





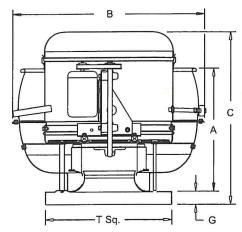
MARK: KEF-7 PROJECT Hard Rock Tower DATE: 3/6/2025

## VCR-XP

**Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive** 

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning -Welded curb cap corners - Lifting Lugs - Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging.



Performance (\*Bhp includes 4% drive loss)

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI
1	365VX11B	6250	2.25	875	3.72	67	1.26

Altitude (ft): 676 Temperature (F): 70

**Motor Information** 

HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated
5	1725	460/3/60	TEFC -PE	7.6	Yes	Yes

NEMA Premium® efficiency motor per MG-1 (2014) Table 12-12

FLA based on NEC (2017) Table 430.250

Charles Co. Co. Co.				_			
Sound	Data	Inlat	Sound	POWER	hv	Octave	Rand
Journa	Data	HILLER	Journa	LOME	L Y	Cottave	Duilu

1	2	3	4	5	6	7	8	LwA	dBA	Sones
84	87	85	80	77	76	72	66	84	72	22

<sup>-</sup> Distance from Sound source 5 ft

#### Accessories:

Premium Efficiency Motor (Min. 89.5%) DRIVES (1.5 SF) @ 875 RPM DISCONNECT NEMA 3 PRE-WIRED UL762 (327Y-300DEG) HINGED SUB BASE 42T KEYWAY GREASE TROUGH **BELT TENSIONR-ROTARY** 

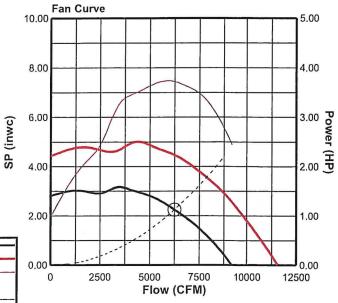
Ni	(inches)	ú
Dimensions	unches	ì
Dillicitations	(III ICI ICO	ı

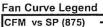
Α	36-3/8
В	64-1/4
С	44-1/4
G	3
T Sq.	42
Roof Open. Sq.*	37-1/2

NOTE: Accessories may affect dimensions shown

Weight(lbs)***	Shipping	568	Unit	359
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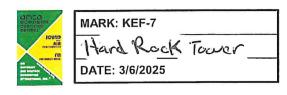
<sup>\*</sup>Roof opening size for curbs supplied by Cook only.
\*\*\*Includes fan, motor & accessories.





MaxRPM( 1100) CFM vs HP Point of Operation O System Curve



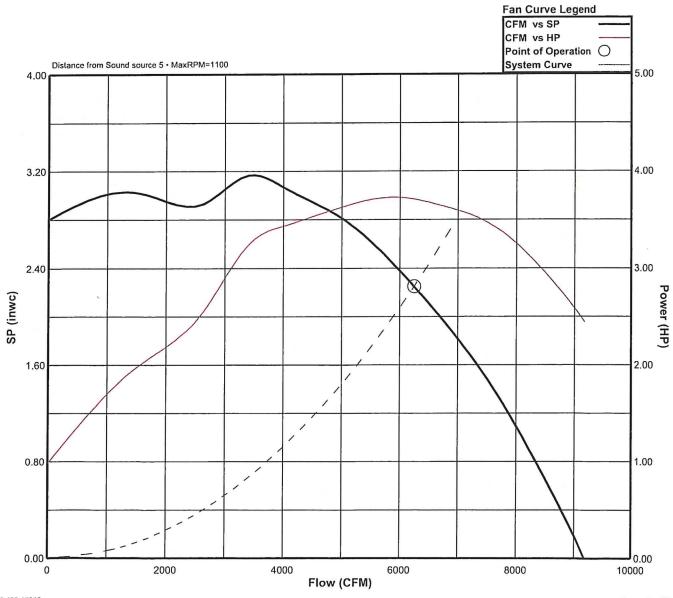


# VCR-XP

Performance (\*Bhp includes 4% drive loss)

Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG		OVEL (fpm)			Temp (°F)	
365VX11B	6250	2.25	875	3.72	67	1.26	638	8361	62%	70	676

1	2	3	4	5	6	7	8	LwA	dBA	Sones
84	87	85	80	77	76	72	66	84	72	22





PROJECT: Hard Rock Tower

DATE: 3/6/2025

OD Roof Curb
A I.D. —

**Heavy Duty Hinged Base** 

Centrifugal Roof Exhausters

Note:
To avoid injury, sub base must be secured to the curb.

Do Not Allow Roofing Material Above Flashing Roofing Material (by others)

Sub Base

Typical Flashing (by others) Standard Curb (not included)

Mark	Qty	Description	A I.D.	В	С	Cable	OD Curb	T.Sq.
KEF-7	1	HINGED SUB BASE 42T	41-3/8	3	7/16	63	40-1/2	42



PROJECT: Hard Rode Tower

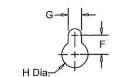
DATE: 3/6/2025

# **Grease Trough**

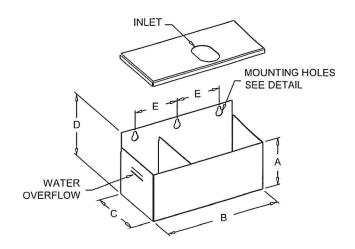
## **Keyway Mount**

## STANDARD CONSTRUCTION FEATURES:

All aluminum .063 construction - Continuously welded trough housing corners - Removable lid for servicing - Slotted mounting holes for easy removal - Baffled design for extended capacity.



