0.25 9.5			
1/3	1370	1766 0.26 12.5	1683 0.27 12.5	1604 0.28 11.8	1531 0.29 11.0	1460 0.29 10.6	1379 0.30 11.2	1282 0.31 11.8	1174 0.30 11.3	1040 0.29 9.6			
	1435	1850 0.30 13.6	1771 0.31 13.6	1695 0.32 12.8	1623 0.33 12.0	1556 0.33 11.4	1485 0.34 11.5	1399 0.35 12.2	1300 0.35 12.5	1195 0.34 11.7	1047 0.33 10.3		
1/2	1545	1992 0.37 14.9	1918 0.38 14.9	1847 0.39 14.6	1779 0.40 13.8	1715 0.41 13.1	1653 0.42 12.9	1583 0.43 13.0	1502 0.43 13.8	1411 0.43 14.0	1314 0.43 13.6	1200 0.42 12.1	
	1655	2133 0.46 16.6	2064 0.47 16.6	1998 0.48 16.6	1933 0.49 15.5	1872 0.50 14.6	1814 0.51 14.4	1754 0.52 14.3	1688 0.52 14.4	1612 0.53 15.2	1527 0.53 15.4	1438 0.53 15.3	1202 0.51 13.1

140B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	850	1657 0.11 8.4	1491 0.12 7.7	1334 0.13 7.2	1126 0.13 7.3								
	1080	2105 0.22 12.1	1973 0.23 12.0	1847 0.25 10.4	1726 0.25 10.2	1578 0.26 10.9	1402 0.26 10.2						
1/3	1140	2222 0.26 12.9	2097 0.27 12.9	1976 0.29 11.7	1862 0.30 11.0	1732 0.30 11.6	1577 0.31 11.8						
	1200	2339 0.30 14.2	2220 0.32 14.2	2104 0.33 12.8	1995 0.34 12.0	1882 0.35 12.0	1745 0.36 12.7	1586 0.36 12.1					
1/2	1305	2543 0.39 16.8	2434 0.41 16.8	2327 0.42 15.5	2224 0.43 13.9	2125 0.45 13.5	2015 0.45 13.8	1885 0.46 14.6	1739 0.46 13.9				
	1370	2670 0.45 18.5	2566 0.47 18.5	2464 0.48 17.5	2364 0.50 15.6	2269 0.51 14.6	2171 0.52 14.6	2058 0.53 15.2	1926 0.53 15.2	1785 0.53 14.5			
3/4	1475	2875 0.56 21	2778 0.58 21	2682 0.60 21	2589 0.61 18.0	2499 0.63 17.1	2411 0.64 16.1	2318 0.65 16.6	2210 0.66 16.7	2089 0.66 17.5	1958 0.66 16.6		
	1565	3050 0.67 23	2959 0.69 23	2869 0.71 23	2780 0.73 21	2693 0.74 19.0	2611 0.76 17.8	2527 0.77 17.6	2436 0.78 18.0	2332 0.79 18.7	2217 0.79 18.8	2094 0.79 18.1	
1	1650	3216 0.79 25	3129 0.81 25	3043 0.83 25	2959 0.85 23	2876 0.86 21	2796 0.88 19.8	2718 0.89 19.1	2637 0.91 19.1	2547 0.92 19.6	2447 0.92 20	2338 0.93 20	2102 0.92 18.4
	1720	3352 0.89 27	3269 0.92 27	3187 0.94 27	3105 0.95 25	3025 0.97 23	2947 0.99 21	2872 1.01 21	2796 1.02 20	2716 1.03 20	2627 1.04 21	2529 1.05 22	2310 1.05 21

NOTES: 1. Performance certified is for Installation Type A: Free inlet, free outlet. 2. Power rating (BHP) does not include transmission losses. 3. Performance ratings do not include the effects of appurtenances (accessories). 4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. 5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Belt Driven



140BHP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 56

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50	1.75	2.00	2.25	2.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	1450	1095	1015	924	816								
	1525	0.22 9.6 1181	0.22 10.4 1109	0.22 10.2 1028	0.22 8.8 938		823						
1/3	1600	0.25 10.5 1265	0.26 11.0 1199	0.26 11.3 1127	0.26 10.7 1046	0.25 9.3 956	836						
	1680	0.29 11.3 1352	0.29 11.3 1292	0.30 12.0 1227	0.30 12.1 1155	0.30 11.2 1075	0.29 10.3 987	866					
1/2	1810	0.34 12.6 1491	0.34 12.1 1437	0.34 12.7 1381	0.34 12.9 1319	0.35 12.8 1253	0.34 11.8 1180	0.33 10.9 1102	870				
	1940	0.42 14.3 1628	0.42 14.0 1578	0.43 13.6 1527	0.43 14.3 1474	0.43 14.5 1417	0.43 14.5 1355	0.43 13.7 1288	0.40 12.3 1139	895			
3/4	2075	0.51 16.9 1767	0.52 15.9 1722	0.52 15.1 1675	0.52 15.1 1627	0.53 15.4 1577	0.53 16.1 1524	0.53 16.2 1467	0.53 14.7 1341	1197	960		
	2205	0.62 18.6 1900	0.63 17.8 1857	0.63 17.1 1814	0.64 16.8 1770	0.64 16.6 1725	0.65 17.0 1677	0.65 17.7 1627	0.65 17.7 1519	0.64 15.6 1397	0.59 14.8 1256	1031	
		0.74 21	0.75 19.8	0.76 18.9	0.76 18.6	0.77 17.9	0.77 17.9	0.77 18.1	0.78 19.1	0.78 19.0	0.77 16.6	0.71 16.5	

160B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.125	1.25	1.50
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	780	2207	1989	1708	1299								
	865	0.17 8.6 2448	0.18 8.1 2255	0.19 7.4 2023	0.18 7.3 1714		1291						
1/3	900	0.24 10.2 2547	0.25 10.0 2363	0.26 8.7 2145	0.26 9.3 1866	0.24 8.4 1496							
	950	0.27 11.1 2688	0.28 11.1 2515	0.29 9.4 2315	0.29 10.0 2071	0.28 9.3 1753	1324						
1/2	1000	0.31 12.1 2830	0.33 12.0 2666	0.34 10.7 2481	0.34 10.5 2263	0.34 10.9 1984	0.31 9.4 1638						
	1100	0.36 13.4 3113	0.38 13.4 2966	0.39 12.0 2803	0.40 11.4 2620	0.40 12.1 2404	0.38 11.1 2137	1819	1338				
3/4	1160	0.48 15.5 3283	0.50 15.5 3144	0.52 14.6 2992	0.53 13.5 2824	0.53 13.6 2632	0.51 13.3 2401	0.45 12.3 2130	1805				
	1250	0.57 16.9 3538	0.59 16.9 3409	0.60 16.1 3271	0.61 15.1 3121	0.62 15.0 2955	0.62 15.7 2766	0.61 15.4 2541	0.59 13.6 2286	1988	1546		
1	1320	0.71 19.3 3736	0.73 19.3 3615	0.75 18.7 3486	0.76 18.2 3347	0.77 17.1 3195	0.78 17.2 3028	0.78 18.3 2835	0.77 17.6 2612	0.74 15.9 2363	0.67 15.2 2074	1655	
	1380	0.84 21 3905	0.86 21 3790	0.88 21 3668	0.89 19.8 3537	0.91 19.2 3396	0.92 19.0 3242	0.92 19.3 3071	0.91 19.6 2872	0.90 19.2 2651	0.87 17.1 2404	0.79 16.6 2118	
		0.96 23	0.98 23	1.00 23	1.02 22	1.03 21	1.04 20	1.05 20	1.05 22	1.04 21	1.02 20	0.99 18.1	

