

Fans & Blowers

Twin City

Turning Air Into Solutions.



Canted



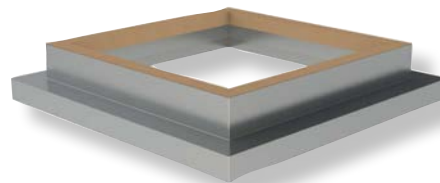
Self-Flashing



**Self-Flashing Vented
(Restaurant)**



Fiberglass Roof Curb



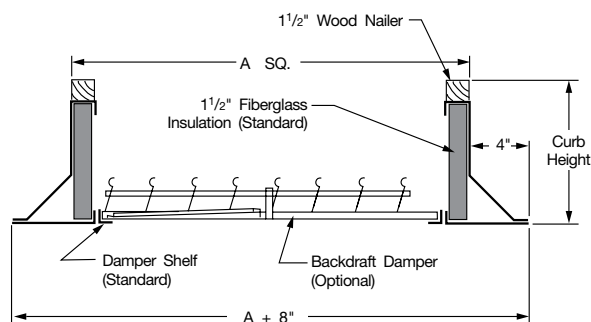
Curb Adapter



PREFABRICATED ROOF CURBS

CantedRoofCurb

Series RCPF



NOTES:

1. Curbs are sized 1 1/2" less than fan base to allow 3/4" each side for flashing material and clearance.
2. Inside of curb is 3" less than Dimension "A".
3. For aluminum curb substitute RCPFAI in place of RCPFGI.
4. When using a motor operated damper in the curb, a 12"-high (minimum) curb is required.

Features

- 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 (1 1/2") secured to top ledge
- Lined with 1 1/2" 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"

MODEL	FAN		ROOF CURB DIM. A (SQ)	PART NUMBER		
	SIZE	BASE I.D.		8" HIGH CURB	12" HIGH CURB	18" HIGH CURB
BCRFS	090	24 x 24	22.5 x 22.5	RC22508PFGI	RC22512PFGI	RC22518PFGI
	100	30 x 30	28.5 x 28.5	RC28508PFGI	RC28512PFGI	RC28518PFGI
	120, 150	34 x 34	32.5 x 32.5	RC32508PFGI	RC32512PFGI	RC32518PFGI
	180	40 x 40	38.5 x 38.5	RC38508PFGI	RC38512PFGI	RC38518PFGI
	200	46 x 46	44.5 x 44.5	RC44508PFGI	RC44512PFGI	RC44518PFGI
	220	54 x 54	52.5 x 52.5	RC52508SFGI	RC52512SFGI	RC52518SFGI
BCRD & BCRD-E (thru size 240)	70, 75, 85	17 x 17	15.5 x 15.5	RC15508PFGI	RC15512PFGI	RC15518PFGI
	100, 120	20 x 20	18.5 x 18.5	RC18508PFGI	RC18512PFGI	RC18518PFGI
	140	24 x 24	22.5 x 22.5	RC22508PFGI	RC22512PFGI	RC22518PFGI
	160	26 x 26	24.5 x 24.5	RC24508PFGI	RC24512PFGI	RC24518PFGI
	180, 210	30 x 30	28.5 x 28.5	RC28508PFGI	RC28512PFGI	RC28518PFGI
	240	34 x 34	32.5 x 32.5	RC32508PFGI	RC32512PFGI	RC32518PFGI
	300	40 x 40	38.5 x 38.5	RC38508PFGI	RC38512PFGI	RC38518PFGI
	360	46 x 46	44.5 x 44.5	RC44508PFGI	RC44512PFGI	RC44518PFGI
BCRU	420	52 x 52	50.5 x 50.5	RC50508PFGI	RC50512PFGI	RC50518PFGI
	480	58 x 58	56.5 x 56.5	RC56508PFGI	RC56512PFGI	RC56518PFGI
	110, 120	24 x 24	22.5 x 22.5	RC22508PFGI	RC22512PFGI	RC22518PFGI
	140, 160					
	180	30 x 30	28.5 x 28.5	RC28508PFGI	RC28512PFGI	RC28518PFGI
	210, 240	34 x 34	32.5 x 32.5	RC32508PFGI	RC32512PFGI	RC32518PFGI
DCRD	300	40 x 40	38.5 x 38.5	RC38508PFGI	RC38512PFGI	RC38518PFGI
	360	46 x 46	44.5 x 44.5	RC44508PFGI	RC44512PFGI	RC44518PFGI
	420	52 x 52	50.5 x 50.5	RC50508PFGI	RC50512PFGI	RC50518PFGI
	480	58 x 58	56.5 x 56.5	RC56508PFGI	RC56512PFGI	RC56518PFGI
	60 - 100	17 x 17	15.5 x 15.5	RC15508PFGI	RC15512PFGI	RC15518PFGI
	120	20 x 20	18.5 x 18.5	RC18508PFGI	RC18512PFGI	RC18518PFGI
DCRU	130, 140	24 x 24	22.5 x 22.5	RC22508PFGI	RC22512PFGI	RC22518PFGI
	150, 160					
	170, 180	30 x 30	28.5 x 28.5	RC28508PFGI	RC28512PFGI	RC28518PFGI
	71 - 83	17 x 17	15.5 x 15.5	RC15508PFGI	RC15512PFGI	RC15518PFGI
	91 - 93	20 x 20	18.5 x 18.5	RC18508PFGI	RC18512PFGI	RC18518PFGI
	110, 120	24 x 24	22.5 x 22.5	RC22508PFGI	RC22512PFGI	RC22518PFGI
GRV	140, 160					
	180	30 x 30	28.5 x 28.5	RC28508PFGI	RC28512PFGI	RC28518PFGI
	90	16.5 x 16.5	15 x 15	RC15008PFGI	RC15012PFGI	RC15018PFGI
	120, 160	24 x 24	22.5 x 22.5	RC22508PFGI	RC22512PFGI	RC22518PFGI
	180, 210	29.5 x 29.5	28 x 28	RC28008PFGI	RC28012PFGI	RC28018PFGI
	240, 270	35.5 x 35.5	34 x 34	RC34008PFGI	RC34012PFGI	RC34018PFGI
	300, 320, 360	42.5 x 42.5	41 x 41	RC41008PFGI	RC41012PFGI	RC41018PFGI
	420	52 x 52	50.5 x 50.5	RC50508PFGI	RC50512PFGI	RC50518PFGI
	480	58 x 58	56.5 x 56.5	RC56508PFGI	RC56512PFGI	RC56518PFGI

DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.

Series RCSF

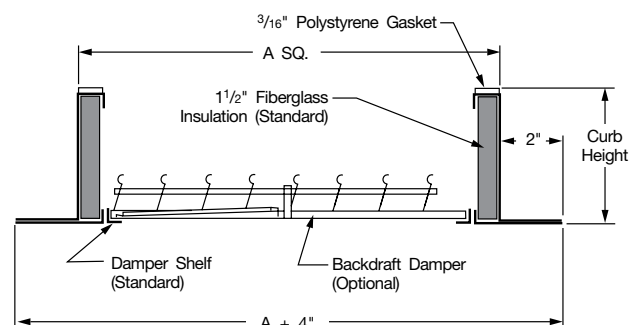
Features

- Constructed of 18-gauge galvanized steel with continuous welded seams
- Wide base plate (flashing) to insure watertight bond to roof
- Top ledge covered with $\frac{3}{16}$ " polystyrene gasket for weather seal and to reduce metal-to-metal conducted noise
- Lined with $1\frac{1}{2}$ " 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 ($1\frac{1}{2}$ ") secured to top ledge in lieu of polystyrene gasket
- Single or double pitched curbs for sloping roofs

Self-Flashing Roof Curb



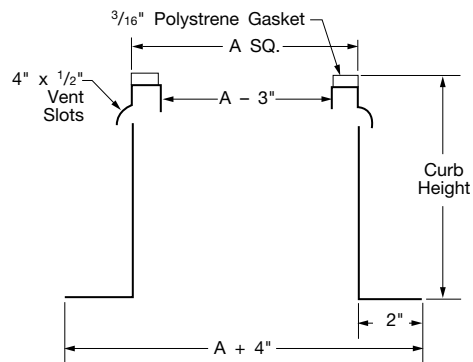
NOTES:

1. Curbs are sized $\frac{1}{2}$ " less than fan base to allow $\frac{1}{4}$ " each side for clearance.
2. Inside of curb is 3" less than Dimension "A".
3. For aluminum curb substitute RCSFAl in place of RCSFGI.
4. When using a motor operated damper in the curb, a 12"-high (minimum) curb is required.