MOUNTING HOLE DETAIL



Mark	Qty	Description	Α	В	С	D	E	F	G	H Dia.
KEF-7	1	KEYWAY GREASE TROUGH	5	12	6-1/16	6-1/2	4-1/2	1/2	3/8	11/16



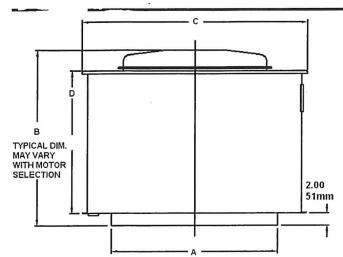
**TAG: EF-1,3** 

Project: CNE Hard Rock Buffel Kitchen Fans Location:Tulsa, OK

Acme Engineering and Manufacturing Corporation

P.O. Box 978, Muskogee, OK 74402

Print Date: 2/27/2025 1:23:14 PM



#### **PNURG**

#### Belt Drive Centrifugal Upblast Roof Exhauster (UL-762 Grease Rated)

#### **Standard Construction Features**

Vibration isolation

Restaurant applications

Conduit Post Through Windband Disconnect Switch - Weather Resistant Enclosure

Heavy gauge aluminum housing

Integral drain hole

Quick release hood latches

Aluminum curb cap

Backward inclined non-overloading aluminum wheel

Variable pitch drives designed for 1.5 Service Factor

2 Year Fan/Motor Warranty

#### **Options & Accessories**

Full Perimeter Hinged Base

699593 - PNU355-490 Roof Grease Trough With Adapter



**Elevation View** 

Α	В	С	D
46.00	44,10	65.75	41.00

**DIMENSIONS** (inches)

Rough Opening: 41.50 X 41.50

PNU355RG 3 Hp 460/ Three Phase/ 60 Hz/ TEFC 1 Speed NEMA Premium Efficiency - Table 12-12 Motor RPM: 1750 -- Full Perimeter Hinged Base PN: PNU355RG0192, FEI: 1.01, HP: 3.000, CFM: 4400, SP: 1.000, MAX RPM: 696

PERFORMANCE (Altitude = 0 ft, Temp = 68 Degrees F, Density = 0.075 lb/ft3)

Qty M	odel Siz	:e			Volun (cfm	10000	SP wg)	Power (bhp)	Speed (rpm)	TS (fpn		OV pm)	Weight (lbs)
2 P	NU355F	RG			4400	0 1.	000	1.731	786	751	1 1	995	584.00
F	Sound Pressure	)			Sound	Power	Octav	e Values			Static	Total	The sou sones a AMCA S
Sones*	LwA	dBA*	1	2	3	4	5	6	7	8	Eff	Eff	inlet her
15.7	78.9	67.4	74.0	74.3	70.1	71.3	72.3	74.1	71.5	61.9	40.10	50.00	applies i
*in fre	e space	@5 fee	€11.5 M	eters									000

The sound ralings shown are loudness values in hemispherical sones at 1.5 m (5ft) in a hemispherical free field calculated per AMCA Standard 301. Values are shown for installation Type A: free inlet hemispherical sone levels. The AMCA certified ratings seal applies to sone ratings only.

Phase

3

60

Fan Rating: 762 762c

1750

Sp/Wdg

1SPD

Encl

TEFC



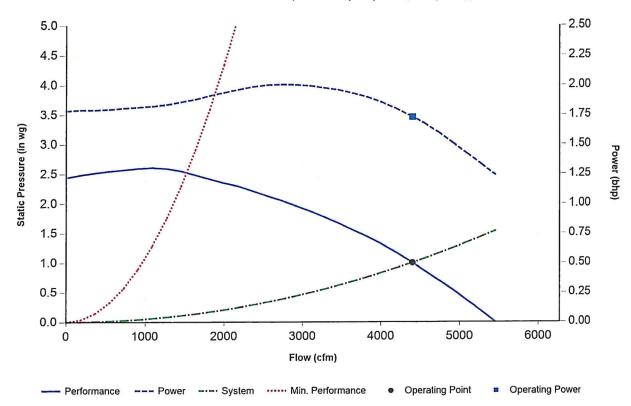
Motor Info.

3 Нр

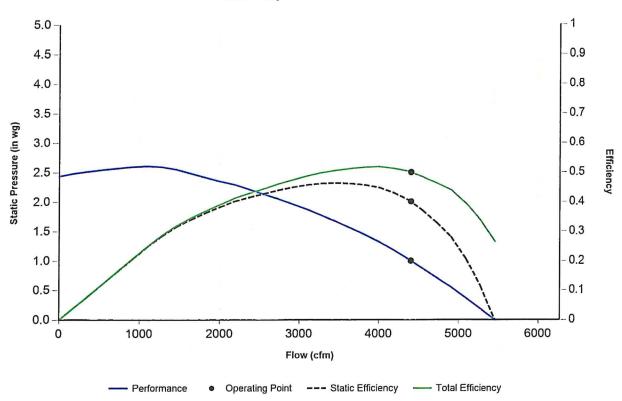
Volts

460

### Performance PNU355RG, Volume (cfm) 4400, SP (in wg) 1



Efficiency SE: 40.10 TE: 50.00



## PREFERRED VENDOR MOTOR DATA SHEET

### Motor Part Number:925047

## Nameplate Data

Horsepower: 3.0 (3 Hp) M

Volts: 208, 230, 460

Amps: 9.0/8.4/4.2

Service Factor Amps: 10.4/9.7/4.8

Service Factor: 1.15

Hertz: 60/60/60

Phase: 3

Speed/Winding: 1SPD

Enclosure: TEFC

LRA: 32.00

Power Factor: 75.00 Small Motor Rule: N/A

SE Rating:

Class 2 Groups:

Temp Code:

Motor Control VFD Compatibility:

Efficiency: NEMA Premium Efficiency - Table 12-12

Efficiency Percent: 89.50

Ambient Temperature: 40

Frame: 182T

WR2: 71.00

Nameplate RPM: 1760

Insulation Class: F

Nominal RPM(60Hz): 1750/1750/1750

Synch RPM(60Hz): 1800/1800/1800

Class 1 Groups:

Division:

