

# **HABEGGER**

## ***Fabrication Division***

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### **Submittals**

**Prepared By:** Habegger Fabrication Division  
925 Redna Terrace  
Cincinnati, Ohio, 45215  
Chalk Fry III

**Contractor:** **Champion Commercial HVAC**

**Job:** Affordable Dentures- Stone Creek Towne Center

**Date:** 9/25/2023

### **Submittal Table of Contents**

#### **PennBarry Submittal**

## SUBMITTAL PACKAGE

### Roof & Wall Exhaust

FX -

ID#	Tag	Qty
FX-1	EF-1	1

### Ceiling & Room-to-Room

Z - Ceiling/Inline Duct Mounted Cabinet Exhaust Fan

ID#	Tag	Qty
Z-1	EF-2	1
Z-2	EF-3 - EF-5	3

### Note:

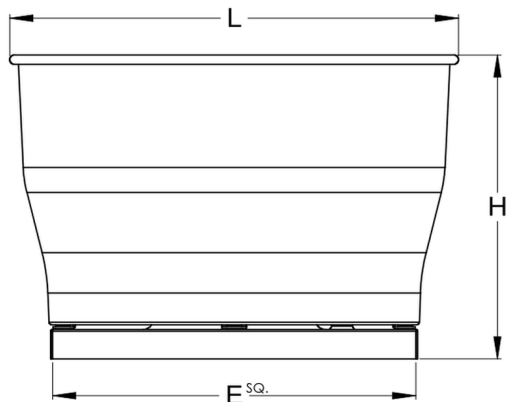
- Quantities and Sizes listed are for submittal purposes only, to be verified prior to order.
- Submittal information is deemed correct at time of printing, however in the interest of product improvement pennbarry reserves the right to make changes without notice.

# FX10R - SC

Roof Mounted Upblast Spun Aluminum Exhaust Fan

Quantity: 1  
Special: None

### Dimensions



Unit Size	Motor Efficiency	Motor Speed
10	S - Standard	Q - 1550 RPM

E	H	L	Weight
18.5	14.125	25	32

### Standard Construction Features

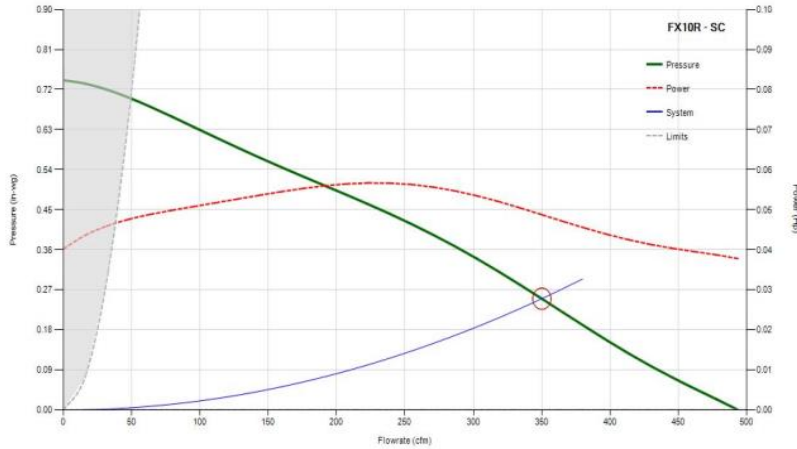
- Two (2) patented wheel designs
- Unique internal bracing design transfers weight directly to curb; no spun parts supply structural support
- Welded curb cap available as either galvanized or aluminum
- Popular direct drive sizes use multi-speed motors for maximum flexibility
- Direct drive (Open/TE) motors include overload protection as standard
- Plug-Disconnect and pre-wired junction box (1-speed ODP motors up to 3/4 HP)

### Accessories

- Temperature: 70
- UL / ETL Listing: 1 - UL 705
- Unit Size: 10
- Application: E - Exhaust
- Drive Type: D - Direct
- Unit Material: A - Aluminum
- Motor Efficiency: S - Standard
- Motor Speed: Q - 1550 RPM
- Controllers: 1 - LekTrol SS Speed Ctrlr (Mounted)
- Service Switches: C - NEMA 1 - mounted
- Internal Wiring: 1 - NEMA 1
- Roof Slope: S - Single Slope
- Roof Slope Value: 300 - 3 inches
- Damper Type: BD - Backdraft Damper
- Spark Resistance Construction: C - AMCA C Spark Resistance
- Model Parent: FX10D