MODEL	FAN		ROOF CURB DIM. A (SQ)	PART NUMBER		
	SIZE	BASE I.D.		8" HIGH CURB	12" HIGH CURB	18" HIGH CURB
BCRFS	090	24 x 24	23 x 23	RC23008SFGI	RC23012SFGI	RC23018SFGI
	100	30 x 30	29 x 29	RC29008SFGI	RC29012SFGI	RC29018SFGI
	120, 150	34 x 34	33 x 33	RC33008SFGI	RC33012SFGI	RC33018SFGI
	180	40 x 40	39 x 39	RC39008SFGI	RC39012SFGI	RC39018SFGI
	200	46 x 46	45 x 45	RC45008SFGI	RC45012SFGI	RC45018SFGI
	220	54 x 54	53 x 53	RC53008SFGI	RC53012SFGI	RC53018SFGI
BCRD & BCRD-E (thru size 240)	70, 75, 85	17 x 17	16.5 x 16.5	RC16508SFGI	RC16512SFGI	RC16518SFGI
	100, 120	20 x 20	19.5 x 19.5	RC19508SFGI	RC19512SFGI	RC19518SFGI
	140	24 x 24	23.5 x 23.5	RC23508SFGI	RC23512SFGI	RC23518SFGI
	160	26 x 26	25.5 x 25.5	RC25508SFGI	RC25512SFGI	RC25518SFGI
	180, 210	30 x 30	29.5 x 29.5	RC29508SFGI	RC29512SFGI	RC29518SFGI
	240	34 x 34	33.5 x 33.5	RC33508SFGI	RC33512SFGI	RC33518SFGI
	300	40 x 40	39.5 x 39.5	RC39508SFGI	RC39512SFGI	RC39518SFGI
	360	46 x 46	45.5 x 45.5	RC45508SFGI	RC45512SFGI	RC45518SFGI
	420	52 x 52	51.5 x 51.5	RC51508SFGI	RC51512SFGI	RC51518SFGI
BCRU	480	58 x 58	57.5 x 57.5	RC57508SFGI	RC57512SFGI	RC57518SFGI
	110, 120	24 x 24	23.5 x 23.5	RC23508SFGI	RC23512SFGI	RC23518SFGI
	140, 160					
	180	30 x 30	29.5 x 29.5	RC29508SFGI	RC29512SFGI	RC29518SFGI
	210, 240	34 x 34	33.5 x 33.5	RC33508SFGI	RC33512SFGI	RC33518SFGI
	300	40 x 40	39.5 x 39.5	RC39508SFGI	RC39512SFGI	RC39518SFGI
	360	46 x 46	45.5 x 45.5	RC45508SFGI	RC45512SFGI	RC45518SFGI
	420	52 x 52	51.5 x 51.5	RC51508SFGI	RC51512SFGI	RC51518SFGI
DCRD	480	58 x 58	57.5 x 57.5	RC57508SFGI	RC57512SFGI	RC57518SFGI
	60 - 100	17 x 17	16.5 x 16.5	RC16508SFGI	RC16512SFGI	RC16518SFGI
	120	20 x 20	19.5 x 19.5	RC19508SFGI	RC19512SFGI	RC19518SFGI
	130, 140	24 x 24	23.5 x 23.5	RC23508SFGI	RC23512SFGI	RC23518SFGI
	150, 160					
DCRU	170, 180	30 x 30	29.5 x 29.5	RC29508SFGI	RC29512SFGI	RC29518SFGI
	71 - 83	17 x 17	16.5 x 16.5	RC16508SFGI	RC16512SFGI	RC16518SFGI
	91 - 93	20 x 20	19.5 x 19.5	RC19508SFGI	RC19512SFGI	RC19518SFGI
	110, 120	24 x 24	23.5 x 23.5	RC23508SFGI	RC23512SFGI	RC23518SFGI
	140, 160					
GRV	180	30 x 30	29.5 x 29.5	RC29508SFGI	RC29512SFGI	RC29518SFGI
	90	16.5 x 16.5	16 x 16	RC16008SFGI	RC16012SFGI	RC16018SFGI
	120, 160	24 x 24	23.5 x 23.5	RC23508SFGI	RC23512SFGI	RC23518SFGI
	180, 210	29.5 x 29.5	29 x 29	RC29008SFGI	RC29012SFGI	RC29018SFGI
	240, 270	35.5 x 35.5	35 x 35	RC35008SFGI	RC35012SFGI	RC35018SFGI
	300, 320, 360	42.5 x 42.5	42 x 42	RC42008SFGI	RC42012SFGI	RC42018SFGI
	420	52 x 52	51.5 x 51.5	RC51508SFGI	RC51512SFGI	RC51518SFGI
	480	58 x 58	57.5 x 57.5	RC57508SFGI	RC57512SFGI	RC57518SFGI

DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.

For Use on Roof Mounted Restaurant Exhaust Fans



NOTES:

1. Curbs are sized 1 1/2" less than fan base to allow 3/4" clearance on each side for curb hinge (if required).

Features

- Completely assembled unit, easier to install and less expensive than a field constructed curb
- Constructed of 18-gauge galvanized steel with continuous welded seams with wide base flashing for weathertight seal to roof
- Meets NFPA-96 code requirements
- Top ledge covered with 3/16" polystyrene gasket
- Furnished with ventilation slots

MODEL	FAN		ROOF CURB DIM. A (SQ)	PART NUMBER	
	SIZE	BASE I.D.		12" HIGH CURB	18" HIGH CURB
BCRUR	110	24 x 24	22.5 x 22.5	RC22512SFVG	RC22518SFVG
	120				
	140				
	160				
	180	30 x 30	28.5 x 28.5	RC28512SFVG	RC28518SFVG
	210				
	240	34 x 34	32.5 x 32.5	RC32512SFVG	RC32518SFVG
	300				
DCRUR	360	46 x 46	44.5 x 44.5	RC44512SFVG	RC44518SFVG
	071-073	17 x 17	15.5 x 15.5	RC15512SFVG	RC15518SFVG
	081-083				
	091-093	20 x 20	18.5 x 18.5	RC18512SFVG	RC18518SFVG
	110	24 x 24	22.5 x 22.5	RC22512SFVG	RC22518SFVG
	120				
	140				
	160				
	180	30 x 30	28.5 x 28.5	RC28512SFVG	RC28518SFVG

DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.

Series RCSA

SoundAttenuatingRoofCurb

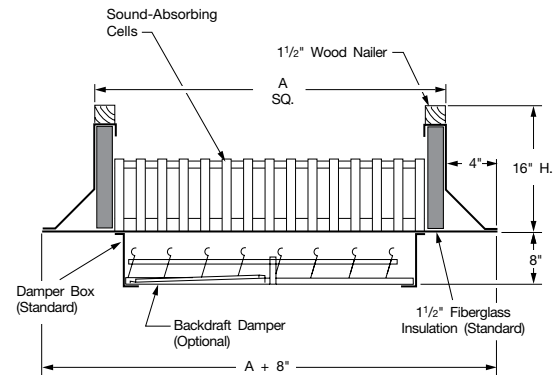
A special sound-absorbing curb designed for use with power roof ventilators where exceptionally quiet operation is required.

Features

- Reduces the roof fan noise transmitted into building. Typical performance of sound attenuating curb will result in a 40% reduction of sone value with a 7% loss in CFM
- Designed with streamlined airflow passages using a core of modular type sound-absorbing cells of special fiberglass held in a galvanized steel frame
- Constructed of 18-gauge galvanized steel with continuous welded seams
- Large 3" built-in 45° cant to accommodate roofing material to top of curb
- Wood nailer (1½") secured to top ledge
- Lined with 1½" fiberglass fire-resistant, sound-absorbing insulation
- Damper box

Options

- Aluminum (16-gauge) construction
- Also available in self-flashing or raised cant design



NOTES:

1. Curbs are sized 1½" less than fan base to allow ¾" each side for flashing material and clearance.
2. For aluminum curb substitute **RCSAAl** in place of **RCSAGI**.