### **Features**

Bearing Type: Ball

Motor Rotation: Clockwise

VSM: False

Thermal Overload: N

NEMA Code: B

Motor Plug: No

Base: RIG

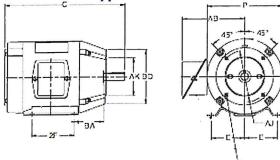
Duty: C

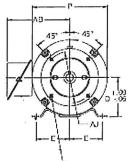
End Bell Drain: No

F2: No

### **Dimensions and Weight**

### Typical C-Face Motor





Ab: 6.870000

C: 16.550000

D: 4.500000

E: 3.750000

F: 2.250000

H: 0.468700

Sd: 1,125000 L: 8.300000

V: 2.750000

Unit Weight: 72

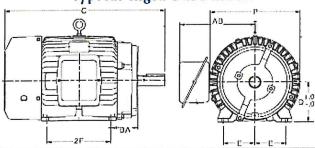
Keyway: 1/4x1/8x1 3/4

Shaft Diameter: 1.125000

Metric Keyway: .635x.318x4.445

**Motor Notes** 

### Typical Rigid Base Motor





**TAG: EF-1,3** 

Project: CNE Hard Rock Buffet Kitchen Fans Location: Tulsa, OK

Acme Engineering and Manufacturing Corporation

P.O. Box 978, Muskogee, OK 74402 Print Date: 2/27/2025 1:23:16 PM

### **GTR**

**Grease Trough Roof** 

Standard Construction Features

Approximant Capacity 2.6 Gal. Compartmentalized to separate grease/water Mounted easily to roof type ventilators Galvanized steel construction

699593 - PNU355-490 Roof Grease Trough With Adapter

PERFORMANCE (Altitude = 0 ft, Temp = 0 Degrees F, Density = 0.000 lb/ft3)

	,
Qty	Model Size
2	PNU355-490

Weight (lbs)







PROJECT: HARD ROCK CASINO 124

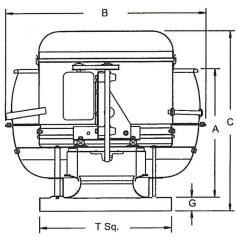
DATE: 2/26/2025

## ACRU-HP

**Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive** 

#### STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning -Welded curb cap corners - Birdscreen - Vibration isolators - Lifting Lugs -Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in a cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging. Standard motors ship factory installed.



Performance (\*Bhp includes 9% drive loss)

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG
1	150RH5B	1000	1.00	1527	.394	n/a(<1HP)

Altitude (ft): 676 Temperature (F): 70

#### **Motor Information**

НР	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted
1/2	1725	115/1/60	TEFC -SE	9.8	Yes

FLA based on NEC (2017) Table 430.248

0 10 4-	1-1-4		-		<b>~</b>	nI
Sound Data	iniet	Souna	Power	DΛ	Octave	band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
83	75	71	67	64	68	63	56	73	61	11.9

<sup>-</sup> Distance from Sound source 5 ft

#### Accessories:

DRIVES (1.5 SF) @ 1527 RPM DISCONNECT NEMA 1 PRE-WIRED **BD-18 DAMPER** HINGED SUB BASE 24T DRAIN TUBE (PLASTIC) BELT TENSIONR-ROTARY

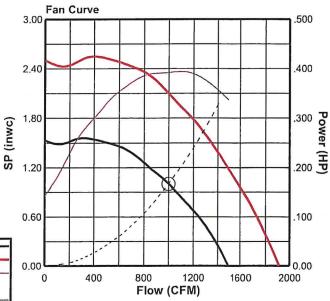


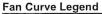
Α	20-15/16
В	34-11/16
С	27-1/2
G	2
T Sq.	24
Roof Open. Sq.*	19-1/2

NOTE: Accessories may affect dimensions shown

Weight(lbs)***	Shinning	113	Unit	RR
Weldillins)	Jundania	110	Ollic	30

Roof opening size for curbs supplied by Cook only





CFM vs SP (1527) MaxRPM( 1952) CFM vs HP Point of Operation 0 System Curve

Includes fan, motor & accessories.





PROJECT: HARD ROCK CASINO 124

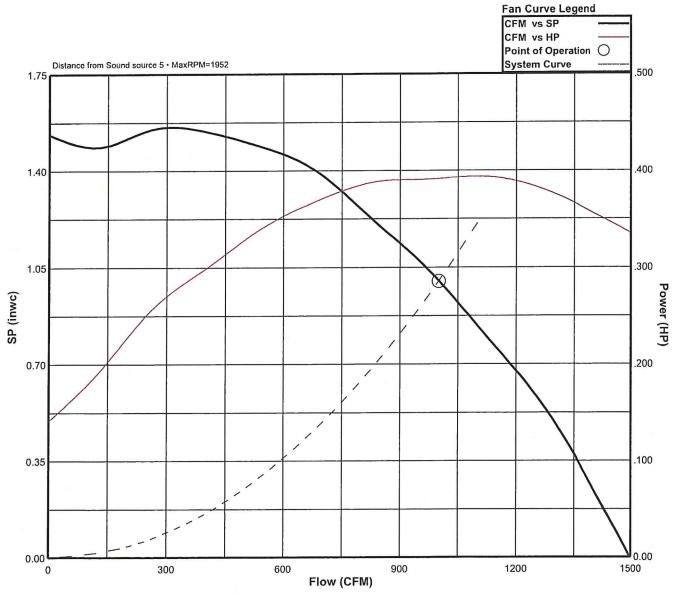
DATE: 2/26/2025

# **ACRU-HP**

Performance (\*Bhp includes 9% drive loss)

Catalog Number						OVEL (fpm)		PRODUCE TO S	Temp (°F)	
150RH5B	1000	1.00	1527	.394	n/a(<1HP)	372	5996	44%	70	676

1	2	3	4	5	6	7	8	LwA	dBA	Sones
83	75	71	67	64	68	63	56	73	61	11.9





DATE: 2/26/2025

## BD

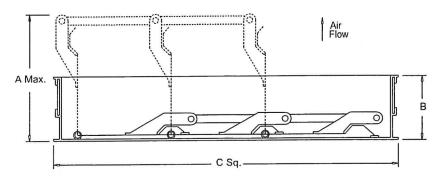
## **Gravity Backdraft Damper**

### STANDARD CONSTRUCTION FEATURES:

.020 Aluminum blades - .060 aluminum frame - Aluminum hinge pins - Nylon bushings.