160BMP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)											
		0	0.125	0.25	0.375	0.50	0.625	0.75	0.875	1.00	1.25	1.50	1.75
		CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone	CFM BHP Sone
1/4	825	2079	1823	1671	1483	1233							
	930	0.16 10.5 2344	0.17 8.7 2097	0.17 8.1 1958	0.18 8.9 1812	0.18 6.9 1636	1412						
1/3	975	0.22 12.5 2457	0.24 10.7 2215	0.25 10.0 2077	0.25 10.0 1944	0.26 10.7 1786	0.23 8.6 1595	1343					
	1020	0.26 13.2 2570	0.27 11.7 2333	0.28 10.7 2195	0.29 10.6 2073	0.29 11.4 1928	0.30 10.5 1760	0.29 8.4 1552					
1/2	1100	0.29 14.2 2772	0.31 13.0 2543	0.32 11.5 2404	0.33 11.0 2293	0.33 12.1 2169	0.34 11.9 2028	0.34 9.8 1866	1669				
	1185	0.37 16.0 2986	0.39 15.1 2765	0.40 13.0 2626	0.41 12.4 2520	0.42 12.6 2414	0.42 13.5 2292	0.42 13.3 2157	0.42 11.0 2005	1823			
3/4	1265	0.46 18.0 3188	0.48 17.7 2971	0.50 15.2 2834	0.51 14.2 2730	0.52 14.1 2634	0.52 14.4 2528	0.53 15.2 2410	0.53 14.7 2281	0.53 12.7 2136	1766		
	1345	0.56 19.7 3389	0.59 19.7 3183	0.60 17.0 3044	0.61 16.0 2939	0.62 15.5 2848	0.63 15.5 2755	0.64 16.5 2650	0.64 16.7 2537	0.64 16.4 2414	0.63 12.8 2122		
1	1415	0.67 22 3566	0.70 22 3365	0.72 19.1 3227	0.73 17.8 3121	0.74 17.1 3032	0.75 17.0 2947	0.76 17.1 2854	0.77 18.0 2751	0.77 18.8 2641	0.78 16.5 2391	2073	
	1490	0.78 24 3755	0.82 24 3560	0.84 21 3424	0.85 19.5 3317	0.86 18.6 3229	0.87 18.5 3147	0.88 18.6 3064	0.89 18.7 2972	0.89 19.8 2872	0.90 19.9 2653	0.89 16.2 2392	2055
		0.91 26	0.95 26	0.97 24	0.99 22	1.00 20	1.01 20	1.02 19.4	1.03 19.5	1.04 20	1.05 22	1.05 20	1.03 17.9

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.



Belt Driven

160BHP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 143T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0.50		0.625		0.75		0.875		1.00		1.125		1.25		1.50		1.75		2.00		2.25		2.50	
		CFM	BHP	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone
1/4	950	1205																							
		0.18	8.1																						
	1085	1592		1417																					
1/3	1155	1772		1620		1450																			
		0.32	11.6	0.32	11.9	0.32	10.6																		
	1195	1870		1731		1571																			
1/2	1320	2158		2052		1926		1783		1630															
		0.46	13.8	0.47	13.9	0.47	14.7	0.47	14.2	0.47	12.6														
	1365	2258		2160		2045		1912		1770															
3/4	1500	2553		2467		2377		2274		2158		2031		1899											
		0.66	17.4	0.67	16.7	0.68	16.7	0.69	17.6	0.70	17.8	0.69	17.2	0.69	16										
	1560	2683		2600		2515		2424		2319		2203		2079											
1	1680	2940		2861		2784		2706		2621		2525		2421		2193									
		0.91	22	0.93	21	0.94	19.8	0.96	19.6	0.97	19.8	0.97	20	0.98	21	0.97	19.5								
	1715	3014		2936		2861		2785		2704		2615		2515		2296									
		0.96	23	0.98	21	1.00	21	1.01	20	1.03	20	1.03	21	1.04	21	1.04	21								

180B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0		0.125		0.25		0.375		0.5		0.625		0.75		0.875		1.00		1.25		1.50		1.75	
		CFM	BHP	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone
1/4	525	2469		1988		1251																			
		0.12	5.9	0.13	5.1	0.12	4.7																		
	665	3127		2758		2338		1736																	
1/3	700	3292		2942		2558		2030																	
		0.28	10.1	0.29	9.5	0.30	8.7	0.30	9.3																
	730	3433		3099		2738		2274		1629															
1/2	785	3692		3382		3056		2669		2149															
		0.39	12.3	0.41	11.9	0.42	10.6	0.43	10.9	0.41	10.7														
	840	3951		3662		3361		3025		2602		2074													
3/4	900	4233		3965		3685		3389		3039		2590		2065											
		0.59	15.0	0.61	15.0	0.63	13.5	0.64	13.2	0.64	13.7	0.63	13.7	0.59	11.6										
	965	4538		4289		4030		3763		3462		3107		2662		2146									
1	1010	4750		4512		4266		4013		3739		3423		3037		2600		1995							
		0.84	18.2	0.86	18.2	0.88	17.2	0.90	16.2	0.91	16.1	0.91	17.0	0.90	16.7	0.87	15.4	0.76	14.0						
	1060	4985		4759		4526		4286		4035		3751		3425		3024		2600							
1-1/2	1135	5338		5127		4910		4688		4461		4215		3940		3625		3248		2318					
		1.19	22	1.21	22	1.24	21	1.26	20	1.28	19.7	1.29	19.6	1.29	20	1.28	20	1.26	19.5	1.10	16.7				
	1210	5691		5493		5291		5084		4874		4655		4415		4151		3850		3133					
2	1270	5973		5785		5593		5396		5197		4993		4776		4539		4279		3640		2888			
		1.66	26	1.69	26	1.72	26	1.75	25	1.77	24	1.80	23	1.81	23	1.81	23	1.80	24	1.77	23	1.64	19.7		
	1330	6255		6076		5893		5706		5516		5324		5125		4909		4676		4129		3471		2543	
		1.91	28	1.94	28	1.97	28	2.00	27	2.03	26	2.05	25	2.07	25	2.08	25	2.08	25	2.05	26	1.98	23	1.71	21

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Belt Driven



180BMP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																					
		0		0.125		0.25		0.50		0.75		1.00		1.25		1.50		2.00		2.25		2.50	
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP
1/4	650	2166	0.13	7.4	1926	0.14	6.9	1673	0.15	6.2													
	790	2632	0.22	10.4	2435	0.24	10.2	2240	0.25	8.9	1750	0.26	8.8										
1/3	830	2766	0.26	11.2	2578	0.28	11.2	2391	0.29	9.7	1946	0.31	9.6										
	870	2899	0.30	11.9	2720	0.32	11.9	2541	0.33	10.8	2139	0.34	9.0	1613									
1/2	930	3099	0.37	13.6	2932	0.38	13.6	2763	0.40	12.3	2414	0.42	11.1	1952									
	995	3315	0.45	13.9	3159	0.47	13.9	3002	0.51	12.3	2688	0.53	13.0	2279	1802								
3/4	1060	3532	0.54	15.4	3385	0.56	15.4	3238	0.61	13.8	2947	0.63	13.6	2179									
	1130	3765	0.66	17.1	3628	0.68	17.1	3490	0.73	15.6	3216	0.76	15.0	2538	2123								
1	1190	3965	0.77	18.4	3835	0.79	18.4	3703	0.85	16.8	3443	0.88	16.3	2831	2463								
	1250	4165	0.89	19.7	4041	0.91	19.7	3916	0.98	18.9	3667	1.01	18.2	3117	2772	2396							
1-1/2	1340	4465	1.09	22	4349	1.12	22	4223	1.19	21	3999	1.23	20	3521	3211	2889	2529						
	1430	4765	1.33	24	4656	1.36	24	4547	1.43	23	4329	1.48	22	3894	3635	3334	3031	2689					
2	1500	4998	1.53	26	4895	1.56	26	4791	1.64	25	4583	1.69	24	4171	3945	3672	3383	3087	2751				
	1575	5248	1.78	28	5149	1.81	28	5051	1.89	27	4852	1.94	26	4461	4258	4020	3748	3475	3186	2861			

180BHP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0.50		0.625		0.75		0.875		1.00		1.25		1.50		1.75		2.00		2.25		2.50		2.75	
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	BHP
1/4	875	1475	0.21	9.3	1193	0.21	8.4																		
	935	1692	0.26	10.8	1484	0.26	10.0																		
1/3	980	1848	0.30	11.5	1655	0.30	11.5	1428	0.30	10.2															
	1030	2014	0.34	11.9	1837	0.35	12.4	1649	0.35	11.9															
1/2	1105	2251	0.42	12.6	2097	0.42	13.8	1928	0.43	13.8	1751	0.43	12.9	1498	0.42	12.1									
	1180	2480	0.51	14.0	2343	0.51	14.2	2194	0.52	15.1	2034	0.52	15.1	1867	0.53	14.4									
3/4	1265	2731	0.62	15.7	2608	0.63	15.1	2477	0.64	16.1	2337	0.64	16.8	2187	0.64	14.6	1843								
	1350	2976	0.75	17.4	2865	0.76	17.0	2747	0.76	17.6	2623	0.77	17.6	2490	0.79	17.5	2207	1812							
1	1415	3159	0.85	18.8	3056	0.87	18.3	2946	0.88	18.4	2832	0.89	19.3	2711	0.90	19.3	2447	2159							
	1485	3354	0.98	20	3258	0.99	19.4	3156	1.01	19.0	3050	1.01	19.6	2939	1.04	21	2699	2441	2119						
1-1/2	1595	3656	1.21	22	3569	1.22	22	3477	1.25	21	3382	1.26	21	3284	1.27	22	3074	2844	2602	2305					
	1705	3953	1.47	24	3873	1.48	24	3791	1.51	23	3705	1.52	22	3616	1.54	23	3428	3226	3008	2781	2512				
2	1790	4181	1.69	26	4106	1.71	26	4028	1.74	25	3948	1.75	24	3866	1.78	24	3692	3507	3308	3096	2879	2611			
	1870	4394	1.92	27	4322	1.94	27	4249	1.97	26	4174	1.99	26	4097	2.01	25	3934	3762	3580	3384	3180	2968	2701		

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.