MODEL	FAN		ROOF CURB DIM. A (SQ)	PART NUMBER 16" HIGH CURB
	SIZE	BASE I.D.		
BCRD	70, 75, 85	17 x 17	15.5 x 15.5	RC15516SAGI
	100, 120	20 x 20	18.5 x 18.5	RC18516SAGI
	140	24 x 24	22.5 x 22.5	RC22516SAGI
	160	26 x 26	24.5 x 24.5	RC24516SAGI
	180, 210	30 x 30	28.5 x 28.5	RC28516SAGI
	240	34 x 34	32.5 x 32.5	RC32516SAGI
	300	40 x 40	38.5 x 38.5	RC38516SAGI
	360	46 x 46	44.5 x 44.5	RC44516SAGI
	420	52 x 52	50.5 x 50.5	RC50516SAGI
	480	58 x 58	56.5 x 56.5	RC56516SAGI
BCRD-E	70, 75, 85	17 x 17	15.5 x 15.5	RC15516SAGI
	100, 120	20 x 20	18.5 x 18.5	RC18516SAGI
	140	24 x 24	22.5 x 22.5	RC22516SAGI
	160	26 x 26	24.5 x 24.5	RC24516SAGI
	180, 210	30 x 30	28.5 x 28.5	RC28516SAGI
	240	34 x 34	32.5 x 32.5	RC32516SAGI
BCRU	110, 120	24 x 24	22.5 x 22.5	RC22516SAGI
	140, 160			
	180	30 x 30	28.5 x 28.5	RC28516SAGI
	210, 240	34 x 34	32.5 x 32.5	RC32516SAGI
	300	40 x 40	38.5 x 38.5	RC38516SAGI
	360	46 x 46	44.5 x 44.5	RC44516SAGI
	420	52 x 52	50.5 x 50.5	RC50516SAGI
	480	58 x 58	56.5 x 56.5	RC56516SAGI
DCRD	60 - 100	17 x 17	15.5 x 15.5	RC15516SAGI
	120	20 x 20	18.5 x 18.5	RC18516SAGI
	130, 140	24 x 24	22.5 x 22.5	RC22516SAGI
	150, 160			
	170, 180	30 x 30	28.5 x 28.5	RC28516SAGI
DCRU	71 - 83	17 x 17	15.5 x 15.5	RC15516SAGI
	91 - 93	20 x 20	18.5 x 18.5	RC18516SAGI
	110, 120	24 x 24	22.5 x 22.5	RC22516SAGI
	140, 160			
	180	30 x 30	28.5 x 28.5	RC28516SAGI

DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.

Sound Curb Pressure Loss

VELOCITY FPM*	ΔP IN. W.G.
200	.01
400	.02
600	.04
800	.07
1000	.11
1200	.16
1500	.25
2000	.44

*Velocity through curb inlet.

RoofCurbAdapter

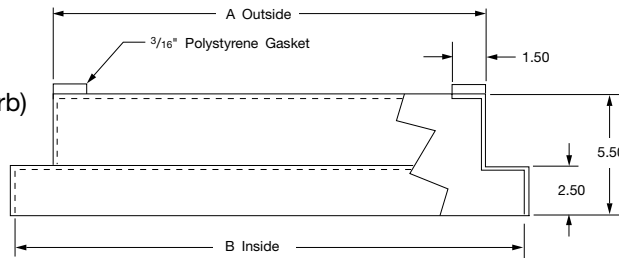
Series RCCA

Features

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

Style A

(For use with
oversize, existing curb)



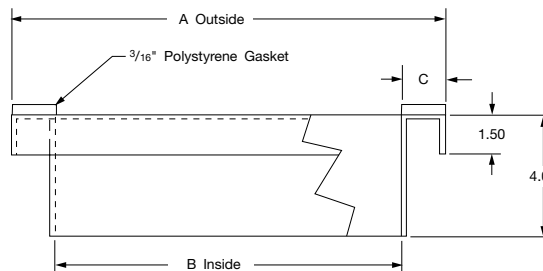
Recommended Sizing:

Dimension A = Fan Base (Cap)
Minus $\frac{1}{2}$ "

Dimension B = Roof Curb Outside
Dimension Plus $1\frac{1}{2}$ "

Style B

(For use with
smaller, existing curb)



Recommended Sizing:

Dimension A = Fan Base (Cap)
Minus $\frac{1}{2}$ "

Dimension B = Roof Curb Outside
Dimension Plus $\frac{1}{2}$ "

Dimension C = $(A - B) \div 2$

Note: Use of a large fan on a smaller, existing curb may cause an inlet obstruction and result in reduced fan performance.

DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.

RoofCurbExtension

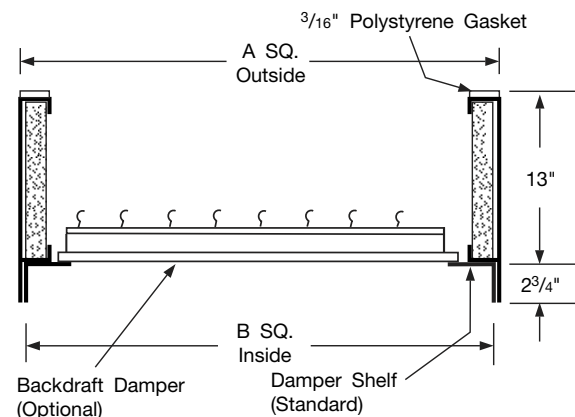
Series RCCE

Features

- Constructed of 18-gauge galvanized steel with continuous welded seams for water tightness and extra strength
- $\frac{3}{16}$ " polystyrene gasket on top ledge to reduce metal-to-metal conducted noise and act as a weather seal
- Lined with $1\frac{1}{2}$ " fiberglass fire resistant, sound absorbing insulation
- Built-in back draft damper shelf and removable access panel

Options

- Heights up to 24" (13" is standard)
- Vent slots (no insulation or damper shelf)



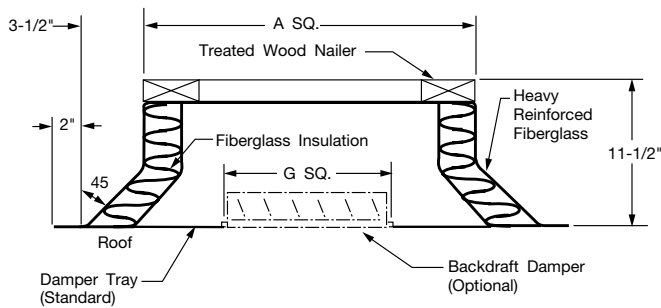
Recommended Sizing:

Dimension A = Fan Base Minus $\frac{1}{2}$ "

Dimension B = A Minus $\frac{1}{4}$ "

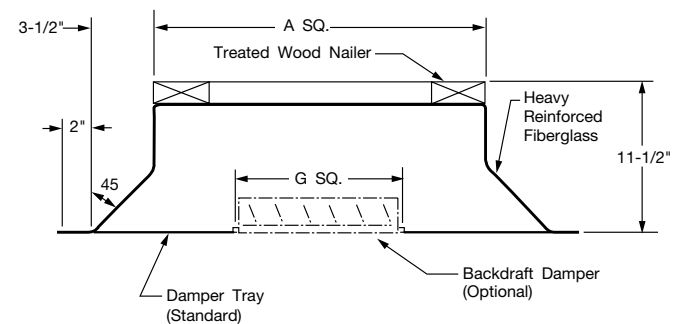
Fiberglass Roof Curbs

Series EF (w/insulation)



E12F — A 12" high, beige color, molded fiberglass, reinforced polyester resin, double shell, prefabricated roof curb with a 3 1/2" cant, corner gussets, 2" thick fiberglass insulation, and incorporating a treated 1 1/2" x 3 1/2" treated wood nailer and damper tray.

Series E



E12 — A 12" high, beige color, molded fiberglass, reinforced polyester resin, single shell, prefabricated roof curb with a 3 1/2" cant, corner gussets, and incorporating a treated 1 1/2" x 3 1/2" treated wood nailer and damper tray.