#### Notes:

Max. operating temperature 200 Deg F (95 Deg C). Max. discharge velocity 2000 fpm.
Sizes 36 thru 60 are shipped as 2 panels.
Sizes 66 and 78 are shipped as 6 panels.
These may require assembly.

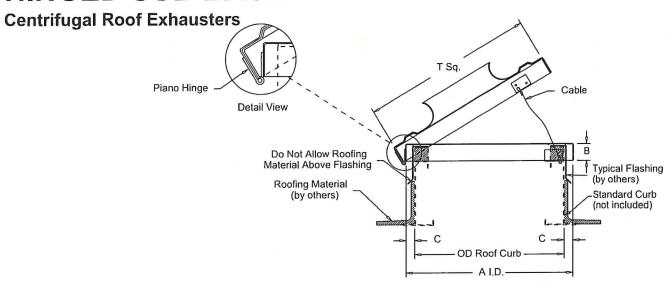


Mark	Qty	Description	A Max.	В	C Sq.	# Panels
KEF-1	1	BD-18 DAMPER	5-3/16	1-7/8	17-3/4	1



DATE: 2/26/2025

## **HINGED SUB BASE**



Mark	Qty	Description	A I.D.	В	С	Cable	OD Curb	T.Sq.
KEF-1	1	HINGED SUB BASE 24T	23-3/8	2-1/4	7/16	37	22-1/2	24



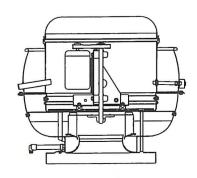
# **Grease Tube**

**Plastic** 

PROJECT: HARD ROCK CASINO 124

DATE: 2/26/2025

Plastic Installation





Mark	Qty	Description
KEF-1	1	DRAIN TUBE (PLASTIC)







PROJECT: HARD ROCK CASINO 124

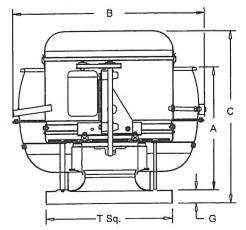
DATE: 2/26/2025

## VCR-XP

**Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive** 

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning -Welded curb cap corners - Lifting Lugs - Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging.



Performance (\*Bhp includes 6% drive loss)

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI
1	165VX8B	1600	2.00	2300	1.17	60	1.07

Altitude (ft): 676 Temperature (F): 70

**Motor Information** 

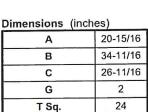
HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated
1-1/2	1725	460/3/60	TEFC -PE	3	No	Yes

1-1/2 1/20	40010100	1,5,0		ŭ	110	
NEMA Premium FLA based on N				)14) Ta	ble 12-12	
Sound Data	Inlet Sour	nd Pow	er by	Octav	e Band	

1	2	3	4	5	6	7	8	LwA	dBA	Sones
77	83	86	85	78	75	73	70	86	74	23
_	83							86	74	23

#### Accessories:

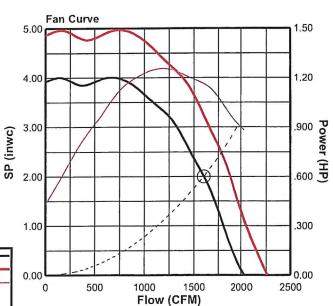
Premium Efficiency Motor (Min. 86.5%) DRIVES (1.5 SF) @ 2300 RPM DISCONNECT NEMA 3 PRE-WIRED UL762 (327Y-300DEG) HINGED SUB BASE 24T KEYWAY GREASE TROUGH **BELT TENSIONR-ROTARY** 



	E: Accessories may affect dimensions shown.  Shipping 157 Unit 132			
Weight(lbs)***	Shipping	157	Unit	132

19-1/2

Roof Open. Sq.\*



Fan Curve Legend CFM vs SP (2300) MaxRPM( 2560) CFM vs HP 0 Point of Operation System Curve

Roof opening size for curbs supplied by Cook only.





**PROJECT: HARD ROCK CASINO 124** 

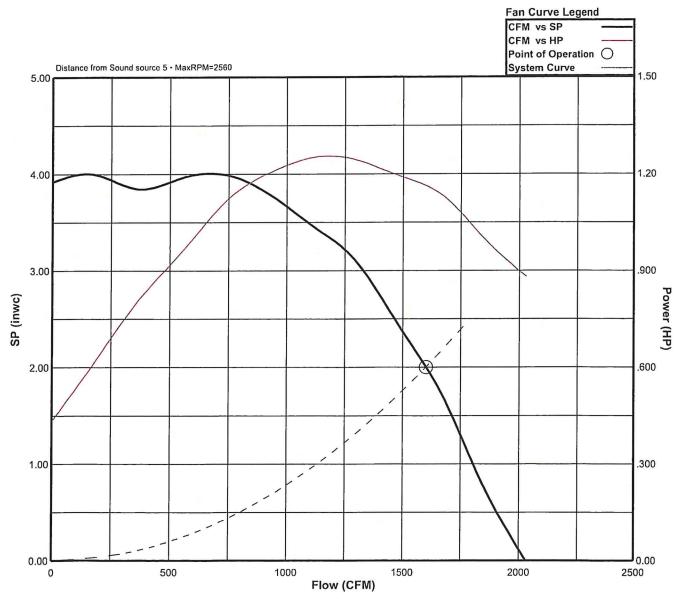
DATE: 2/26/2025

# **VCR-XP**

Performance (\*Bhp includes 6% drive loss)

Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI	OVEL (fpm)	TSPD (fpm)	SE	Temp (°F)	ALT (ft)
165VX8B	1600	2.00	2300	1.17	60	1.07	596	9935	46%	70	676

