



Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.

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Date: 9/1/2025

Return Request: 9/15/2025

Project: Hot Springs National Park – Rehabilitate Bathhouses – Maurice Bathhouse

Supplier: Powers of Arkansas

Manufacturer: Cook

Submittal: Power Ventilators (EF-1M)

Submittal Number: 233423.001

Spec Section: 233423

Drawing # and Installation Location: M1.4 and M4.0

ARCHITECT

Strata Architecture

1701 Oak Street, Suite 100

Kansas City, Missouri 64108

(816)474-0900

GENERAL CONTRACTOR

Tepa, LLC

2345 Grand Blvd, Suite 700

Kansas City, Missouri 64108

(816)708-1110

ENGINEER

IMEG Corp.

1600 Baltimore Street, Suite 300

Kansas City, Missouri 64108

(816)842-8437

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.

9924 Landers Road

North Little Rock, Arkansas 72117

(501)834-3320

Comments:

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CSUSA PROJECT NO.

25-7065

joe@comfortar.com

9924 Landers Road
No. LittleRock, AR 72117



SUBMITTAL

PRODUCT	Power Ventilators
SPECIFICATION	23-34-23
MANUFACTURER	Loren Cook
JOB NAME	Maurice Bathhouse Renovation
LOCATION	Hot Springs, AR
ENGINEER	IMEG Consultants Corp
CONTRACTOR	Comfort Systems (USA)
DATE	9/8/2025
SUBMITTED BY	Courtney Michael

5440 Northshore Drive - North Little Rock, Arkansas 72118 - Tel: 501.374.5420 Fax: 501.370.9298

NOTE: The centrifugal fan spec, nor the power ventilators spec specifically mentions "roof type" exhaust fans. The scheduled Loren Cook roof fan is a centrifugal fan, but is not a "room exhaust" or "inline" as listed in the specification. It will not have the accessories or construction listed in the specification.



COOK



MARK: EF-1M

PROJECT: RENOVATIONS TO BATHHOUSE - MAURICE

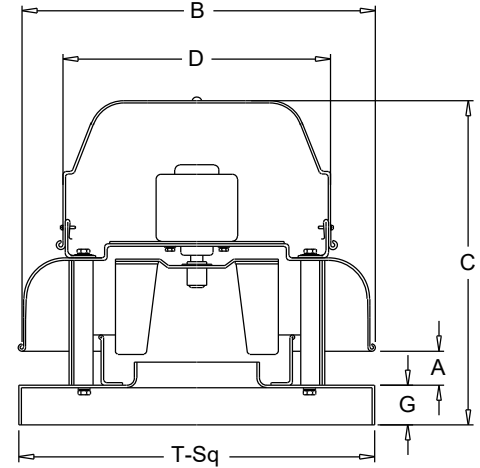
DATE: 9/1/2025

ACED-EC

**Downblast Centrifugal
Exhaust Ventilator
Roof Mounted/Direct Drive
Electronically Commutated Vari-Flow® Motor**

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches (sizes 101 - 135) - Welded curb cap corners - Birdscreen - Permanently lubricated ball bearing electronically commutated motor - Power rated in Input Watts - Corrosion resistant fasteners - Transit tested packaging.



Performance

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Input Watts	FEG	Speed Control
1	100C17DEC	375	.380	1277	60	n/a(<1HP)	EC

Altitude (ft): 266 Temperature (F): 70

Motor Information

HP	RPM	Volts/Ph/Hz	Enclosure
1/4	1725	115/1/60	OPEN -EC



Motor is electronically/thermally protected.

Sound Data Inlet Sound Power by Octave Band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
64	70	72	59	53	47	41	38	65	53	6.4

- Distance from Sound source 5 ft

Accessories:

EXTERNAL SIGNAL SPEED CONTROL
CTL & XFMR BY OTHERS
DISCONNECT NEMA 1 PRE-WIRED
ROOF CURB RCG 16 13.5H -C-T+N
ALUMINUM BIRDSCREEN

****Motorized backdraft dampers separately scheduled on mechanical sheets. These are submitted with the sheet metal contractors package. Typical for all fans.**

Please verify curb height

Dimensions (inches)

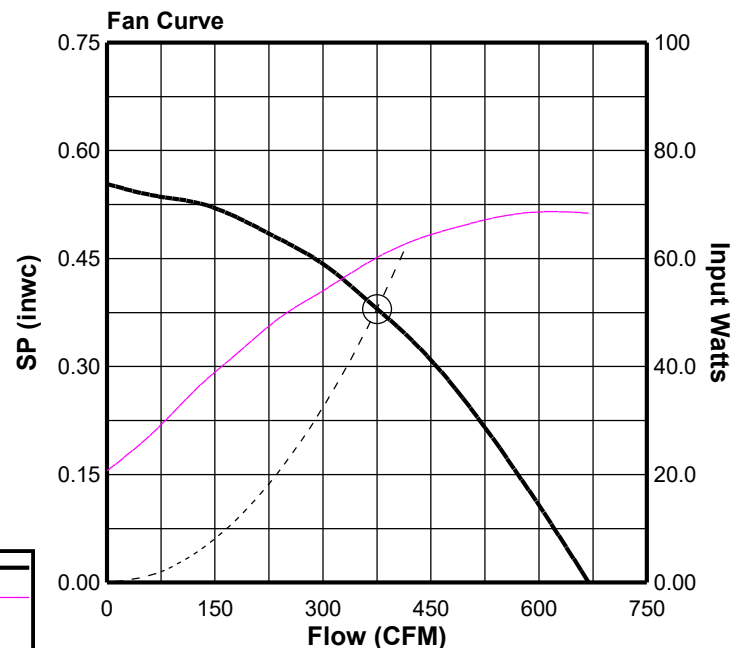
A	2-1/2
B O.D.	18-3/4
C	16-13/16
D O.D.	16-3/4
G	2
T Sq.	18
Roof Open. Sq.*	13-1/2