Belt Driven

210B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																								
		0		0.125		0.25		0.375		0.50		0.625		0.75		1.00		1.25		1.50		1.75		2.00		
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM
1/4	500	3288		2895		2472		1957																		
	550	0.14 8.5		0.16 6.9		0.19 6.7		0.20 5.4																		
1/3	570	3748		3404		3053		2648		2167																
	600	0.21 10.0		0.24 8.9		0.24 7.8		0.26 7.3		0.26 6.5																
1/2	650	4274		3974		3669		3348		2982		2580		1899												
	695	0.31 13.2		0.34 12.5		0.37 10.3		0.40 10.4		0.42 10.1		0.43 8.7		0.40 8.7												
3/4	750	4931		4672		4408		4144		3861		3547		3219		2183										
	795	0.47 16.3		0.51 16.3		0.55 14.0		0.58 12.8		0.61 13.3		0.64 13.4		0.66 11.5		0.62 11.4										
1	830	5457		5223		4986		4747		4506		4246		3962		3351		2284								
	875	0.64 19.3		0.68 19.3		0.72 17.7		0.76 15.5		0.80 15.1		0.84 16.0		0.87 16.0		0.90 13.2		0.82 13.2								
1-1/2	950	6246		6042		5836		5628		5419		5209		4988		4499		3976		3180						
	1000	0.96 22		1.01 22		1.05 22		1.10 19.7		1.14 18.0		1.19 17.2		1.23 17.7		1.31 18.7		1.34 15.7		1.32 16.3						
2	1050	6904		6719		6533		6346		6157		5968		5778		5371		4920		4448		3818		2892		
	1100	1.29 25		1.35 25		1.40 25		1.45 23		1.50 21		1.55 20		1.60 19.5		1.69 21		1.77 21		1.81 18.0		1.81 18.7		1.65 18.6		

210BHP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 182T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																								
		0.5		0.75		1.00		1.25		1.50		1.75		2.00		2.25		2.50		2.75		3.00		3.25		
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM
1/2	730	2726		2180																						
	790	0.38 9.7		0.42 8.8																						
3/4	850	3491		3041		2574		1800																		
	895	0.54 11.3		0.61 12.5		0.66 11.1		0.63 11.4																		
1	950	4085		3705		3296		2876		2287																
	990	0.72 13.4		0.79 14.2		0.87 14.3		0.92 13.3		0.91 14.0																
1-1/2	1050	4661		4330		3972		3602		3224		2751														
	1135	0.94 16.5		1.01 15.7		1.10 17.0		1.19 16.8		1.23 15.6		1.25 16.4														
2	1200	5504		5216		4924		4611		4286		3967		3624		3213		2503								
	1250	1.34 21		1.43 19.4		1.52 19.3		1.62 21		1.73 21		1.80 20		1.85 19.8		1.86 20		1.77 20								
3	1330	6221		5958		5699		5434		5152		4859		4568		4279		3957		3584		3031				
	1430	1.77 26		1.88 24		1.98 22		2.07 22		2.19 24		2.31 25		2.41 24		2.48 23		2.52 24		2.53 24		2.47 24				

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Belt Driven



240B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 145T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0		0.125		0.25		0.375		0.50		0.625		0.75		0.875		1.00		1.25		1.50		1.75	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1/4	420	3969	0.15	3503	6.7	2928	6.2	1910	6.5																
	445	4206	0.18	3768	7.2	3260	7.0	2498	7.0																
1/3	470	4442	0.21	4031	8.1	3571	7.8	2931	7.5																
	485	4584	0.23	4186	8.3	3748	8.1	3163	7.8	2207	7.9														
1/2	530	5009	0.30	4648	9.7	4259	9.6	3797	9.5	3176	8.9	2085	7.3												
	560	5293	0.36	4953	10.5	4588	10.5	4182	9.9	3651	9.8	2917	8.3												
3/4	600	5671	0.44	5355	12.0	5019	12.0	4661	11.1	4223	10.9	3675	10.3	2863	9.5										
	635	6001	0.52	5704	13.1	5389	13.1	5059	12.4	4683	12.1	4214	12.5	3640	10.4	2730	10.4								
1	660	6238	0.59	5952	13.8	5651	13.8	5337	13.3	4993	12.8	4572	13.4	4070	11.4										
	705	6663	0.71	6396	15.3	6118	15.3	5827	14.9	5522	14.6	5173	14.6	4753	14.2	4267	13.4	3612							
1-1/2	750	7088	0.86	6838	16.8	6578	16.8	6308	16.6	6029	16.2	5728	15.8	5376	15.7	4967	15.3	4500	15.3	2966					
	810	7655	1.08	7424	19.1	7186	19.1	6939	18.3	6684	18.0	6421	17.6	6135	17.7	5806	18.6	5430	18.5	4512					
2	850	8033	1.25	7814	20	7587	20	7354	19.6	7113	19.2	6867	18.9	6608	19.4	6321	19.8	5993	19.8	5221	4087				
	890	8411	1.44	8202	22	7987	22	7765	22	7537	21	7305	20	7065	20	6808	21	6521	21	5841	4996	3602			

240BHP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 182T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0.50		0.625		0.75		1.00		1.25		1.50		1.75		2.00		2.25		2.50		2.75		3.00	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1/2	600	2837	0.39	2384	9.8	1774	8.6																		
	650	3330	0.47	2953	11.6	2523	9.9																		
3/4	700	3789	0.56	3464	12.6	3104	12.3	2184	11.3																
	745	4181	0.65	3894	13.2	3578	14.4	2844	12.2																
1	780	4473	0.73	4213	13.5	3924	15.2	3264	13.0	2394	13.0														
	825	4838	0.83	4607	14.1	4348	15.6	3765	15.3	3078	13.9	1820	13.1												
1-1/2	880	5273	0.98	5066	15.3	4841	16.0	4329	17.0	3741	15.3	3043	15.2												
	940	5741	1.16	5549	16.5	5352	16.5	4904	17.9	4395	18.0	3819	15.9	3125	16.5										
2	990	6127	1.32	5944	17.8	5761	17.3	5359	19.3	4900	18.4	4390	18.4	3818	17.3	3090									
	1035	6473	1.48	6295	19.2	6121	18.2	5753	19.9	5333	19.6	4870	19.9	4355	18.4	3781	18.4	2985							
3	1110	6969	1.75	6798	22	6633	20	6300	21	5931	22	5519	22	5072	20	4580	20	4040	20	3328					
	1185	7612	2.13	7450	25	7293	23	6987	22	6670	22	6316	24	5931	25	5518	23	5069	23	4585	4021	3210			

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.



