Introducing the



Innovative design/Cleaner indoor air/Healthier choice

Coziahr Heating and Air Conditioning

Leadership - Past and Present







Dave Coziahr

Owner/President

B.S. Construction Engineering -Mechanical emphasis - ISU

Engineer-In-Training



Luanne Coziahr Owner/Vice President B.S. Plant Pathology - ISU M.S. Biological Science -UNL

Walt Coziahr

Founder 1936

Deceased 1960

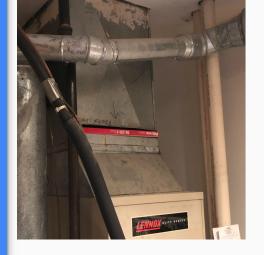
Walter Coziahr

Retired

Owner/President 1960 - 1999 Iowa State College - Engineering

The Problem

The typical HVAC air filtering system is poorly designed, grossly undersized and woefully ineffective.







Static Pressure Measurements					
Equip	ment	Fil	ter		
Entering Pressure Exiting Pressure Total ESP	.28	Before Pressure After Pressure Pressure Drop	.81		
Du	ıct	Ca	il		
Supply Pressure Drop Return Pressure Drop Total Pressure Drop	.15	Before Pressure After Pressure Pressure Drop	.17		

80K Btu/hr, 90% AFUE furnace requires 1200 cfm. Plotted air flow: 750 cfm. 2-½ ton air conditioner requires 1000 cfm. Plotted air flow: 680 cfm.



The Solution

The Cozi-Aire Filter Cabinet

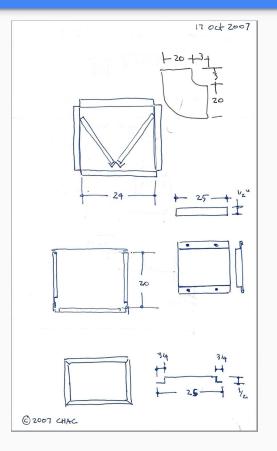
Engineered for:

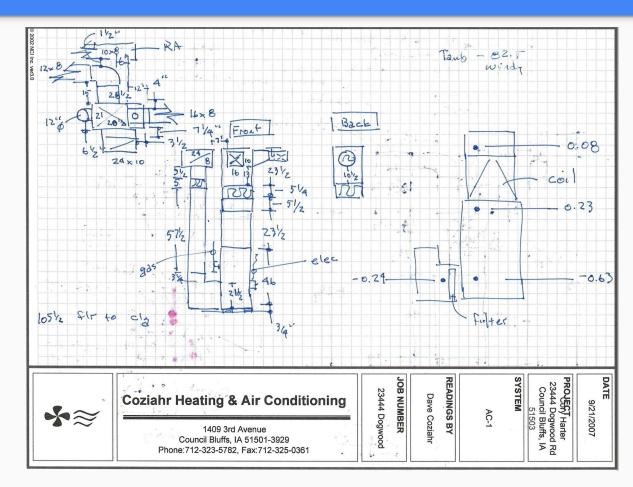
- Extremely low pressure drops
- Easy filter change
- Standard filter sizes
- ★ Use with multiple MERV filter ratings
- ★ Use with all furnace and air handler cabinet widths
- Compact size, and Low duct leakage

Cozi-Aire Filter Cabinet Timeline

	• Oct 200 Production a of first Cozi- filter cabinet 2-20"x25"x1"	nd installation Aire C-width using		Jun 20 Expand pro include MEI thick filters	duct line to	May 2021 Purchase first TE Digital TrueFlow		Finalize cabinet testing	
200)7	2008	2020	2021		2	2024		
	Aug 2007	• Jan 20 Expand prod			Feb 2	2021 EC TrueFlow Air	Jan 2024 Begin bench testing	g of the First prese	
©2024 CHAC	Attend first NCI air flow course led by Rob Falke	* *	pinet widths			ow Meter to	Cozi-Aire cabinets and 2" thick MER 13 and 15 filters	s using 1" of the Co	zi-Aire

First Cabinet





Job Site Information Sheets (Data collection)

ruplaced cantor

Telephone:

Start Time:

Init. Adj.