(continued)

**Performance**



**Operating Point**

Volume (CFM)	350
Static Pressure (in. wg)	0.25
Fan RPM	1342
Horse Power (BHP)	0.05
Elevation (ft)	0
Temperature (°F)	70
Drive Loss (%)	N/A
FEI	1.45

**Motor Information**

Motor HP	0.167 - 1/6 HP
Volt/Ph/Hz	230V /1/ 60
Enclosure	2 - TENV
NEC FLA*	2.2
Weight+ (lbs)	C/F

\* NEC FLA - based on tables 430.248 or 430.250 of National Electrical Code 2014. Actual motor FLA may vary depending on motor manufacturer.  
 + Motor weight may vary depending on supplier

**SOUND POWER**

OCTAVE POWER CENTER FREQUENCY (hz)

63	125	250	500	1000	2000	4000	8000
61	70	65	56	52	47	43	35

LWA	dBA	Sones
61	49.1	5.02

LwA - Weighted sound power, based on ANSI S1.4, dBA - Weighted sound pressure, based on 11.5 dB attenuation per Octave band at 5 ft. Sones - calculated using AMCA 301 at 5 ft.



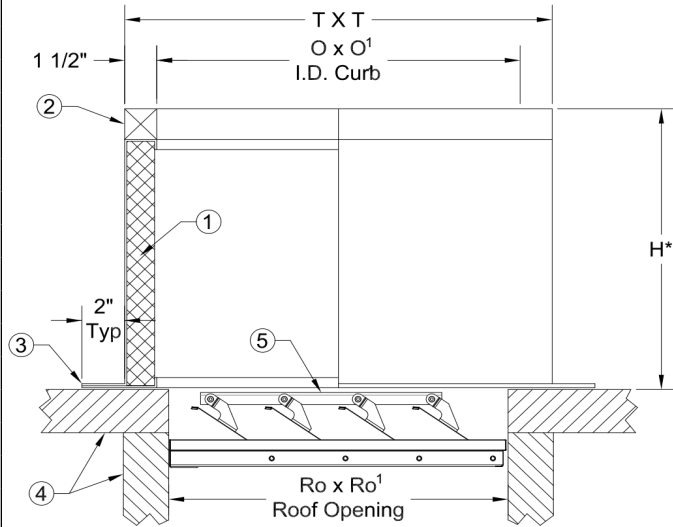
## Roof Curb

Prefabricated Roof Curbs

**Quantity:** 1  
**Special:** None

### Product Image

#### Roof Curb



- Curb Model: UG12
- Heavy-gauge steel with welded corner seams shall cover 1-1/2" thick 3 lb. density fiberglass insulation.
- A 1-1/2" wide wood nailer (Unibeam) with top surface is provided for fan installation and/or roofing paper.
- Flat (single or double pitch optional) curb fastening flange shall be Cantless.
- Optional vented sides available without fiberglass insulation.

Model Parent	T	T'	O	O'	H	Ro	Ro'
FX10D	17	17	14	14	12	11.5	11.5

### Options or Accessories Listing

**Model Parent** FX10R - SC  
**Style** F - Flat  
**Material** G - Galvanized  
**Height** 12

**Roof Slope** S - Single Slope  
**Roof Slope Value** 300 - 3 inches  
**Slope Side** 300 - 3 inches  
**Wood Nailer** W - Wooden Nailer

### Schedule

ID	Quantity	Tag
1	1	EF-1

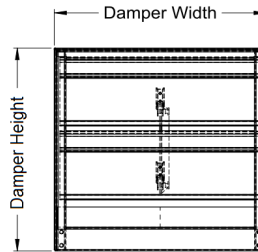
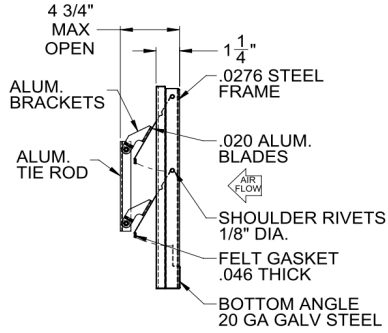
## Damper