Belt Driven

300B BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0		0.125		0.25		0.375		0.50		0.75		1.00		1.25		1.50		1.75		2.00		2.25	
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone
1/3	365	5626	7.4	4852	6.0	4145	5.8																		
		0.17	7.4	0.21	6.0	0.26	5.8																		
		6011	8.5	5269	7.0	4640	6.3	3686																	
1/2	430	6628	9.9	5934	8.7	5383	8.5	4716	8.3	3459															
		0.27	9.9	0.32	8.7	0.38	8.5	0.43	8.3	0.43	8.3														
		7090	11.3	6431	10.2	5908	9.7	5338	9.5	4545															
3/4	500	7707	13.1	7091	12.3	6589	12.0	6105	11.7	5522															
		0.43	13.1	0.48	12.3	0.55	12.0	0.62	11.7	0.68	11.4														
		8169	14.3	7582	13.8	7092	13.1	6652	12.8	6141	12.5	4406													
1	550	8478	15.3	7908	14.2	7426	14.0	7004	13.7	6532	13.5	5163													
		0.58	15.3	0.62	14.2	0.69	14.0	0.78	13.7	0.85	13.4	0.94	13.1												
		8863	16.6	8314	16.3	7842	15.7	7436	15.5	7005	15.2	5882													
1-1/2	620	9557	18.8	9042	18.8	8589	18.8	8198	18.8	7823	18.8	6926	18.8	5433											
		0.82	18.8	0.87	18.8	0.95	18.8	1.04	18.8	1.13	18.8	1.28	18.8	1.33	18.8										
		10173	23	9686	23	9252	23	8868	23	8518	23	7736	23	6688											
2	700	10790	23	10328	23	9911	23	9534	23	9199	23	8501	23	7654	23	6328									
		1.19	23	1.24	23	1.31	22	1.40	22	1.51	22	1.71	22	1.86	22	1.93	22								
		11175	25	10727	25	10321	25	9949	25	9619	25	8965	25	8188	25	7120									
3	780	12023	28	11604	28	11219	28	10862	28	10538	28	9944	28	9279	28	8499	28	7371							
		1.64	28	1.70	28	1.78	27	1.87	27	1.97	27	2.21	27	2.42	27	2.58	27	2.67	27						
		12794	31	12397	31	12031	31	11689	31	11369	31	10803	31	10220	31	9550	31	8741	31	7549					
5	900	13873	35	13505	35	13162	35	12838	35	12532	35	11983	35	11470	35	10905	35	10275	35	9526	35	8490			
		2.52	35	2.59	35	2.67	35	2.76	35	2.87	35	3.12	35	3.40	35	3.65	35	3.85	35	4.02	35	4.11	35	4.11	
		15183	40	14845	40	14526	40	14224	40	13935	40	13401	40	12925	40	12453	40	11929	40	11359	40	10713	40	9897	
5	985	3.31	40	3.37	40	3.46	40	3.56	40	3.67	40	3.92	40	4.22	40	4.52	40	4.79	40	5.01	40	5.20	40	5.35	
		3.31	40	3.37	40	3.46	40	3.56	40	3.67	40	3.92	40	4.22	40	4.52	40	4.79	40	5.01	40	5.20	40	5.35	
		3.31	40	3.37	40	3.46	40	3.56	40	3.67	40	3.92	40	4.22	40	4.52	40	4.79	40	5.01	40	5.20	40	5.35	

300BHP BCRU / BCRUR / BCRUSH / BCRW / BCRWR

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0.50		0.625		0.75		1.00		1.25		1.50		1.75		2.00		2.25		2.50		2.75		3.00	
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone
1/2	480	3604	7.5	2806	7.8																				
		0.42	7.5	0.42	7.8																				
		4180	8.9	3631	8.7	2693	8.8																		
3/4	550	4707	10.3	4258	10.0																				
		0.58	10.3	0.62	9.8	0.64	10.0																		
		5280	11.4	4892	11.8	4451	11.4	2891																	
1	600	6753	14.0	6463	13.8	6146	13.4	5457	13.4	4536															
		1.02	14.0	1.10	13.8	1.16	13.4	1.28	13.4	1.33	13.4														
		7256	15.4	6998	15.2	6710	15.0	6091	15.0	5357	15.0	4232													
2	760	7503	16.2	7259	16.1	6986	16.0	6393	16.0	5716	16.0	4803													
		1.24	16.2	1.33	15.8	1.41	16.1	1.55	16.1	1.66	16.1	1.70	16.1												
		8172	18.7	7959	18.0	7723	17.6	7192	17.6	6620	17.6	5948	17.6	5035											
3	900	9185	22	9002	22	8808	22	8372	22	7881	22	7364	22	6777	22	6063	22	4969							
		1.89	22	2.00	22	2.11	22	2.30	22	2.48	22	2.63	22	2.75	22	2.82	22	2.76	22						
		9537	23	9363	23	9180	23	8772	23	8308	23	7818	23	7285	23	6663	23	5862	23	4414					
5	1020	10584	25	10431	25	10271	25	9931	25	9545	25	9118	25	8674	25	8203	25	7675	25	7064	25	6267	25	4905	
		2.62	25	2.74	25	2.86	25	3.10	25	3.32	25	3.53	25	3.72	25	3.88	25	4.01	25	4.10	25	4.1	25	3.87	
		11619	28	11482	28	11340	28	11042	28	10718	28	10358	28	9965	28	9560	28	9137	28	8681	28	8172	28	7588	
5	1110	3.27	28	3.41	28	3.54	28	3.81	28	4.06	28	4.30	28	4.53	28	4.73	28	4.92	28	5.08	28	5.21	28	5.29	
		3.27	28	3.41	28	3.54	28	3.81	28	4.06	28	4.30	28	4.53	28	4.73	28	4.92	28	5.08	28	5.21	28	5.29	
		3.27	28	3.41	28	3.54	28	3.81	28	4.06	28	4.30	28	4.53	28	4.73	28	4.92	28	5.08	28	5.21	28	5.29	

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

Belt Driven



360B BCRU / BCRUR / BCRUSH

Max. Motor Frame = 184T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0		0.125		0.25		0.375		0.50		0.75		0.875		1.00		1.125		1.25		1.50		1.75	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1/2	300	9106	0.31	7953	0.38	6246	0.44	3068																	
	320	8714	0.38	8645	0.46	7220	0.53	4962																	
3/4	340	10321	0.45	9326	0.54	8110	0.63	6174																	
	360	10928	0.54	9997	0.63	8911	0.76	7270	0.70	4901															
1	380	11535	0.63	10659	0.72	9664	0.89	8270	0.88	6400															
	400	12142	0.74	11315	0.83	10390	1.02	9217	1.04	7548	5207														
1-1/2	420	12749	0.85	11966	0.96	11098	1.16	10082	1.18	8617	8660														
	460	13963	1.12	13254	1.23	12481	1.47	11636	1.58	10557	9135	7509	4855												
2	480	14570	1.27	13893	1.39	13161	1.63	12369	1.74	11435	10158	8684	6866												
	494	14995	1.39	14339	1.51	13632	1.76	12871	1.88	12009	10843	9471	7929	5402											
	505	15329	1.48	14688	1.61	14000	1.86	13262	1.99	12443	11371	10065	8603	6481											
3	550	16695	1.92	16109	2.05	15489	2.32	14828	2.46	14128	13334	12304	11110	9784	5821										
	575	17454	2.19	16895	2.33	16306	2.61	15682	2.76	15026	14312	13451	12365	11186	8327										
5	630	19124	2.88	18616	3.03	18085	3.34	17530	3.50	16947	16340	15682	14915	13964	11797	9133									
	685	20793	3.70	20327	3.87	19845	4.20	19343	4.37	18821	18278	17715	17111	16429	14669	12634	10251								

360BHP BCRU / BCRUR / BCRUSH

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																							
		0.50		0.625		0.75		1.00		1.25		1.50		1.75		2.00		2.25		2.50		2.75		3.00	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
1	420	6363	0.79	5408	0.83	3478	0.74	8.1																	
	450	7209	0.93	6513	1.00	5477	1.02	9.6																	
1-1/2	480	8024	1.08	7415	1.16	6695	1.23	10.8																	
	503	8640	1.20	8057	1.29	7451	1.38	12.9	1.39	5428															
	515	8956	1.27	8385	1.36	7810	1.45	13.7	1.53	6099															
2	530	9345	1.36	8791	1.46	8242	1.55	14.6	1.67	6787															
	570	10346	1.62	9861	1.73	9344	2.02	15.6	2.06	6514															
3	600	11067	1.84	10638	1.96	10153	2.28	18.0	2.42	7897	5501														
	655	12345	2.29	11996	2.43	11596	2.80	20	3.02	9791	8558	6490													
5	700	13367	2.70	13057	2.86	12717	3.27	22	3.52	11081	10183	8930	6922												
	775	15038	3.51	14773	3.69	14493	4.18	24	4.47	13118	12365	11584	10611	9274	7137										
7-1/2	820	16026	4.07	15782	4.26	15526	4.79	27	5.11	14969	14310	13590	12882	12125	11180	9924	8056								
	885	17441	4.99	17221	5.19	16992	5.77	31	6.14	15959	15328	14660	14005	13322	12525	11510	10198								

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.