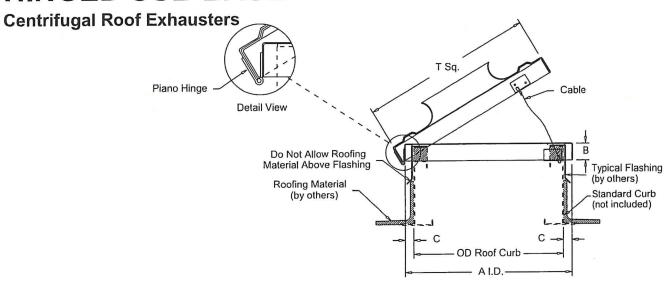
1	2	3	4	5	6	7	8	LwA	dBA	Sones
77	83	86	85	78	75	73	70	86	74	23





DATE: 2/26/2025

## **HINGED SUB BASE**



Mark	Qty	Description	A I.D.	В	С	Cable	OD Curb	T.Sq.
KEF-3	1	HINGED SUB BASE 24T	23-3/8	2-1/4	7/16	37	22-1/2	24



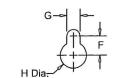
DATE: 2/26/2025

# **Grease Trough**

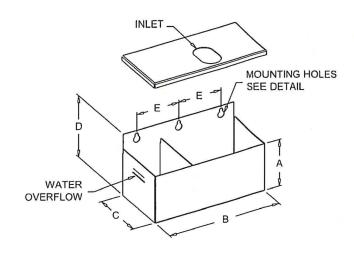
## **Keyway Mount**

### STANDARD CONSTRUCTION FEATURES:

All aluminum .063 construction - Continuously welded trough housing corners - Removable lid for servicing - Slotted mounting holes for easy removal - Baffled design for extended capacity.



MOUNTING HOLE DETAIL



Mark	Qty	Description	Α	В	С	D	E	F	G	H Dia.
KEF-3	1	KEYWAY GREASE TROUGH	5	12	6-1/16	6-1/2	4-1/2	1/2	3/8	11/16







PROJECT: HARD ROCK CASINO 124

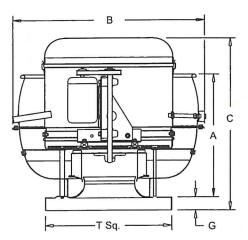
DATE: 2/26/2025

## **VCR-HP**

**Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive** 

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning -Welded curb cap corners - Lifting Lugs - Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging.



Performance (\*Bhp includes 5% drive loss)

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI
1	<mark>1</mark> 80∨H9B	2800	2.00	1636	1.55	67	1.27

Altitude (ft): 676 Temperature (F): 70

**Motor Information** 

HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated
2	1725	460/3/60	TEFC -PE	3.4	Yes	Yes

NEMA Premium® efficiency motor per MG-1 (2014) Table 12-12 FLA based on NEC (2017) Table 430.250

Α	24-13/16
В	39-7/16
С	33-3/8
G	3
T Sq.	30
Roof Open. Sq.*	25-1/2

Dimensions (inches)

NOTE: Accessories ma				_
Weight(lbs)***	Shipping	189	Unit	158

Roof opening size for curbs supplied by Cook only "Includes fan, motor & accessories.

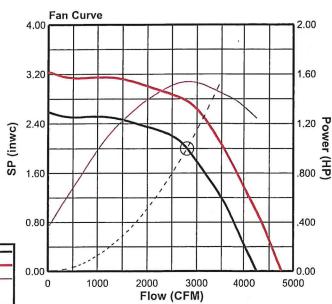
## Sound Data Inlet Sound Power by Octave Band

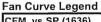
1	2	3	4	5	6	7	8	LwA	dBA	Sones
83	86	81	78	74	75	73	67	82	70	20

<sup>-</sup> Distance from Sound source 5 ft

#### Accessories:

Premium Efficiency Motor (Min. 86.5%) DRIVES (1.5 SF) @ 1636 RPM DISCONNECT NEMA 3 PRE-WIRED UL762 (327Y-300DEG) HINGED SUB BASE 30T KEYWAY GREASE TROUGH BELT TENSIONR-ROTARY





CFM vs SP (1636) MaxRPM( 1830) CFM vs HP Point of Operation 0 System Curve





PROJECT: HARD ROCK CASINO 124

DATE: 2/26/2025

# VCR-HP

Performance (\*Bhp includes 5% drive loss)

Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG		OVEL (fpm)		SE	Temp (°F)	ALT (ft)
180VH9B	2800	2.00	1636	1.55	67	1.27	725	7709	60%	70	676

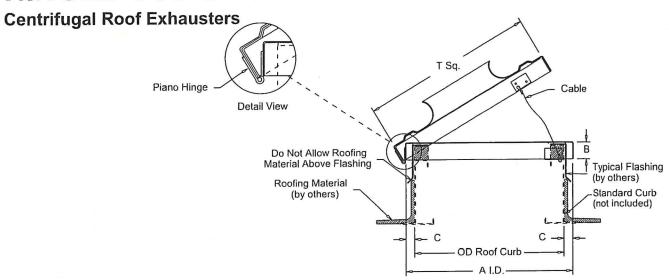
1	2	3	4	5	6	7	8	LwA	dBA	Sones
83	86	81	78	74	75	73	67	82	70	20





DATE: 2/26/2025

## **HINGED SUB BASE**



Mark	Qty	Description	A I.D.	В	С	Cable	OD Curb	T.Sq.
KEF-4	1	HINGED SUB BASE 30T	29-3/8	3-1/4	7/16	46	28-1/2	30



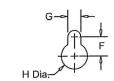
DATE: 2/26/2025

# **Grease Trough**

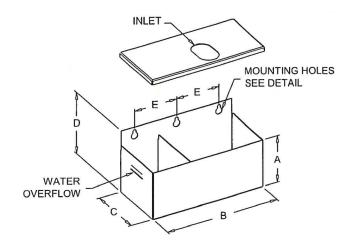
## **Keyway Mount**

### STANDARD CONSTRUCTION FEATURES:

All aluminum .063 construction - Continuously welded trough housing corners - Removable lid for servicing - Slotted mounting holes for easy removal - Baffled design for extended capacity.



