

Dena Zwarich

From: Matt Morris <matt@morriseng.ca>
Sent: Friday, September 4, 2020 2:29 PM
To: gaines@bellnet.ca
Cc: Keith Oster; Annie Griffiths; Dena Zwarich
Subject: FW: Carleton Place Arena - Mechanical Shop Drawings
Attachments: 2 - CP Arena - G&D for Review - Aug 18, 2020.pdf; 3 - CP Arena - Wall Caps for Review - Aug 18, 2020.pdf; 4 - CP Arena - Kitchen Exhaust System for Review - Aug 18, 2020.pdf; 5 - CP Arena - Exhaust Fans for Review - Aug 18, 2020.pdf; 6 - CP Arena - Fire Dampers for Review - Aug 18, 2020.pdf

SUBMITTAL / SHOP DRAWING REVIEW	
This submittal/shop drawing review is for general conformance with drawings and specifications only. Contractor is completely responsible for all dimensions, details, quantities, supply, installation and construction. This review does not in any way relieve the Contractor of responsibility for compliance with the Contract Documents.	
Client:	Larry Gaines Architect
Project:	Carleton Place Arena
Submittal:	Mechanical
Notes:	REGISTERS GRILLES & DIFFUSERS: - <i>Alternate product</i> - <i>No comment</i> WALL CAPS: - <i>No comment</i> KITCHEN EXHAUST SYSTEM: - <i>No comment</i> EXHAUST FANS: - <i>No comment</i> FIRE DAMPERS: - <i>No comment</i>
MORRIS ENGINEERING LTD. 68 William Street, Suite 200, Brockville, Ontario (613)499-2077	

SUBMITTAL

Job: Carleton Place Arena

Spec Section No:

Submittal No: 5

Revision No: 0

Sent Date: August 18, 2020

Spec Section Title: Mechanical

Submittal Title: Kitchen Exhaust System
Fans

Contractor:

Climate Works
Rosalyn Grusnick - 613-315-4009

Contractor's Stamp


Heating, Cooling & Plumbing
Reviewed
2020-08-18 10:21:38 AM

Architect:

Architect's Stamp

Engineer:

Engineer's Stamp



Project: Carleton Place Arena

Location: 75 Neelin Street

Engineer: Eastern Engineering

Contractor: Climate Works

Date: August 17, 2020

Submitted By: Heather Turcotte, C.E.T.

Specification Section: M002

Product: PennBarry Exhaust Fans

Revision: 0



walmarventilation.ca



613-225-9774



24 Gurdwara Road
Nepean ON, K2E 8B5



info@walmar.net



613-225-2972

WALMAR Ventilation Products

Division of Randebar Enterprises

Z3H

Ceiling/Inline Duct Mounted Cabinet Exhaust Fan

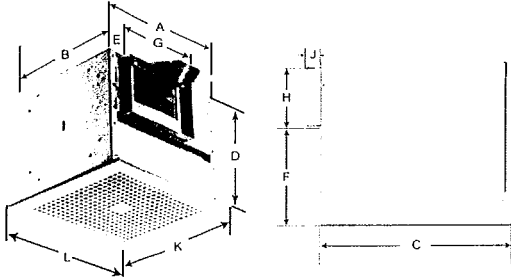
Quantity:

4

Special:

None

Dimensions



Unit Size	A	B	C	D
3	12.5	9.13	16	9.13

E	F	G	H	J
1.25	5.38	10	3.25	0.75

K	L	Weight
11	13.75	14

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
- Includes electrical disconnect "plug" to pre-wired junction box
- Fan/motor/wheel "power pack" is removable
- Corrosion resistant fasteners

Accessories

Application: E - Exhaust

Drive Type: D - Direct

Efficiency: S - Standard

Motor Tap: H

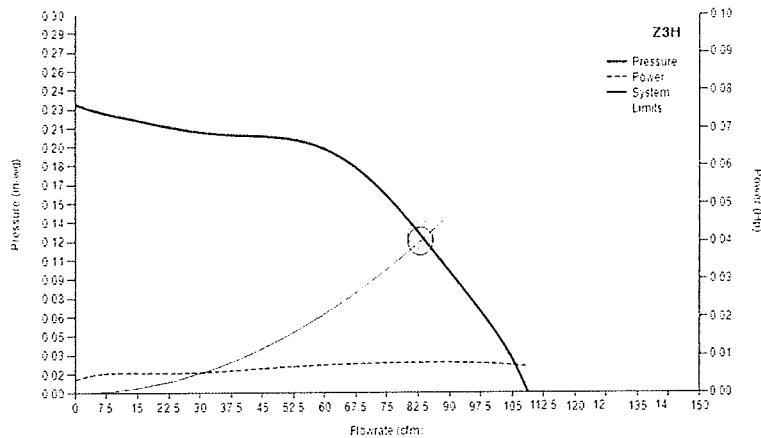
Controllers: 2 - LekTrol SS Speed Ctrlr (Loose)