Belt Driven

420B BCRU / BCRUSH

Max. Motor Frame = 213T

HP	RPM	STATIC PRESSURE (INCHES W.G.)																								
		0		0.125		0.25		0.375		0.50		0.625		0.75		1.00		1.25		1.50		1.75		2.00		
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM
1/2	230	9194	0.24	8009	0.32	4.3	6065	0.38	4																	
	260	10393	0.35	9364	0.44	6	8097	0.54	6.2																	
3/4	290	11592	0.48	10684	0.59	8	9667	0.70	7.2	8042	0.77	7														
	320	12791	0.65	11977	0.76	10.1	11084	0.88	8.6	10008	1.00	9.7	8157	1.03	7.8											
1-1/2	365	14590	0.96	13884	1.09	12.9	13122	1.23	11.4	12313	1.37	11.2	9693	1.49	12	1.53	10.7									
	405	16189	1.31	15557	1.46	15.2	14886	1.61	14.4	14176	1.76	13.4	13420	1.91	13.6	2.04	14.3	2.09	12.7							
3	435	17388	1.62	16802	1.78	16.6	16185	1.94	16.4	15533	2.10	14.6	14859	2.27	14.5	2.43	15.4	2.54	15.4	2.52	12.8					
	460	18387	1.92	17834	2.09	17.8	17256	2.26	17.6	16648	2.43	16.4	16019	2.60	15.5	2.78	16	2.93	17	3.07	14.6					
5	505	20186	2.54	19684	2.73	19.9	19164	2.91	19.9	18622	3.10	18.8	18057	3.28	17.7	3.47	17.4	3.67	17.6	3.97	18.7	4.05	15.5			
	550	21985	3.28	21525	3.48	22	21051	3.69	22	20562	3.89	22.0	20056	4.09	21	4.29	19.5	4.50	19.2	4.91	20.0	5.18	20	5.23	18	13768
7-1/2	590	23583	4.05	23156	4.27	25	22717	4.48	25	22266	4.70	25.0	21801	4.92	24	5.13	23	5.35	22	5.81	22	6.21	23	6.43	23	14511
	630	25182	4.94	24783	5.17	27	24374	5.40	27	23955	5.63	27	23525	5.86	27	6.09	26	6.32	25	6.80	24	7.27	25	7.65	26	15446

480B BCRU / BCRUSH

Max. Motor Frame = 213T

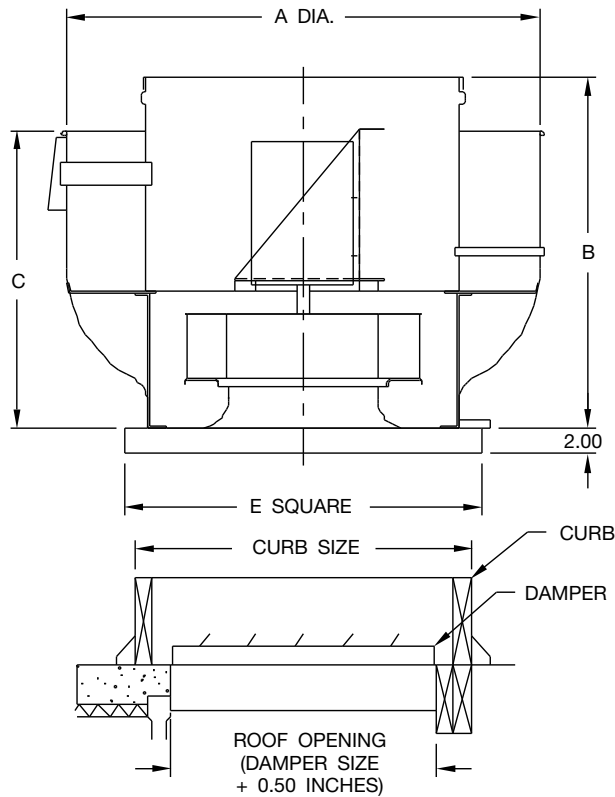
HP	RPM	STATIC PRESSURE (INCHES W.G.)																								
		0		0.125		0.25		0.375		0.50		0.625		0.75		0.875		1.125		1.00		1.25		1.50		
		CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM	BHP	CFM	Sone	CFM
1/2	195	10945	0.28	9191	0.37	4.1	5902	0.39	3.1																	
	210	11787	0.35	10139	0.44	5.0	7771	0.52	4.6																	
3/4	240	13471	0.53	11992	0.63	6.7	10523	0.73	6.8	7433	0.74	4.7														
	265	14874	0.71	13524	0.82	8.3	12298	0.93	7.6	10274	1.03	7.8	5367	0.80	5.2											
1-1/2	305	17119	1.08	15938	1.21	11.7	14837	1.34	10.3	13724	1.47	10.2	11769	1.58	10.3	8678	1.46	7.5								
	335	18803	1.43	17723	1.58	14.2	16688	1.72	12.4	15742	1.86	11.9	14525	2.00	12.6	12580	2.10	11.9	1.95	9.4						
3	355	19925	1.70	18905	1.86	15.3	17916	2.01	14.2	17013	2.16	13.2	16048	2.30	13.2	14490	2.45	13.7	2.49	12.2	2.08	10.1				
	380	21329	2.09	20373	2.26	17.3	19444	2.42	16.2	18572	2.58	15.0	17735	2.73	14.7	16681	2.89	14.9	3.03	15.1	3.05	13.5	2.58	12.0	9183	
5	420	23574	2.82	22707	3.01	20	21860	3.19	20	21035	3.37	17.8	20277	3.54	17.3	19510	3.71	17.2	3.88	17.5	4.06	17.6	4.13	17.3	13549	8741
	455	25538	3.59	24737	3.79	23	23951	3.99	23	23180	4.18	21	22446	4.37	19.9	21756	4.56	19.3	4.74	19.0	4.93	19.8	5.12	20	17415	15845
7-1/2	490	27503	4.48	26757	4.70	25	26025	4.91	25	25304	5.12	25	24598	5.33	23	23940	5.53	22	5.73	21	5.93	21	6.13	22	20713	19342
	520	29187	5.35	28483	5.59	28	27791	5.82	28	27109	6.04	28	26437	6.26	26	25791	6.48	25	6.69	24	6.90	23	7.11	23	23930	23162

NOTES:

1. Performance certified is for Installation Type A: Free inlet, free outlet.
2. Power rating (BHP) does not include transmission losses.
3. Performance ratings do not include the effects of appurtenances (accessories).
4. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301.
5. Values shown are for Installation Type A: Free inlet hemispherical sone levels.



Models DCRU, DCRUR



* Damper not available on DCRUR.

Dimensional Data and Weights

MODEL		A	B	C	E	AVG. UNIT WT. (LB.)
EC MTR	PSC MTR					
073BE	071-073B	22.00	24.44	18.00	17.00	100
083BE	081-083B	22.00	24.44	18.00	17.00	100
093BE	091-093B	22.00	26.13	18.00	20.00	120
110BE	110B	30.00	28.31	28.00	24.00	135
120BE	120B	30.00	27.19	28.00	24.00	135
140BE	140B	30.00	27.68	28.00	24.00	145
160BE	160B	30.00	29.81	28.00	24.00	180
180BE	180B	36.00	29.17	30.00	30.00	180

Dampers and Roof Curbs

MODEL		DAMPER SIZE*	STANDARD CURB SIZE	SELF FLASH CURB SIZE	ROOF OPENING
DCRU	DCRUR				
073BE	073BE	10 x 10	15½ x 15½	16½ x 16½	10½ x 10½
083BE	083BE	10 x 10	15½ x 15½	16½ x 16½	10½ x 10½
093BE	093BE	14 x 14	18½ x 18½	19½ x 19½	14½ x 14½
110BE	110BE	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
120BE	120BE	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
140BE	140BE	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
160BE	160BE	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
180BE	180BE	24 x 24	28½ x 28½	29½ x 29½	24½ x 24½

