



COOK

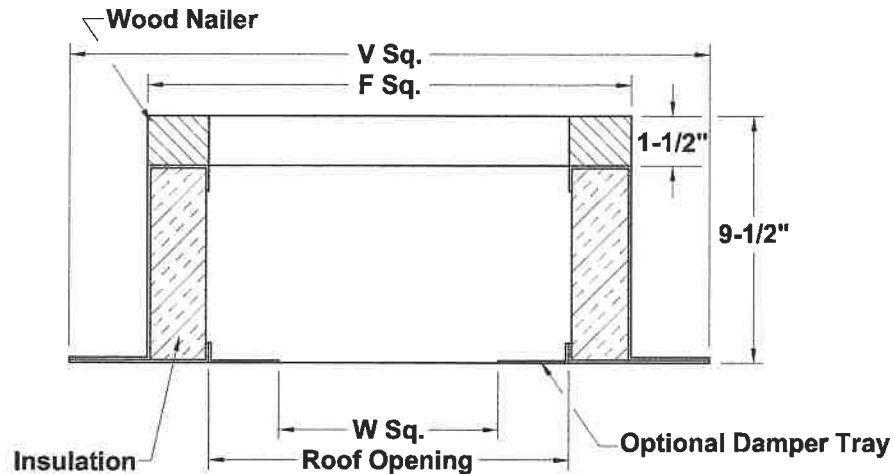
RCG/RCA

MARK: _____

PROJECT: _____

DATE: _____

**Galvanized Steel or Aluminum
Roof Curb**



STANDARD CONSTRUCTION FEATURES:

18 gauge galvanized steel or .080 aluminum - 1-1/2", 3 lbs. density
thermal and acoustical insulation - Continuously welded corners - Wood
nailer.

Options:

- 1) Damper tray
- 2) No wood nailer (deduct 1-1/2" for actual height)
- 3) 13-1/2" high

DIMENSION DATA

Qty	Mark	Centrifugal Units	Lo-Pro* Units	PR/TR Propeller Units	Econ Units	AI	UCV CVR Units	TCNU* UCIC* Units	ASP/ KSP Units	QMXU Units	Cat. No.		F Sq.	V Sq.	W Sq.	Roof Open.	Ship Wt.	
											Galv.	Alum.					Galv.	Alum.
		60,70	-	8	-	-	-	-	-	-	RCG-16	RCA-16	16-1/2	20-1/2	9-3/4	13-1/2	20	13
		80,90,100	-	12	-	31	12	-	-	90	RCG-18	RCA-18	18-1/2	22-1/2	11-3/4	15-1/2	22	15
		120,135	100	-	-	36	14,16	120	90	120	RCG-22	RCA-22	22-1/2	26-1/2	15-3/4	19-1/2	27	18
		150,165	120,135 150,165	-	-	41	-	-	-	135	RCG-24	RCA-24	24-1/2	28-1/2	17-3/4	21-1/2	30	20
		-	-	16	-	47	18,20	135	100	-	RCG-26	RCA-26	26-1/2	30-1/2	19-3/4	23-1/2	32	21
		180,195	180,195	-	-	-	-	150,165	-	150	RCG-28	RCA-28	28-1/2	32-1/2	21-3/4	25-1/2	34	22
		210,225,245	210,225	-	-	-	-	-	-	-	RCG-30	RCA-30	30-1/2	34-1/2	23-3/4	27-1/2	37	24
		-	-	20	-	54	24	-	120,150	-	RCG-33	RCA-33	33-1/2	37-1/2	26-3/4	30-1/2	40	27
		-	-	-	-	63	-	-	-	165	RCG-34	RCA-34	34-1/2	38-1/2	27-3/4	31-1/2	41	27
		270,300	245,270	24	-	28	180	180	-	-	RCG-35	RCA-35	35-1/2	39-1/2	28-3/4	32-1/2	43	27
		-	-	-	24	-	-	-	-	180	RCG-36	RCA-36	36-1/2	40-1/2	29-3/4	33-1/2	44	28
		-	-	-	-	-	195	-	-	-	RCG-38	RCA-38	38-1/2	42-1/2	31-3/4	35-1/2	46	31
		-	-	-	-	72	-	-	-	202	RCG-40	RCA-40	40-1/2	44-1/2	33-3/4	37-1/2	49	31
		330,365	300,330	30	-	32	210,225	-	-	-	RCG-41	RCA-41	41-1/2	45-1/2	34-3/4	38-1/2	50	32
		-	-	30	-	80	-	-	-	225	RCG-46	RCA-46	46-1/2	50-1/2	39-3/4	43-1/2	84	63
		402	365,402	36	-	90	36	245	200	-	RCG-47	RCA-47	47-1/2	51-1/2	40-3/4	44-1/2	85	65
		-	-	36	-	-	-	-	-	-	RCG-52	RCA-52	52-1/2	56-1/2	45-3/4	49-1/2	94	71
		445,490	-	42	-	103	-	-	-	-	RCG-53	RCA-53	53-1/2	57-1/2	46-3/4	50-1/2	96	72
		-	-	-	42	-	-	-	-	-	RCG-58	RCA-58	58-1/2	62-1/2	51-3/4	55-1/2	104	79
		-	-	48	-	113	-	-	-	-	RCG-59	RCA-59	59-1/2	63-1/2	52-3/4	56-1/2	106	80
		-	-	-	48	-	-	-	-	-	RCG-64	RCA-64	64-1/2	68-1/2	57-3/4	61-1/2	115	86
		540	-	54	-	123	-	-	-	-	RCG-65	RCA-65	65-1/2	69-1/2	58-3/4	62-1/2	116	88
		-	-	-	54	-	-	-	-	-	RCG-70	RCA-70	70-1/2	74-1/2	63-3/4	67-1/2	125	94
		-	-	60	-	140	-	-	-	-	RCG-82	RCA-82	82-1/2	86-1/2	75-3/4	79-1/2	146	109
		-	-	72	-	160	-	-	-	-								