Pearson

3623 AVEB

Conditioning

Air

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Coziahr

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V20214

CBIA 51501

1-14-24

	Coziabr Heating Air Conditioning 3: 50 arrive	
	Coziahr Heating Air Conditioning	Robato,
Coziahr Heating Air Conditioning	installed 1-8-14 4:05	Job Site Information Sheet / +
1409 3rd Avenue	Jobsite Infortmation Sheet	
Council Bluffs, IA 51501-3929	Owner: Date: 6-12-15	PU DIALAK FARUTA
712-323-5782	Name: Jim Drannan Summary:	Equipment Information
Jobsite Information Sheet	Street: 2271 Liberty CANT	Make: GODOMAN Make: Date:
Owner: Date: 21 Sep 07	City: MO Valley State:	
Name: Harter Problem summary:	Zip: Phone:	
Street 23444 Dogwood	Product Information:	
City: State:	Furnace: Make: emplotar Outdoor unit: Make: Tempstar	Year Built: Input Cap., Btu/Hr: O Year Built: Capacity: Year Start
Zip Code: Phone:	Model: N9MSE0801716A1 Model: TXA630GKA	There Built: Input Cape, Bay Hir. Year Built: Input Cape, Bay Hir. Year Built: Capacity: Can Type: AFUE Ratifier (197). Bethigmant: Multi-Sauge?:
	Serial number: A 134950135 Serial number: E 140506092	Address
Product information:	Stat.: Make: HWTH6110 Indoor coil: Make: Temp star	SEER: SEER
Furnace: Make: Lennox. Outdoor unit: Make:	Model: 5x04×30L17A1	<u>w</u> Make: Make: 3/a23
Model: 623 83/4-100-6 Model: H529-042-1P	Hum.: Make: Serial number: X 14 235 368 7	mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state mathematical state
Serial number: 5899149452 Serial number: 5899150316	Model: Refrigerant: RAIDA Metering device: TEN	Mar IN
Thermostat: Make: Indoor coil: Make:	Filter: Make: Other products:	Make: Š S/N: Telephone M/N: Year Built Metering Device: Telephone
Model: Model:	Model:	I M/N: Year Built: Metering Device:
Humidifier: Make: Serial number:	Type: Size: 1 (x 20¥)	Make:
Model: Refrigerant: Metering device:	Equipment Performance:	by M/Ni gr M/Ni Gr Gr
Filter: Make: Other products:	Heating: Btu = cfm*1.08*AT Cooling: Btu = cfm*4.5*AH OAT: 69 F	Make: by B C
Model:	Temps: <u>LH</u> d.b. w.b. H Refrig:	Equipment Performance
Type: pleated Size: 20x25x1	Rated Temp. rise: 64.0 RAT: 68.8 60.9 27.08 T SL: Superheat	1st Reading 2nd Reading 3rd Reading Shut Down
Operating conditions:	SAT: 89.4 SAT: 53.2 51.5 21.07 SST	
Temperatures:	RAT: $\Delta T = [5.6 \text{ F} \Delta H = 6.0] \text{ Btu/lb}$ LST Subcooling	CO, ppm < 99ppm 189 (a) 15 13
Heating: Cooling:	$\Delta T = F$ TU:	02,% 6%-9% 12.8 12.1 11.9