FAN / HOOD			ROOF CURB DIM. A (SQ)	12" HIGH CURB WITH INSULATION		12" HIGH CURB NON-INSULATED		G (SQ)	DAMPER SIZE WHEN REQ'D
MODEL	SIZE	BASE I.D.		PART NUMBER	APPROX. SHIP WT. (LB)	PART NUMBER	APPROX. SHIP WT. (LB)		
FA	7, 9	22 x 22	20 x 20	15025104	38	15025004	31	10.63	10 x 10
	10, 12, 14	26 x 26	24 x 24	15025105	46	15025005	38	14.63	14 x 14
	18	30 x 30	28 x 28	15025107	53	15025007	44	18.63	18 x 18
FAB	12, 14	26 x 26	24 x 24	15025105	46	15025005	38	14.63	14 x 14
	18	30 x 30	28 x 28	15025107	53	15025007	44	18.63	18 x 18
	24	37 x 37	36 x 36	15025109	68	15025009	56	24.63	24 x 24
	30	45 x 45	44 x 44	15025112	82	15025012	67	30.63	30 x 30
	36, 40	53 x 53	52 x 52	15025115	99	15025015	80	36.63	36 x 36
WA	7	17 x 17	16 x 16	15025102	31	15025002	26	6.63	6 x 6
	10, 12	21 x 21	20 x 20	15025104	38	15025004	31	10.63	10 x 10
	14	24.8 x 24.8	24 x 24	15025105	46	15025005	38	14.63	14 x 14
	18	29 x 29	28 x 28	15025107	53	15025007	44	18.63	18 x 18
WAB	14	24.8 x 24.8	24 x 24	15025105	46	15025005	38	14.63	14 x 14
	18	29 x 29	28 x 28	15025107	53	15025007	44	18.63	18 x 18
	24	37.5 x 37.5	36 x 36	15025109	68	15025009	56	24.63	24 x 24
	30	45.5 x 45.5	44 x 44	15025112	82	15025012	67	30.63	30 x 30
	36, 40	53 x 53	52 x 52	15025115	99	15025015	80	36.63	36 x 36
FR	1A, 1B	22 x 22	20 x 20	15025104	38	15025004	31	10.63	10 x 10
	2A, 2B	26 x 26	24 x 24	15025105	46	15025005	38	14.63	14 x 14
	3A, 3B	30 x 30	28 x 28	15025107	53	15025007	44	18.63	18 x 18
	4A, 4B	37 x 37	36 x 36	15025109	68	15025009	56	24.63	24 x 24
	5A, 5B	45 x 45	44 x 44	15025112	82	15025012	67	30.63	30 x 30
	6A	52.3 x 52.3	52 x 52	15025115	99	15025015	80	36.63	36 x 36
MA	6	15 x 15	14 x 14	15025101	28	15025001	24	4.63	4 x 4
	8	17 x 17	16 x 16	15025102	31	15025002	26	6.63	6 x 6
	10	19 x 19	18 x 18	15025103	34	15025003	28	8.63	8 x 8
	12	21 x 21	20 x 20	15025104	38	15025004	31	10.63	10 x 10
	15	24.3 x 24.3	24 x 24	15025105	46	15025005	38	14.63	14 x 14
	18	27 x 27	26 x 26	15025106	49	15025006	41	16.63	16 x 16
	20	29 x 29	28 x 28	15025107	53	15025007	44	18.63	18 x 18
	24	33 x 33	32 x 32	15025108	60	15025008	49	22.63	22 x 22
	30	39 x 39	38 x 38	15025110	72	15025010	59	28.63	28 x 28
	34	43 x 43	42 x 42	15025111	76	15025011	63	32.63	32 x 32
	36	45.5 x 45.5	44 x 44	15025112	82	15025012	67	34.63	34 x 34
	38	47.5 x 47.5	46 x 46	15025113	86	15025013	71	36.63	36 x 36
	42	51.5 x 51.5	50 x 50	15025114	92	15025014	75	40.63	40 x 40
	48	57.5 x 57.5	56 x 56	15025116	108	15025016	88	46.63	46 x 46
	54	63.5 x 63.5	62 x 62	15025117	119	15025017	96	52.63	52 x 52
	60	69.5 x 69.5	68 x 68	15025118	130	15025018	105	58.63	58 x 58

NOTE: Damper to have 1 1/2" flange.

Dimensions are not to be used for construction.

INDUSTRIAL & COMMERCIAL FANS

Centrifugal Fans | Utility Sets | Plenum & Plug Fans | Inline Centrifugal Fans

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