NOTE: Accessories may affect dimensions shown.

Weight(lbs)***	Shipping	59	Unit	51
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* Roof opening size for curbs supplied by Cook only.

***Includes fan, motor & accessories.



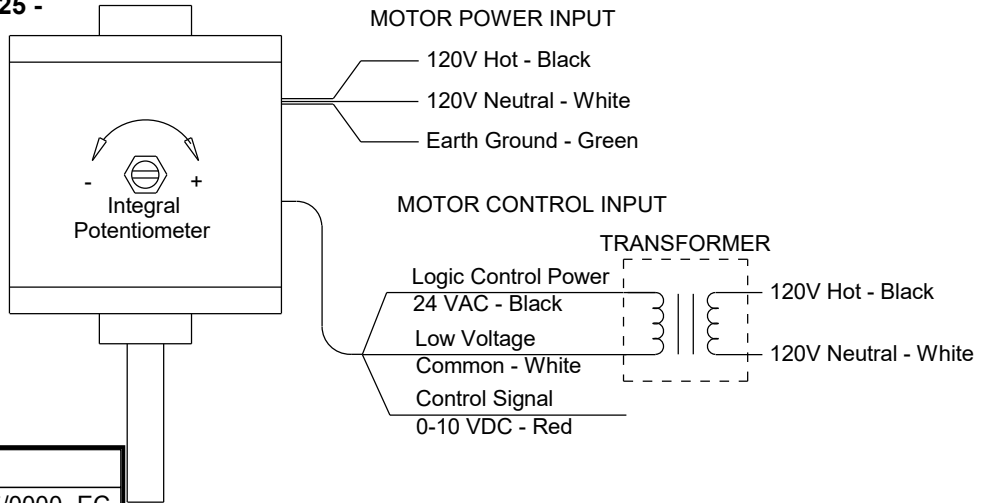


Speed Control

External Speed Control Electronically Commutated (EC) Motor Type M

STANDARD CONSTRUCTION FEATURES:

EC Motors are available in 1/4, 1/2, and 3/4 HP for 120V - Single phase applications have an adjustable speed range of 500 to 1725 - External signal speed control requires a 0-10 VDC control signal to adjust speed of the motor as well as a 24 VAC power source to operate the motor control circuit (a 24v transformer is included and shipped loose with the fan) - The motor will operate from 2-10 VDC and turns off when the control signal is below 1.9 VDC. Integral potentiometer must be set to full speed when using external speed control.



Dimensions (inches)

Mark	Qty	Description
EF-1M	1	OPEN -1/4HP - 115V/1 PH/ 60 1725/0000 -EC



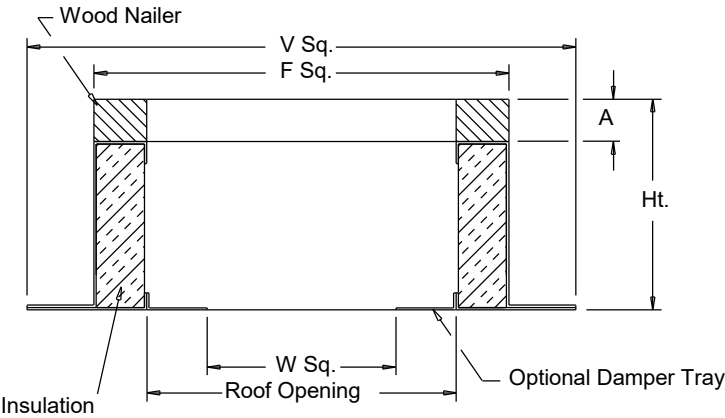
RCG

Galvanized Steel
Roof Curb

STANDARD CONSTRUCTION FEATURES:

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

- Options:(As noted below*)
- 1) No wood nailer (deduct 1-1/2" for actual height).
 - 2) Damper tray.
 - 3) Liner.
 - 4) Gasket on wood nailer.
 - 5) Lorenized coating.
 - 6) Enamel coating.
 - 7) Burglar bars.



Dimensions (inches)

Mark	Qty	Description	Ht	Options*	A	F Sq.	V Sq.	W Sq.	Roof Opening
EF-1M	1	RCG 16	13.5	-	1-1/2	16-1/2	20-1/2	9-3/4	13-1/2