Air Temperatures: Air Temperatures: Refrig. Temps.:	HGT: F	St. Temp, F 110F - 140F 94 109 / 16 Temp, Rise ΔT:
Rated Temp. rise: Rated Temp. drop: 17 to 22F T liquid: Superheat:	Combustion:	Low 26-65 Init 1200 Init 77
T supply: T return: T Sat. liq:		$\begin{array}{c c c c c c c c c c c c c c c c c c c $
T return: T supply: T Sat. vap: Subcooling:	CO Light-off: ppm 02, % CO, ppm ST, F 02 range: 6% to 9% CO range: 0 to 99 ppm 1st: ST range: Natural Draft: SAT + 270 to 370F	Pressure, iwc Pressure, iwc Design ESP, iwc 0, 5
Actual Temp. rise: Actual Temp. drop: T vapor:	2nd: Induced Draft: SAT + 170 to 270F	Inlet NA Init. Adj.
T vent: T hot gas:	3rd: Condensing furnace: SAT = 130 to 140F	Manifold-Init. 2,77 A - 0.14 Return duct, A 0.19
Pressures:	Heating: (IWC) System: (IWC) Cooling: (psig)	$\overleftarrow{\mathbf{G}}$ Manifold-Adj. OAT, F $\overleftarrow{\mathbf{G}}$ $\overleftarrow{\mathbf{G}}$ $\overleftarrow{\mathbf{G}}$ $\overrightarrow{\mathbf{G}}$
Treating. System US JAN Looling:	Gas inlet: Rated ESP: 0.50 ΔP filter: 0.51 P SL:	OAT, F C 0, 1/ ESP, B + C D. 20 C D 0, 00 ΔP coil, C-D 0.33
	Manifold low: System in: ~0.70 \Decil: 0.11 PLL:	1 cu. Ft. Dial Supply duct. D 0,00
Manifold: System in: -0.63 .0.2 P vapor: Vent: System out: 0.23 0.12 Supply duct: 0.08 0.07	Manifold hi: System out: 0.24 ΔP duct: 0.32 Airflow:	PRESS. Pressure, iwc
Dening Manuard ESD 0 01 0 00 Call in 10		SWITCH Design Meas. Heat-Init. Heat-Adj.
Electrical:	Stack: ESP: 0.94 Extrange: 20%*ESP Nat. Draft: 100cfm/10,0008tu	IDM-Low NA -1.7 Speed
Indoor: Outdoor:	Drain: Required airflow: 100 ofm Duct range: 40%*ESP Ind. Draft: 130cfm/10,000Btu	t DM-High Dmin-Low N/C Dmin-High N/C Dmin-High American DBAFF American DB
Volts: Amps: Volts: Amps:	Airflow: 12.3.4 cfm Coil range: 40%*ESP Condensing: 150cfm/10,000Btu	Drain-High 5 Cfm-Meas. 854
Line: C R S		
Blower: Speed: Compressor:	Elec: Indoor: Voltage: Mtr. Spd: Amps: Outdoor: Comp.: Fan:	MOTOR Design Meas. Watts River
IDM: Fan motor:	Hot to neutral: Biwr low: bl h = cost Voltage:	IDM-Low 1, 4 1, 51 IDM-High Fan Efficacy, w/cfm
Tranformer: Flame sense:	Hot to grnd: Blwr hi: blue heat Amps:	10 Martinga
	Neutral to grnd: IDM low: C:	ignito, 2 KibC
	Hot to R: IDM hi: R:	Design Meas. L1 to R Neut. To Grand. Amps _{Total} Flame sense
	Transformer: Flame sense: S:	Mailing Address: 2644 Avenue D
		Fabrication Facility: 1409 3rd Avenue
	2644 Ave D Council Bluffs, IA 51501 Telephone:712-323-5782	© 2021 CHAC Telephone: 712-323-5782. Cell/Text: 402-660-4974