Guard/Screen: 0 - None

Vibration Isolator: 0 - None

Grilles: G - Galvanized Grille

Performance



Operating Point

Volume (CFM)	83
Static Pressure (in. wg)	0.12
Fan RPM	1546
Horse Power (BHP)	0.008
Elevation (ft)	0
Temperature (°F)	70
Drive Loss (%)	N/A

Motor Information

Motor HP	N/A
Volt/Ph/Hz	115V/1PH/60HZ
Enclosure	3 - ODP w/Overload
NEC FLA*	0
Weight+ (lbs)	N/A

* 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

(continued)

SOUND POWER

OCTAVE POWER CENTER FREQUENCY (hz)

63	125	250	500	1000	2000	4000	8000
60	50	50	49	47	40	33	28

LWA	DbA	Sones
51	39.4	2.3

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.



Z8S

Ceiling/Inline Duct Mounted Cabinet Exhaust Fan

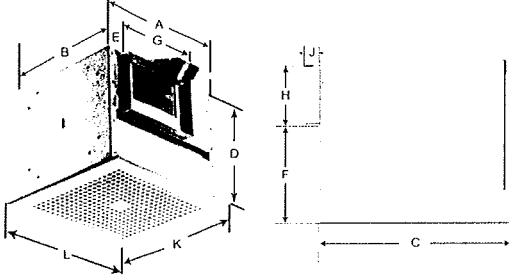
Quantity:

6

Special:

None

Dimensions



Unit Size	A	B	C	D
8	13.88	11.38	17.38	11.38

E	F	G	H	J
1.88	5.25	8	6	0.75

K	L	Weight
13.25	14.88	20

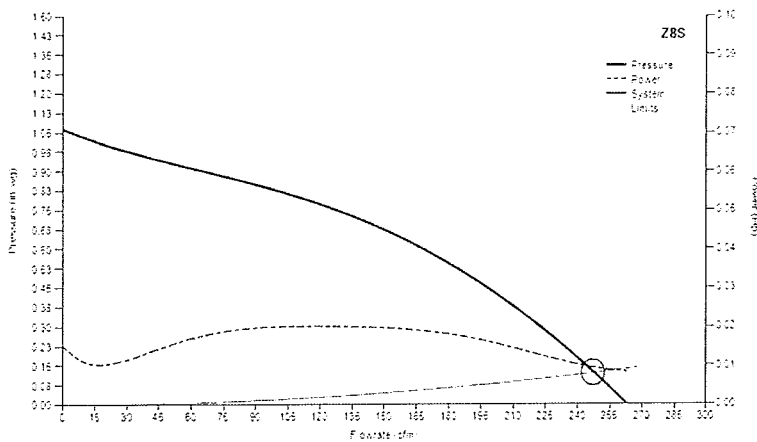
Standard Construction Features

- Galvanized housing lined with acoustical insulation
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- Includes electrical disconnect "plug" to pre-wired junction box
- Fan/motor/wheel "power pack" is removable
- Corrosion resistant fasteners

Accessories

Application: E - Exhaust
 Drive Type: D - Direct
 Efficiency: S - Standard
 Motor Tap: S
 Controllers: 2 - LekTrol SS Speed Ctrlr (Loose)
 Guard/Screen: 0 - None
 Vibration Isolator: 0 - None
 Grilles: G - Galvanized Grille

Performance



Operating Point

Volume (CFM)	247
Static Pressure (in. wg)	0.12
Fan RPM	1037
Horse Power (BHP)	0.009
Elevation (ft)	0
Temperature (°F)	70
Drive Loss (%)	N/A

Motor Information

Motor HP	N/A
Volt/Ph/Hz	115V/1PH/60HZ
Enclosure	3 - ODP w/Overload
NEC FLA*	0
Weight+ (lbs)	N/A

* 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

(continued)

SOUND POWER

OCTAVE POWER CENTER FREQUENCY (hz)

63	125	250	500	1000	2000	4000	8000
53	55	49	49	48	40	32	28



LWA	DbA	Sones
51	39.6	2.3

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.