*DCRU Only

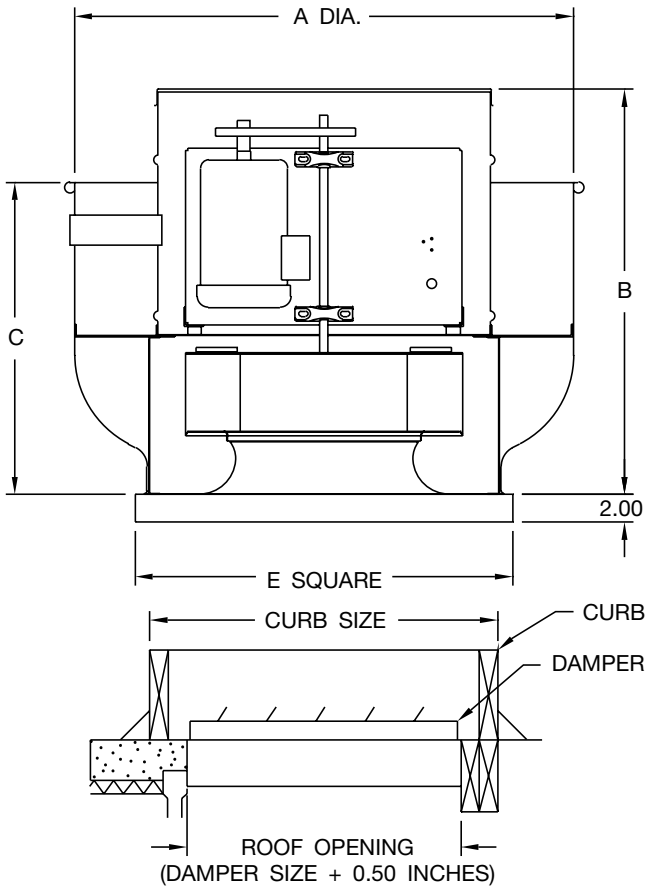
D-4407E
D-4408E

Notes:

1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.
4. Outside dimensions of roof curb should be 1" to 1.50" less than inside curb cap dimension 'E', depending on thickness of flashing material used. If curb hinges are used, specify 1.50" difference.
5. DCRUR (Kitchen Exhaust) provided with self flashing, vented, 12" high curb, built to 'standard' curb size dimensions above.



Models BCRU, BCRUR



* Damper not available on BCRUR.

Dimensional Data and Weights

MODEL		A	B	C	E	AVG. UNIT WT. (LBS.)
BCRU	BCRUR					
110B	110B	30.00	28.56	28.00	24.00	135
120B	120B	30.00	27.19	28.00	24.00	135
140B	140B	30.00	27.68	28.00	24.00	145
140BHP	140BHP	30.00	28.58	28.00	24.00	135
160B	160B	30.00	29.81	28.00	24.00	180
160BHP	160BHP	30.00	27.68	28.00	24.00	135
160BMP	160BMP	30.00	28.44	28.00	24.00	180
180B	180B	36.00	32.31	30.00	30.00	180
180BMP	180BMP	36.00	29.19	30.00	30.00	180
180BHP	180BHP	36.00	31.00	30.00	30.00	180
210B	210B	45.00	35.61	28.25	34.00	245
210BHP	210BHP	45.00	32.94	28.25	34.00	245
240B	240B	45.00	37.56	28.25	34.00	245
240BHP	240BHP	45.00	34.31	28.25	34.00	245
300B	300B	54.00	38.25	31.00	40.00	365
300BHP	300BHP	54.00	34.88	31.00	40.00	365
360B	360B	63.00	43.88	34.00	46.00	375
360BHP	360HP	63.00	39.68	34.00	46.00	375
420B	—	69.00	46.75	36.00	52.00	385
480B	—	75.00	49.13	39.00	58.00	490

Dampers and Roof Curbs

MODEL		DAMPER SIZE*	STANDARD CURB SIZE	SELF FLASH CURB SIZE	ROOF OPENING
BCRU	BCRUR				
110B	110B	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
120B	120B	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
140B	140B	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
160B	160B	18 x 18	22½ x 22½	23½ x 23½	18½ x 18½
180B	180B	24 x 24	28½ x 28½	29½ x 29½	24½ x 24½
210B	210B	28 x 28	32½ x 32½	33½ x 33½	28½ x 28½
240B	240B	28 x 28	32½ x 32½	33½ x 33½	28½ x 28½
300B	300B	34 x 34	38½ x 38½	39½ x 39½	34½ x 34½
360B	360B	40 x 40	44½ x 44½	45½ x 45½	40½ x 40½
420B	—	46 x 46	50½ x 50½	51½ x 51½	46½ x 46½
480B	—	50 x 50	56½ x 56½	57½ x 57½	50½ x 50½

*BCRU Only

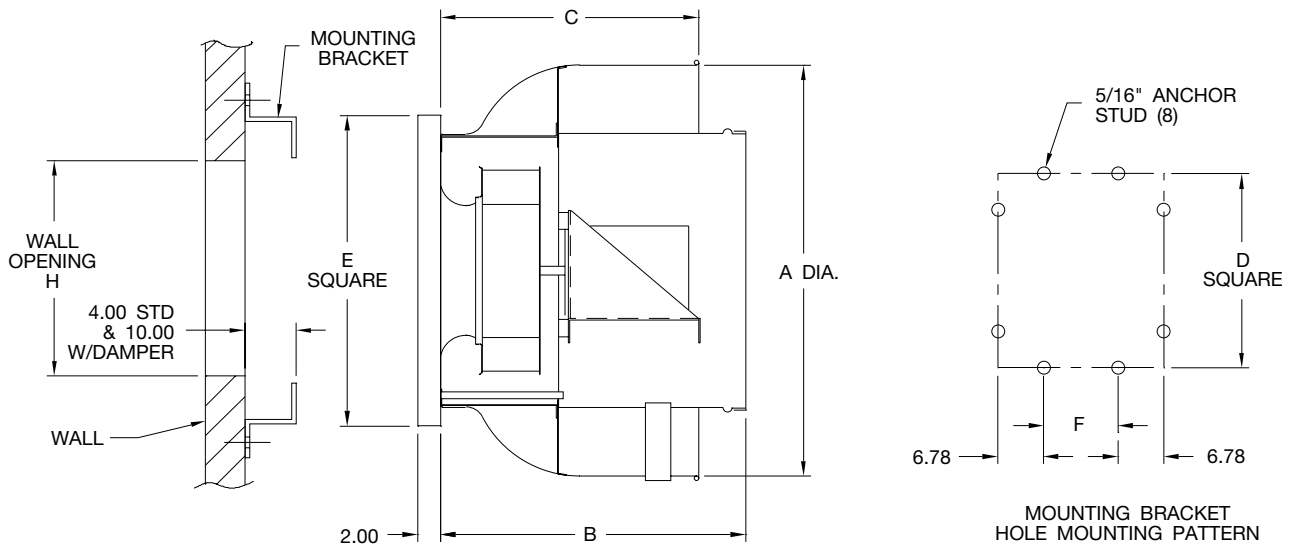
D-4401H
D-4402H

Notes:

1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.
4. BCRUR (Kitchen Exhaust) provided with self flashing, vented, 12" high curb, built to 'standard' curb size dimensions above.



Models DCRW, DCRWR



* Damper not available on DCRWR.