Measuring Static Pressure and Air Flow





Date tested: 4/29/2024 4/29/2024 1:22:43 PM Company info Name: Coziahr Htg & A/C Phone: (712) 323-5782 Email: coziahr@gmail.com

Tech info Name: David Coziahr ID: 263 Title: Owner Credentials: BPI 5044809

True Flow System Air Flow and Static Pressure Analysis Air measurements System & Conditions

Total air flow = 1005 SCFM Return duct = -0.120 inH O After filter = -0.284 inH_0 Supply duct = 0.042 inH₀O

Cooling Climate: Moist System Type: Electric Elevation: 981 ft Orientation: Upflow Return temp: 66° F Cooling Capacity: 2.5 Filter Location: InDuct



Customer

Deupree Name:

Phone: N/A

Email: N/A

Address: 3318 Avenue G Council Bluffs IA 51501 United States

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TEC

Customer Arlon Deupree 125 Applewood Court Council Bluffs, IA 51503

measureQuic

A/C System Test 5/30/2024, 1:03:17 PM

Outdoor Measurements	5	Indoor Measurements			System Profile & Weather I	Data
Low Pressure (PSIG/*F):	110.0 / -61.8	Return Temp (°F):	70.9		System Type:	Split
High Pressure (PSIG/°F):	302.5 / -61.8	Return %RH:	50.8		Nominal Tonnage:	3.0
Suction Line Temp (°F):	53.6	 Return Wet Bulb (*F):	59.2		Refrigerant:	R410A
Liquid Line Temp (°F):	75.8	 Supply Temp (*F):	51.4		Nom. Airflow (SCFM/Ton):	400
Discharge Line Temp (°F):	-	Supply %RH:	82.4		SEER:	13-16
Dutdoor Air Temp (°F):	76.4	 Supply Wet Bulb (°F):	48.6		Metering Device:	тхи
Superheat (°F):	115.5	Airflow, Estimated (SCFM):	1,200	▦	Atmospheric Pressure (PSIA):	14.179
Subcooling ("F):	-	Airflow, Measured (SCFM):	1,098	#	Elevation (ft):	988
Condenser Voltage:	241.2	 Total External Static Pres (inH2O):	0.5	#	Temperature (°F):	75.0
Condenser Amperage:	6.9	 AHU Voltage:	120.7		Humidity (%):	56.0
Condenser Power Factor:	0.96	 AHU Amperage:	1.4		Dew Point (°F):	58.7
Condenser Power (W):	1,617	 AHU Power Factor:	0.78		System Stability:	Stable
		AHU Power (W):	307		System Benchmarked:	No

- Oslaulatian

renorma	nce Calcula	uons			
Capacity C	Calculations:		Air-side Performance:		
vominal:	3.0 Tons / 36	6,000 Btu/h	Temp Split Target:	19.8°F	
			Temp Split:	19.5°F	
Vormalized	1: 2.7 Tons / 32	2,631 Btu/h	Dehumidification:	7.5 lb/hr	
Actual:	2.6 Tons / 30),716 Btu/h 4 Normalized)		0.9 gal/hr	
Sensible: 1.9 Tons / 22,601 Btu/h		System Efficiency:			
	(88.11	6 Normalized)	Fan Efficacy:	0.28	
atent:	0.7 Tons / 8 (116.4)	1,115 Btu/h 6 Normalized)	Total Power:	1,924	
Sensible H	eat Ratio:	0.74	EER/EER2:	16.0/15.3	
			~SEER/SEER2:	17.7/16.9	
			Sensible Efficiency:	88.1%	
lotes:			Fltr. Face Velocity:	158 FPM	
lest starte	d on 5/30/2024	, 12:35:20 PM.			



LUXAIRE AL19B3621S W2F2552505

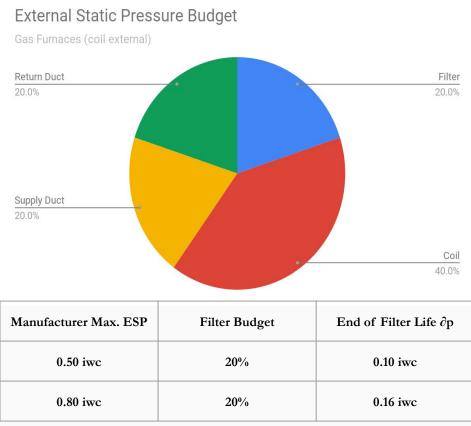
ID Coords: 41.2435. -95.7974 Condenser Make: LUXAIRE Model: AL19B3621S Serial: W2F2552505 Air Handler Make: RUUD Model: UGPR-10EBRMR Serial: GX5D301F390703590 Evaporator Make: LUXAIRE