MOUNTING HOLE DETAIL



Mark	Qty	Description	Α	В	С	D	E	F	G	H Dia.
KEF-4	1	KEYWAY GREASE TROUGH	5	12	6-1/16	6-1/2	4-1/2	1/2	3/8	11/16







PROJECT: HARD ROCK CASINO 124

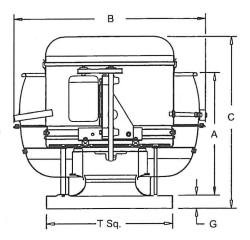
DATE: 2/26/2025

## **VCR-XP**

**Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive** 

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning -Welded curb cap corners - Lifting Lugs - Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging.



Performance (\*Bhp includes 6% drive loss)

	Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI
ĺ	1	165VX8B	1600	2.00	2300	1.17	60	1.07

Altitude (ft): 676 Temperature (F): 70

Motor Information

HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated
1-1/2	1725	460/3/60	TEFC -PE	3	No	Yes

NEMA Premium® efficiency motor per MG-1 (2014) Table 12-12 FLA based on NEC (2017) Table 430.250

#### Sound Data Inlet Sound Power by Octave Band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
77	83	86	85	78	75	73	70	86	74	23

- Distance from Sound source 5 ft

#### Accessories:

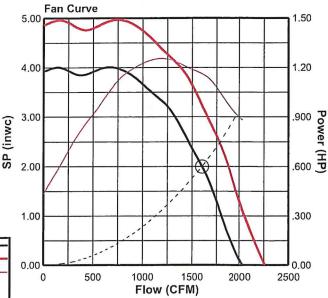
Premium Efficiency Motor (Min. 86.5%) DRIVES (1.5 SF) @ 2300 RPM DISCONNECT NEMA 3 PRE-WIRED UL762 (327Y-300DEG) HINGED SUB BASE 24T KEYWAY GREASE TROUGH BELT TENSIONR-ROTARY

Dimensions (inches)

Α	20-15/16
В	34-11/16
С	26-11/16
G	2
T Sq.	24
Roof Open. Sq.*	19-1/2

	essories may affect dimensions shown. (Ibs)*** Shipping 157 Unit 1			
Weight(lbs)***	Shipping	157	Unit	132

<sup>\*</sup>Roof opening size for curbs supplied by Cook only.
\*\*\*Includes fan, motor & accessories.





CFM vs SP (2300) MaxRPM( 2560) CFM vs HP Point of Operation 0 System Curve





PROJECT: HARD ROCK CASINO 124

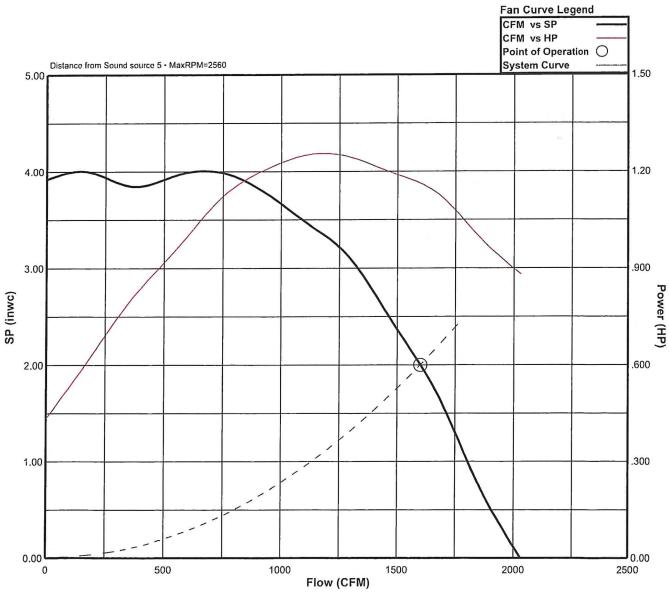
DATE: 2/26/2025

# VCR-XP

Performance (\*Bhp includes 6% drive loss)

Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG		OVEL (fpm)			Temp (°F)	
165VX8B	1600	2.00	2300	1.17	60	1.07	596	9935	46%	70	676

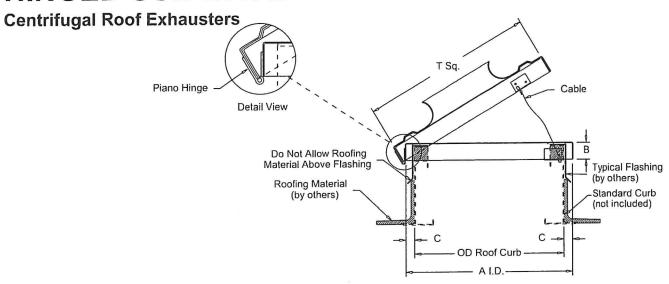
1	2	3	4	5	6	7	8	LwA	dBA	Sones
77	83	86	85	78	75	73	70	86	74	23





DATE: 2/26/2025

# HINGED SUB BASE



Mark	Qty	Description	A I.D.	В	С	Cable	OD Curb	T.Sq.				
KEF-5	1	HINGED SUB BASE 24T	23-3/8	2-1/4	7/16	37	22-1/2	24				

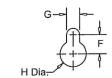
DATE: 2/26/2025

# **Grease Trough**

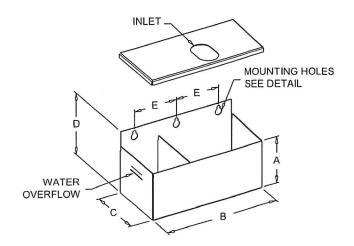
## **Keyway Mount**

## STANDARD CONSTRUCTION FEATURES:

All aluminum .063 construction - Continuously welded trough housing corners - Removable lid for servicing - Slotted mounting holes for easy removal - Baffled design for extended capacity.



MOUNTING HOLE DETAIL



### **Dimensions** (inches)

Mark	Qty	Description		В	С	D	E	F	G	H Dia.
KEF-5	1	KEYWAY GREASE TROUGH	5	12	6-1/16	6-1/2	4-1/2	1/2	3/8	11/16

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PROJECT: HARD ROCK CASINO 124

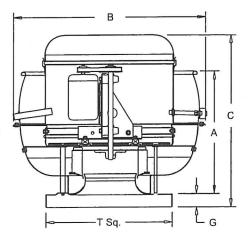
DATE: 2/26/2025

## **VCR-XP**

Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning - Welded curb cap corners - Lifting Lugs - Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging.