Dimensional Data and Weights

MODEL		A	B	C	D	E	F	AVG. UNIT WT. (LB.)	DAMPER SIZE*	WALL MTG. BRACKET	WALL OPENING (H)
EC MTR	PSC MTR										
073BE	071-073B	22.00	24.44	18.00	18.56	17.00	5.00	100	10 x 10	16 ³ / ₄ x 16 ³ / ₄	10 ¹ / ₂ x 10 ¹ / ₂
083BE	081-083B	22.00	24.44	18.00	18.56	17.00	5.00	100	10 x 10	16 ³ / ₄ x 16 ³ / ₄	10 ¹ / ₂ x 10 ¹ / ₂
093BE	091-093B	22.00	26.13	18.00	21.56	20.00	8.00	120	14 x 14	19 ³ / ₄ x 19 ³ / ₄	14 ¹ / ₂ x 14 ¹ / ₂
110BE	110B	30.00	28.31	28.00	25.56	24.00	12.00	135	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
120BE	120B	30.00	27.19	28.00	25.56	24.00	12.00	135	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
140BE	140B	30.00	27.68	28.00	25.56	24.00	12.00	145	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
160BE	160B	30.00	29.81	28.00	25.56	24.00	12.00	180	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
180BE	180B	36.00	29.17	30.00	31.56	30.00	18.00	180	24 x 24	29 ³ / ₄ x 29 ³ / ₄	24 ¹ / ₂ x 24 ¹ / ₂

*DCRW Only

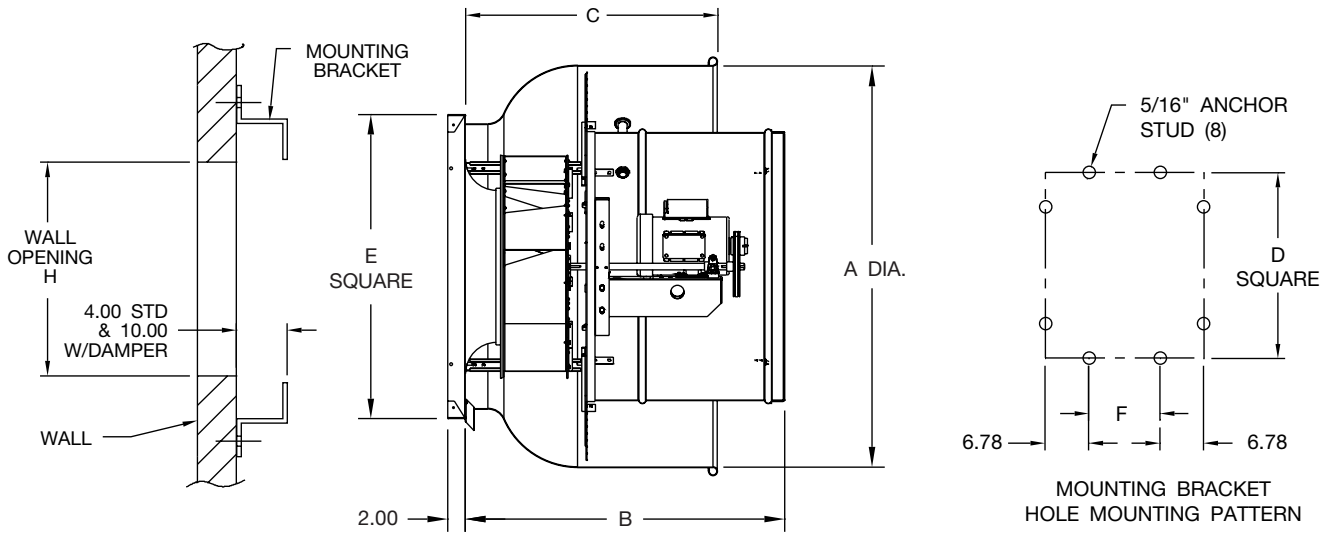
D-4409H
D-4410F

Notes:

1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.



Models BCRW, BCRWR



* Damper not available on BCRWR.

Dimensional Data and Weights

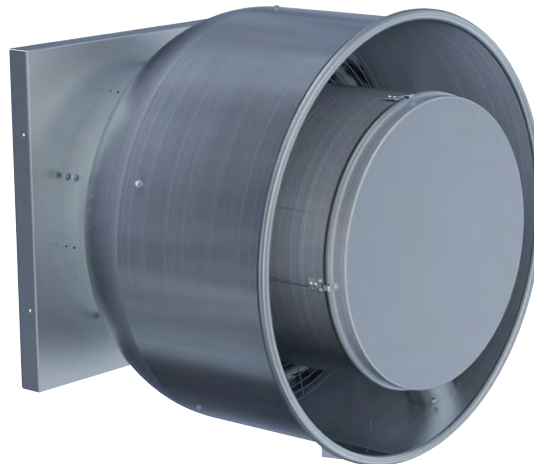
MODEL		A	B MAX.	C	D	E	F	AVG. UNIT WT. (LB.)	DAMPER SIZE*	WALL MTG. BRACKET	WALL OPENING (H)
BCRW	BCRWR										
110B	110B	30.00	28.56	28.00	25.56	24.00	12.00	135	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
120B	120B	30.00	27.19	28.00	25.56	24.00	12.00	135	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
140B	140B	30.00	28.56	28.00	25.56	24.00	12.00	145	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
160B	160B	30.00	29.81	28.00	25.56	24.00	12.00	180	17 x 17	23 ³ / ₄ x 23 ³ / ₄	17 ¹ / ₂ x 17 ¹ / ₂
180B	180B	36.00	32.31	30.00	31.56	30.00	18.00	180	24 x 24	29 ³ / ₄ x 29 ³ / ₄	24 ¹ / ₂ x 24 ¹ / ₂
210B	210B	45.00	35.61	28.25	35.56	34.00	22.00	245	27 x 27	33 ³ / ₄ x 33 ³ / ₄	27 ¹ / ₂ x 27 ¹ / ₂
240B	240B	45.00	37.56	28.25	35.56	34.00	22.00	245	27 x 27	33 ³ / ₄ x 33 ³ / ₄	27 ¹ / ₂ x 27 ¹ / ₂
300B	300B	54.00	38.25	31.00	41.56	40.00	28.00	365	33 x 33	39 ³ / ₄ x 39 ³ / ₄	33 ¹ / ₂ x 33 ¹ / ₂

*BCRW Only

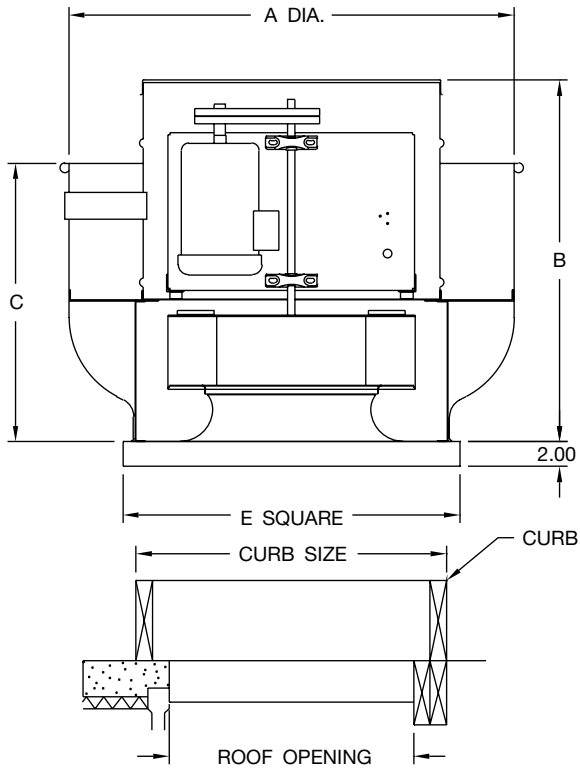
D-4403L
D-4406G

Notes:

1. All dimensions are in inches unless otherwise noted.
2. Dimensions are not to be used for construction.
3. Damper sizes are nominal.



Model BCRUSH



Dimensional Data and Weights

MODEL BCRUSH	A	B MAX.	C	E	AVG. UNIT WT. (LB.)
110B	30.00	28.56	28.00	24.00	153
120B	30.00	27.19	28.00	24.00	158
140B	30.00	28.56	28.00	24.00	173
160B	30.00	29.81	28.00	24.00	183
180B	36.00	32.31	30.00	30.00	223
210B	45.00	35.61	28.25	34.00	252
240B	45.00	37.56	28.25	34.00	272
300B	54.00	38.25	31.00	40.00	437
360B	63.00	43.88	34.00	46.00	629
420B	69.00	46.75	36.00	52.00	647
480B	75.00	49.13	39.00	58.00	823

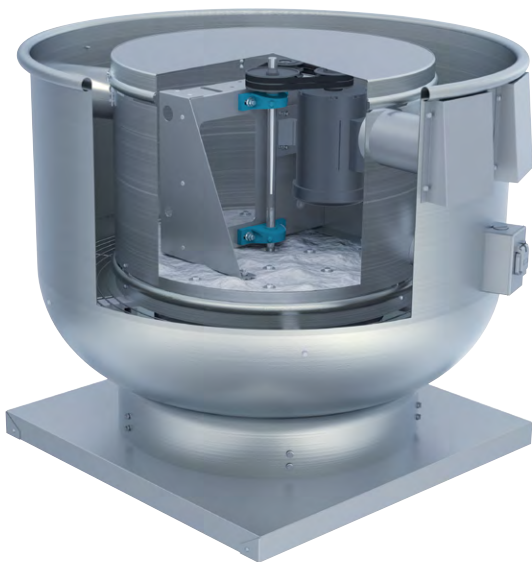
Dampers and Roof Curbs

MODEL BCRUSH	STANDARD CURB SIZE	ROOF OPENING
110B	22½ x 22½	18½ x 18½
120B	22½ x 22½	18½ x 18½
140B	22½ x 22½	18½ x 18½
160B	22½ x 22½	18½ x 18½
180B	28½ x 28½	24½ x 24½
210B	32½ x 32½	28½ x 28½
240B	32½ x 32½	28½ x 28½
300B	38½ x 38½	34½ x 34½
360B	44½ x 44½	40½ x 40½
420B	50½ x 50½	46½ x 46½
480B	56½ x 56½	50½ x 50½

D-4401-1E

Notes:

1. Standard curb is self-flashing, vented.
2. All dimensions are in inches unless otherwise noted.
3. Dimensions are not to be used for construction.