Control or General with various blade type dampers

**Quantity:** 1  
**Special:** None

### Product Image

#### Damper



- Sensitive and responsive to low velocities up to 1500 FPM range.
- Square galvanized steel frame,
- Multi-leaf, roll formed aluminum blades; with
- Nylon bearings; and
- Felt Edges for quiet operation

Model Parent	Size	Part Number	Height	Width	No Blades	No Sections
FX10D	13	25003-0	11.25	11.25	2	1

### Options or Accessories Listing

<b>Model Parent</b> FX10R - SC	<b>Blade Action</b> 1 - Parallel
<b>Application</b> E - Exhaust	<b>Flange</b> 0 - None
<b>Damper Type</b> BD - Backdraft Damper	<b>Coating</b> 0 - None
<b>Damper Material</b> A - Aluminum	

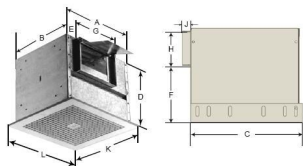
### Schedule

ID	Quantity	Tag
1	1	EF-1

**Z8S - SC**  
Ceiling/Inline Duct Mounted Cabinet Exhaust Fan

Quantity: 1  
Special: None

**Dimensions**



Unit Size	A	B	C	D
8	13.875	11.375	17.375	11.375

E	F	G	H	J
1.875	5.25	8	6	0.75

K	L	Weight
13.25	14.875	20

**Standard Construction Features**

- Galvanized housing lined with acoustical insulation
- Forward curved centrifugal blower
- Integral chatter proof backdraft damper
- Motor continuous duty, with thermal overload protection, positively cooled, & mounted on vibration isolators
- Fan/motor/wheel "power pack" is removable
- Corrosion resistant fasteners

**Accessories**

Temperature: 70

UL / ETL Listing: 2 - UL 507

Unit Size: 8

Drive Type: D - Direct

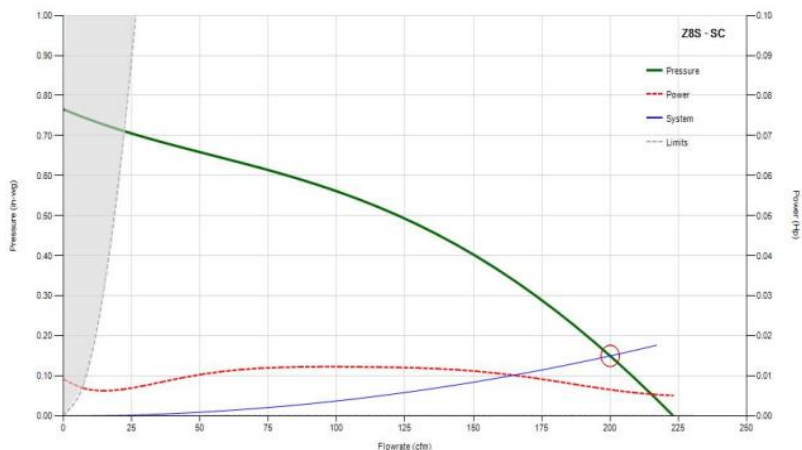
Discharge Configuration: CR - Ceiling Cavity Right Angle

Motor Efficiency: S - Standard

Motor Speed: 3 - Standard

Grilles: J - Plastic Grille

**Performance**



Operating Point	
Volume (CFM)	200
Static Pressure (in. wg)	0.15
Fan RPM	880
Horse Power (BHP)	0.01
Elevation (ft)	0
Temperature (°F)	70
Drive Loss (%)	N/A
FEI	135.32

Motor Information	
Motor Watts	77
Volt/Ph/Hz	115V /1/ 60
Enclosure	6 - OP (Open)
NEC FLA*	1
Weight+ (lbs)	15

\* NEC FLA - based on tables 430.248 or 430.250 of National Electrical Code 2014. Actual motor FLA may vary depending on motor manufacturer.  
+ Motor weight may vary depending on supplier