Performance (\*Bhp includes 5% drive loss)

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG	FEI
1	210VX9B	2560	2.00	1794	1.80	56	1.02

Altitude (ft): 676 Temperature (F): 70

Motor Information

HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated	
2	1725	460/3/60	TEFC -PE	3.4	Yes	Yes	

NEMA Premium® efficiency motor per MG-1 (2014) Table 12-12

FLA based on NEC (2017) Table 430.250

Sound	Data	Inlet	Sound	Power	hv	Octave	Band
Sound	Data	HILLER	Journa	LOWE	D y	Octave	Dania

1	2	3	4	5	6	7	8	LwA	dBA	Sones
77	86	86	81	77	75	76	71	85	73	23

<sup>-</sup> Distance from Sound source 5 ft

#### Accessories:

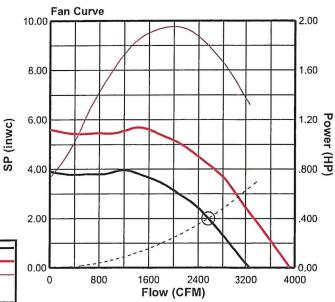
Premium Efficiency Motor (Min. 86.5%) DRIVES (1.5 SF) @ 1794 RPM DISCONNECT NEMA 3 PRE-WIRED UL762 (327Y-300DEG) HINGED SUB BASE 30T KEYWAY GREASE TROUGH BELT TENSIONR-ROTARY

#### Dimensions (inches)

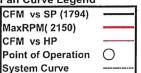
Α	25-15/16
В	45-1/4
С	32-3/4
G	3
T Sq.	30
Roof Open. Sq.*	25-1/2

	NOTE: Accessories may affect dimensions shown.							
Weight(lbs)***	Shipping	309	Unit	182				

Roof opening size for curbs supplied by Cook only.



Fan Curve Legend



<sup>\*</sup>Roof opening size for curbs supplied \*\*\*Includes fan, motor & accessories.





PROJECT: HARD ROCK CASINO 124

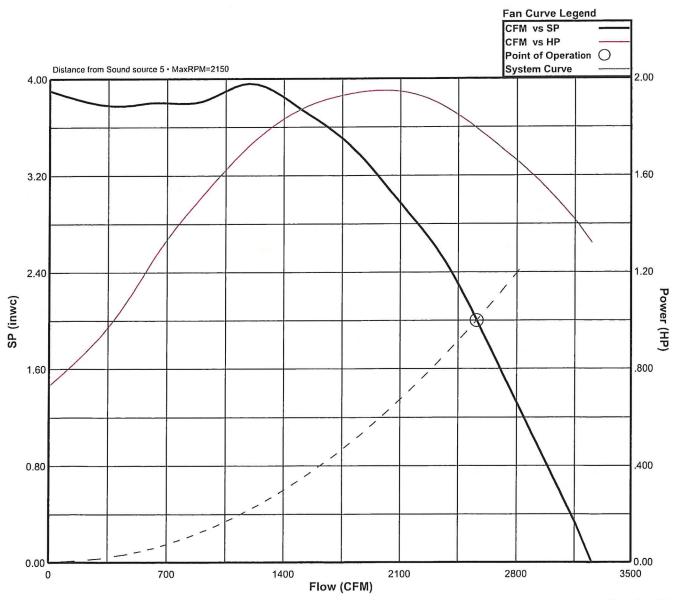
DATE: 2/26/2025

# VCR-XP

Performance (\*Bhp includes 5% drive loss)

Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power* (HP)	FEG		OVEL (fpm)			Temp (°F)	
210VX9B	2560	2.00	1794	1.80	56	1.02	489	9863	47%	70	676

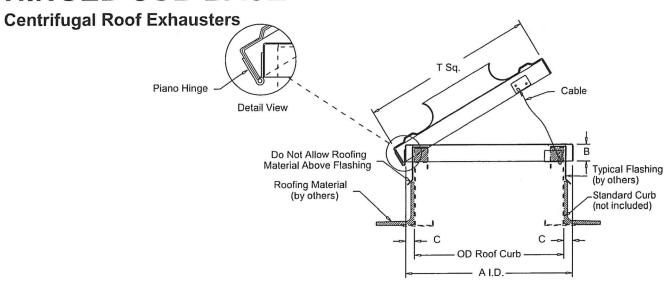
1	2	3	4	5	6	7	8	LwA	dBA	Sones
77	86	86	81	77	75	76	71	85	73	23





DATE: 2/26/2025

# HINGED SUB BASE



Mark	Qty	Description	A I.D.	В	в с		OD Curb	T.Sq.	
KEF-6	1	HINGED SUB BASE 30T	29-3/8	3-1/4	7/16	46	28-1/2	30	



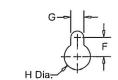
DATE: 2/26/2025

# **Grease Trough**

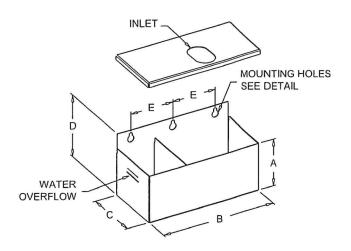
## **Keyway Mount**

### STANDARD CONSTRUCTION FEATURES:

All aluminum .063 construction - Continuously welded trough housing corners - Removable lid for servicing - Slotted mounting holes for easy removal - Baffled design for extended capacity.