Models

DCRU, DCRUR, DCRW, DCRWR

Roof and wall mounted exhaust fans shall be of the direct drive centrifugal type and shall be DCRU (upblast); DCRUR (upblast kitchen exhaust); DCRW (wall mount); and DCRWR (wall mount kitchen exhaust) as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models DCRU, and DCRW shall be cULus 705 listed. Models DCRUR and DCRWR shall be cULus 762 listed for the exhaust of grease-laden air.

CONSTRUCTION — Fans shall be constructed of aluminum for durability and appearance. Fan spinings shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the motor compartment. The curb base shall provide protection from weather. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification.

MOTOR ASSEMBLY — Motor assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors shall be mounted out of the exhaust airstream and shall have a cooling tube that provides air separate from the exhaust.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, constructed of aluminum and containing a matching inlet venturi for optimum unit performance. Wheels shall be statically and dynamically balanced.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase ODP motors shall contain thermal overload protection. All motors shall be cULus recognized. Motors for use with speed control shall provide good speed controllability without any objectionable noise.

DISCONNECT SWITCH — A NEMA 1 disconnect switch shall be supplied with wiring leading from the motor to the junction box on models DCRU and DCRW. A NEMA 3R disconnect switch shall be supplied with wiring leading from the motor to a junction box located outside of the motor compartment on models DCRUR and DCRWR.

FINISH AND COATING — Fans shall be constructed of aluminum. Optional coatings shall be available.

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, variable speed controller, NEMA 4 disconnect switch, 2-speed switch, firestat, aluminum bird screen, aluminum insect screen and special coatings shall be provided by Twin City Fan & Blower to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.





Models

BCRU, BCRUR, BCRW, BCRWR, BCRUSH

Roof and wall mounted exhaust fans shall be of the belt driven centrifugal type and shall be BCRU (upblast); BCRUR (upblast kitchen exhaust); BCRUSH (smoke and heat exhaust); BCRW (wall mount); and BCRWR (wall mount kitchen exhaust) as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Fans shall be tested in accordance with AMCA 210 and AMCA 300 test codes for air moving devices and shall be guaranteed by the manufacturer to deliver rated published performance levels. Fans shall be licensed to bear the AMCA certified ratings seal for both sound and air. Models BCRU, and BCRW shall be cULus 705 listed. Models BCRUR and BCRWR shall be cULus 762 listed for the exhaust of grease-laden air. Model BCRUSH shall be UL listed for Smoke Control Systems (500°F for 4 hours and 1000°F for 15 minutes).

CONSTRUCTION — Models BCRU, BCRUR, BCRW, BCRWR and BCRUSH shall be constructed of aluminum for durability and appearance. Fan spinnings shall have a rolled bead edge for rigidity. Units shall have a deep venturi inlet to prevent snow and rain entry into the building. The curb cap shall include prepunched mounting holes for ease of installation. A conduit chase constructed of electrical metallic tubing shall be provided to the motor compartment. The curb base shall provide protection from weather. Lifting lugs shall be provided inside the motor compartment for ease of handling and installation. Fans shall bear a permanently attached nameplate displaying model and serial number of the unit for future identification. Model BCRUSH shall have aluminum nameplate. Fiberglass insulation on model BCRUSH shall line the bottom of the motor compartment to protect motor and drive components from heat.

MOTOR AND DRIVE ASSEMBLY — Motor and drive assembly shall be mounted on vibration isolators to eliminate vibration and noise transmission into the ductwork. Motors and drives shall be mounted out of the exhaust airstream and shall have a cooling tube that provides air separate from the exhaust. Model BCRUSH shall have a minimum of three cooling tubes.

WHEEL — Fan wheels shall be of the centrifugal backward inclined type, containing a matching inlet venturi for optimum unit performance. Fan wheels on models BCRU, BCRUR, BCRW and BCRWR shall be constructed of aluminum. Fan wheels on model BCRUSH shall be constructed of steel. Wheels shall be statically and dynamically balanced.

SHAFT — Fan shafts shall be precision-ground and polished. Shafts shall have a first critical speed of at least 125% of the fan's maximum operating speed.

BEARINGS — Bearings shall be of the one-piece, pillow block type with relubricable zerk fittings. Bearings shall be designed for air handling service with a minimum L-10 life in excess of 100,000 hours; L-50 500,000 hours at the maximum cataloged operating speed. Bearing mounting plate shall have self-aligning tabs for exact locating and alignment of bearings.

DRIVE — Drive assembly shall be constructed of heavy-gauge galvanized steel. Drives shall be sized for a minimum of 150% of driven horsepower. Machined, cast iron motor sheaves shall be adjustable for final system balance. Model BCRUSH shall have 2-groove drives.

MOTOR — Motors shall be heavy-duty ball bearing type, closely matched to the fan load. All single-phase ODP motors shall contain thermal overload protection. All motors shall be cULus recognized. Motor adjustment shall allow precise belt tensioning for optimum belt life and one-person adjustment and servicing.

DISCONNECT SWITCH — A NEMA 1 disconnect switch shall be supplied with wiring leading from the motor to the junction box on models BCRU and BCRW. A NEMA 3R disconnect switch shall be supplied with wiring leading from the motor to a junction box located outside of the motor compartment on models BCRUR, BCRWR and BCRUSH.

FINISH AND COATING — Models BCRU, BCRUR, BCRW, BCRWR and BCRUSH shall be constructed of aluminum. Optional coatings shall be available.

ACCESSORIES — When specified, accessories such as backdraft damper, roof curb, curb hinge, retaining chain, security hasp, NEMA 4 disconnect switch, 2-speed switch, firestat, steel premium grease fan construction, aluminum bird screen, aluminum insect screen and special coatings shall be provided by Twin City Fan & Blower to maintain one source responsibility.

FACTORY RUN TEST — All fans prior to shipment shall be completely assembled and test run as a unit at operating speed or maximum RPM allowed for the particular construction type. Each wheel shall be statically and dynamically balanced in accordance with ANSI/AMCA 204-96 "Balance Quality and Vibration Levels for Fans" to Fan Application Category BV-3, Balance Quality Grade G6.3. Balance readings shall be taken by electronic type equipment in the axial, vertical, and horizontal directions on each of the bearings. Records shall be maintained and a written copy shall be available upon request.

GUARANTEE — The manufacturer shall guarantee the workmanship and materials for its roof and wall mounted centrifugal exhaust fans for at least one (1) year from startup or eighteen (18) months from shipment, whichever occurs first.

INDUSTRIAL PROCESS AND COMMERCIAL VENTILATION SYSTEMS

CENTRIFUGAL FANS | UTILITY SETS | PLENUM & PLUG FANS | INLINE CENTRIFUGAL FANS
MIXED FLOW FANS | TUBEAXIAL & VANEAXIAL FANS | PROPELLER WALL FANS | PROPELLER ROOF VENTILATORS
CENTRIFUGAL ROOF & WALL EXHAUSTERS | CEILING VENTILATORS | GRAVITY VENTILATORS | DUCT BLOWERS
RADIAL BLADED FANS | RADIAL TIP FANS | HIGH EFFICIENCY INDUSTRIAL FANS | PRESSURE BLOWERS
LABORATORY EXHAUST FANS | FILTERED SUPPLY FANS | MANCOOLERS | FIBERGLASS FANS | CUSTOM FANS



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