Tag: EF-2

Project: Affordable Dentures- Stone Creek Towne Center

Office: Habegger Commercial C Preparer: Chalk Fry

Version: 1.0.00

Date: 09/25/2023



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63	125	250	500	1000	2000	4000	8000
53	53	47	46	44	36	28	24

LWA	dBA	Sones
48	36.5	1.66

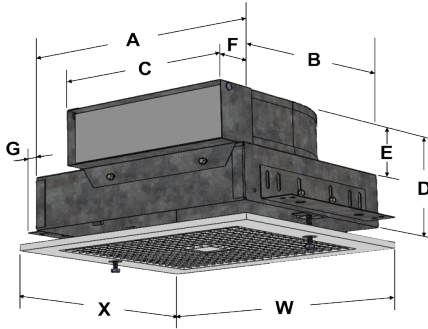
LwA - Weighted sound power, based on ANSI S1.4, dBA - Weighted sound pressure level, based on ANSI S1.4, 11.5 dB attenuation per Octave band at 5 ft. Sones - calculated using AMCA 301



**ZJ1 - SC**  
Ceiling/Inline Duct Mounted Cabinet Exhaust Fan

Quantity: 3  
Special: None

**Dimensions**



Unit Size	A	B	C	D
J1	13.74	11.92	10.02	6.55

E	F	G	W	X
3.29	1.36	1.56	14.88	13.25

Weight
15

**Standard Construction Features**

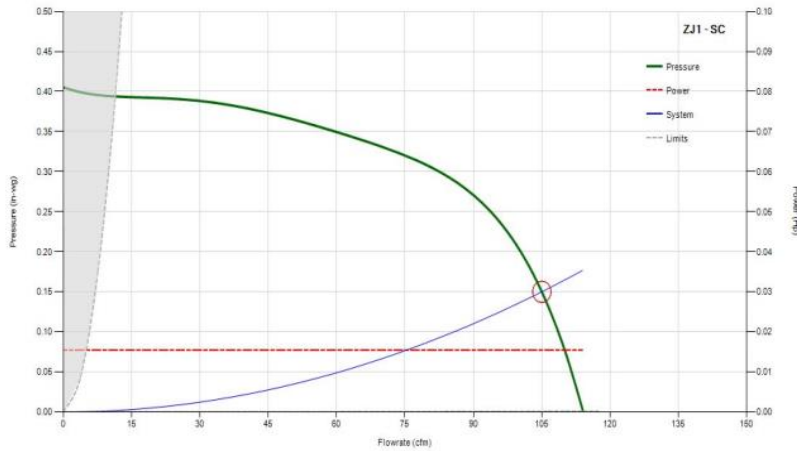
- Forward curved centrifugal blower
- Integral chatter proof backdraft damper
- Motor continuous duty, with thermal overload protection, positively cooled, & mounted on vibration isolators
- Fan/motor/wheel "power pack" is removable
- Corrosion resistant fasteners

**Accessories**

Temperature: 70  
 UL / ETL Listing: 2 - UL 507  
 Unit Size: J1  
 Drive Type: D - Direct  
 Discharge Configuration: CR - Ceiling Cavity Right Angle  
 Motor Efficiency: S - Standard  
 Grilles: J - Plastic Grille

(continued)

**Performance**



**Operating Point**

Volume (CFM)	105
Static Pressure (in. wg)	0.15
Fan RPM	781
Horse Power (BHP)	0.02
Elevation (ft)	0
Temperature (°F)	70
Drive Loss (%)	N/A
FEI	106.53

**Motor Information**

Motor Watts	125
Volt/Ph/Hz	115V /1/ 60
Enclosure	6 - OP (Open)
NEC FLA*	1.7
Weight+ (lbs)	15

\* NEC FLA - based on tables 430.248 or 430.250 of National Electrical Code 2014. Actual motor FLA may vary depending on motor manufacturer.  
 + Motor weight may vary depending on supplier

**SOUND POWER**

OCTAVE POWER CENTER FREQUENCY (hz)

63	125	250	500	1000	2000	4000	8000
47	44	40	43	38	28	23	22

LWA	dBA	Sones
43	31.1	0.83

LwA - Weighted sound power, based on ANSI S1.4, dBA - Weighted sound pressure, based on 11.5 dB attenuation per Octave band at 5 ft. Sones - calculated using AMCA 301 at 5 ft.