MOUNTING HOLE DETAIL



Mark	Qty	Description		В	С	D	E	F	G	H Dia.
KEF-6	1	KEYWAY GREASE TROUGH	5	12	6-1/16	6-1/2	4-1/2	1/2	3/8	11/16







PROJECT: HARD ROCK CASINO 124

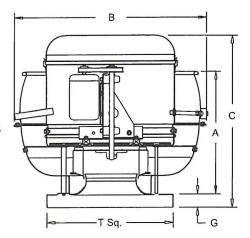
DATE: 2/26/2025

# VCR-HP

Upblast Centrifugal Exhaust Ventilator Roof Mounted/Belt Drive

STANDARD CONSTRUCTION FEATURES:

All aluminum housing - Backward inclined all aluminum wheel - Two piece top cap with stainless steel quick release latches - One piece bottom spinning - Welded curb cap corners - Lifting Lugs - Permanently lubricated ball bearing motors - Oil and heat resistant, static conducting belts - Adjustable pitch drives through 5 hp motor - Corrosion resistant fasteners - Regreasable bearings in cast iron pillow block housing, rated at 200,000 hours average life - All fans factory adjusted to specified fan RPM - Transit tested packaging.



#### Performance

Qty	Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power (HP)	FEG	FEI
1	365VH12B	12440	2.25	858	7.38	63	1.19

Altitude (ft): 676 Temperature (F): 70

#### Motor Information

HP	RPM	Volts/Ph/Hz	Enclosure	FLA	Mounted	VFD Rated
7-1/2	1725	460/3/60	TEFC -PE	11	Yes	Yes

NEMA Premium® efficiency motor per MG-1 (2014) Table 12-12

FLA based on NEC (2017) Table 430.250

## Sound Data Inlet Sound Power by Octave Band

1	2	3	4	5	6	7	8	LwA	dBA	Sones
88	91	91	88	83	79	75	70	90	78	29

<sup>-</sup> Distance from Sound source 5 ft

#### Accessories:

Premium Efficiency Motor (Min. 91.7%)
DRIVES (1.5 SF) @ 858 RPM
REINFORCED WHEEL
DISCONNECT NEMA 3 PRE-WIRED
UL762 (327Y-300DEG)
HINGED SUB BASE 42T
KEYWAY GREASE TROUGH
BELT TENSIONR-ROTARY

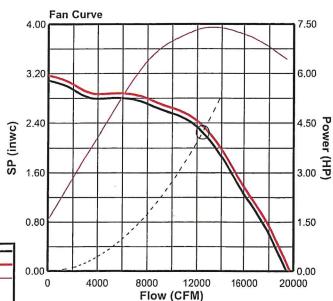
#### **Dimensions** (inches)

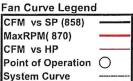
Α	36-3/8
В	64-1/4
С	48-7/16
G	3
T Sq.	42
Roof Open. Sq.*	37-1/2

NOTE: Accessories may affect dimensions shown.

Weight(lbs)***	Shipping	625	Unit	416

Roof opening size for curbs supplied by Cook only.
"Includes fan, motor & accessories.









PROJECT: HARD ROCK CASINO 124

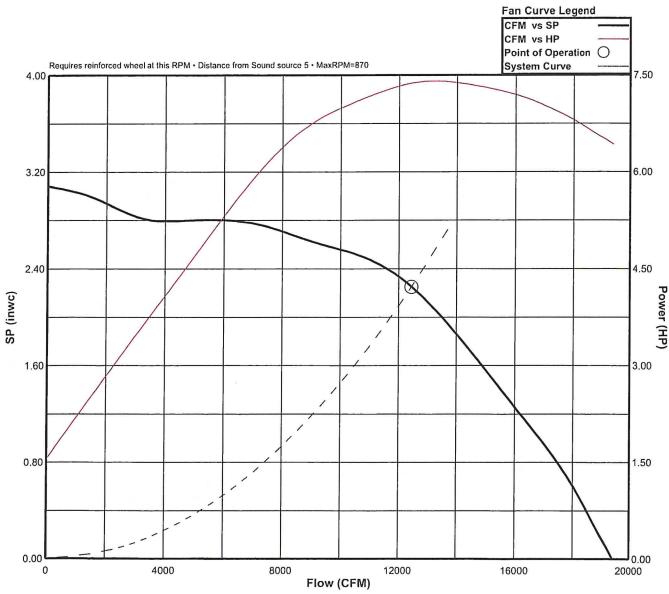
DATE: 2/26/2025

# VCR-HP

Performance

Catalog Number	Flow (CFM)	SP (inwc)	Fan RPM	Power (HP)	FEG		OVEL (fpm)			Temp (°F)	
365VH12B	12440	2.25	858	7.38	63	1.19	1271	8198	60%	70	676

1	2	3	4	5	6	7	8	LwA	dBA	Sones
88	91	91	88	83	79	75	70	90	78	29





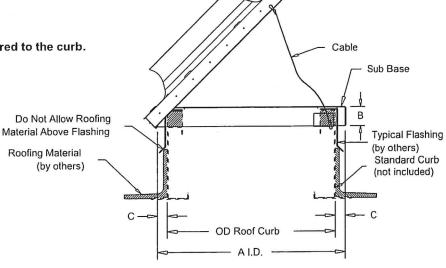
DATE: 2/26/2025

**Heavy Duty Hinged Base** 

Centrifugal Roof Exhausters

Note:

To avoid injury, sub base must be secured to the curb.



Mark	Qty	Description	A I.D.	В	С	Cable	OD Curb	T.Sq.	
KEF-1.	1	HINGED SUB BASE 42T	41-3/8	3	7/16	63	40-1/2	42	



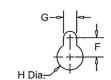
DATE: 2/26/2025

# **Grease Trough**

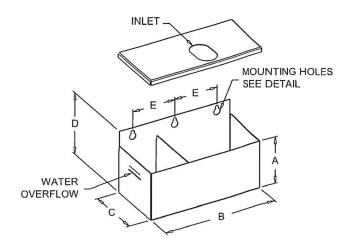
## **Keyway Mount**

### STANDARD CONSTRUCTION FEATURES:

All aluminum .063 construction - Continuously welded trough housing corners - Removable lid for servicing - Slotted mounting holes for easy removal - Baffled design for extended capacity.



MOUNTING HOLE DETAIL



Mark	Qty	Description	Α	В	С	D	Е	F	G	H Dia.
KEF-1.	1	KEYWAY GREASE TROUGH	5	12	6-1/16	6-1/2	4-1/2	1/2	3/8	11/16