* SEE SUBMITTAL RCGH FOR ADDITIONAL SIZES.
ALL DIMENSIONS IN INCHES. WEIGHTS IN LBS.

X0101R10

Description - Fan shall be a spun aluminum, roof mounted, belt driven, downblast centrifugal exhaust ventilator.

Certifications - Fan shall be manufactured at an ISO 9001 certified facility. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (cUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

Construction - Fan shall be of bolted and welded construction utilizing corrosion resistant fasteners. The spun aluminum structural components shall be constructed of minimum 16 gauge marine alloy aluminum, bolted to a rigid aluminum support structure. The aluminum base shall have continuously welded curb cap corners for maximum leak protection. The discharge baffle shall have a rolled bead for added strength. A two piece top cap shall have stainless steel quick release latches to provide access into the motor compartment without the use of tools. An integral conduit chase shall be provided through the curb cap and into the motor compartment to facilitate wiring connections. The motor, bearings and drives shall be mounted on a minimum 14 gauge steel power assembly, isolated from the unit structure with rubber vibration isolators. These components shall be enclosed in a weather-tight compartment, separated from the exhaust airstream. Lifting lugs shall be provided to help prevent damage from improper lifting. Unit shall bear an engraved aluminum nameplate. Nameplate shall indicate design CFM, static pressure and maximum fan RPM. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be centrifugal backward inclined, constructed of 100 percent aluminum, including a precision machined cast aluminum hub. Wheel inlet shall overlap an aerodynamic aluminum inlet cone to provide maximum performance and efficiency. Wheel shall be balanced in accordance with AMCA Standard 204-05, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be Nema design B with class B insulation rated for continuous duty and furnished at the specified voltage, phase and enclosure.

Bearings - Bearings shall be designed and individually tested specifically for use in air handling applications. Construction shall be heavy duty regreasable ball type in a cast iron pillowblock housing selected for a minimum L50 life in excess of 200,000 hours at maximum cataloged operating speed.

Belts and Drives - Belts shall be oil and heat resistant, non-static type. Drives shall be precision machined cast iron type, keyed and securely attached to the wheel and motor shafts. Drives shall be sized for 150 percent of the installed motor horsepower. The variable pitch motor drive must be factory set to the specified fan RPM.

Product - Fan shall be model ACEB as manufactured by Loren Cook Company of Springfield, Missouri.

Downblast Centrifugal Exhaust Ventilator Roof Mounted Belt Drive



Loren Cook Company certifies that the ACEB shown herein is 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.



Type ACEB is furnished standard with UL 705 and cUL 705 listings (Power Ventilator/ZACT) when furnished with factory supplied motor.

ACEB Dimension Data

Size	A	B	C	D	E Sq.	Roof Opening Square*	Ship. Wt.
60	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
70	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
80	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
100	2-7/8	23-9/16	21-1/8	2	18	13-1/2	30
120	1-13/16	28-7/16	26-7/8	2	20	15-1/2	55
135	2-3/16	28-7/16	27-1/4	2	20	15-1/2	60
150	3-1/16	32-7/8	28-7/8	2	24	19-1/2	70
165	3-9/16	32-7/8	29-3/8	2	24	19-1/2	75
180	3-15/16	37-11/16	34-1/2	3	30	25-1/2	90
195	4-7/16	37-11/16	35	3	30	25-1/2	100
210	4-3/4	43-5/8	37-1/4	3	30	25-1/2	200
225	4-7/8	43-5/8	37-3/8	3	30	25-1/2	220
245	6-1/8	47-5/8	39-7/8	3	30	25-1/2	240
270	6-1/8	47-5/8	39-7/8	3	36	31-1/2	260
300	7-1/16	52-5/8	49-1/16	3	36	31-1/2	300
330	7-5/16	52-5/8	49-5/16	3	42	37-1/2	365
365	8-1/16	62-5/8	51-9/16	3	42	37-1/2	380
402	10-1/16	62-5/8	53-9/16	3	48	43-1/2	440
445	9-3/4	75-3/16	57-1/16	3	54	49-1/2	500
490	11-1/2	75-3/16	58-13/16	3	54	49-1/2	650
540	12-1/2	81-15/16	60-5/16	3	66	61-1/2	858

All dimensions in inches. *Roof opening size for curbs supplied by Loren Cook Company only. Weights in pounds, less motor.