Model: CM36CXA1C

Serial: W2N1786241



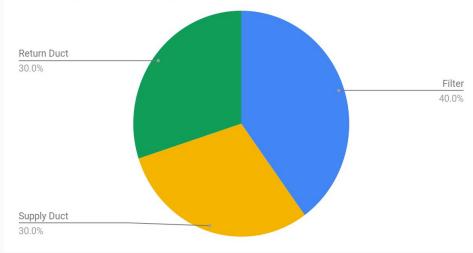
External Static Pressure Budget



Manufacturer Max. ESP	Filter Budget	End of Filter Life ∂p
0.50 iwc	40%	0.20 iwc
0.80 iwc	40%	0.32 iwc

External Static Pressure Budget

Air Handling Units (coil internal)



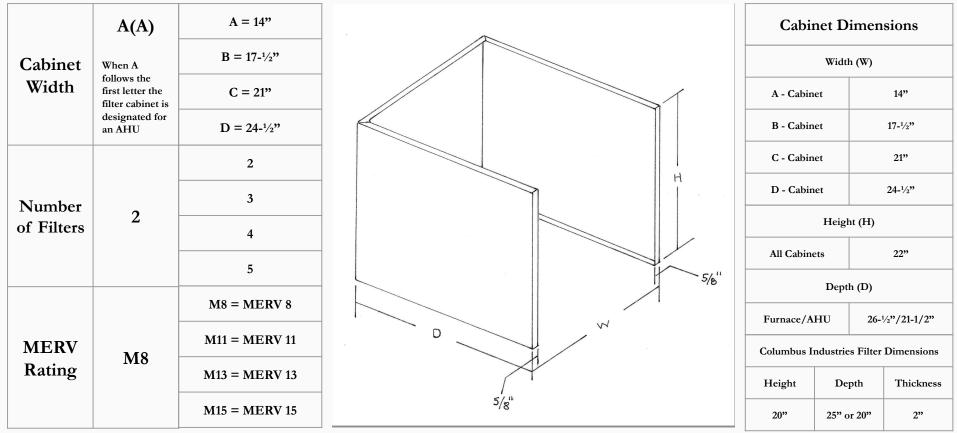
Particle Size and Filter Efficiency



TABLE 3: MERV PARAMETERS

Standard 52.2 Minimum	Composite Ave	Composite Average Particle Size Efficiency, % in Size Range, µm			
Efficiency Reporting Value (MERV)	Range 1 (0.3-1.0)	Range 2 (1.0-3.0)	Range 3 (3.0-10.0)	ASHRAE Arrestance	
1	n/a	n/a	E3 < 20	Aavg < 65	
2	n/a	n/a	E3 < 20	65 ≤ Aavg < 70	
3	n/a	n/a	E3 < 20	70 ≤ Aavg < 75	
4	n/a	n/a	E3 < 20	75 ≤ Aavg	
5	n/a	n/a	20 ≤ E3< 35	n/a	
6	n/a	n/a	35 ≤ E3< 50	n/a	
7	n/a	n/a	50 ≤ E3< 70	n/a	
8	n/a	n/a	70 ≤ E3	n/a	
9	n/a	E2 < 50	85 ≤ E3	n/a	
10	n/a	50 ≤ E2< 65	85 ≤ E3	n/a	
11	n/a	65 ≤ E2< 80	85 ≤ E3	n/a	
12	n/a	80 ≤ E2	90 ≤ E3	n/a	
13	E1<75	90 ≤ E2	90 ≤ E3	n/a	
14	75 ≤ E1< 85	90 ≤ E2	90 ≤ E3	n/a	
15	85 ≤ E1< 95	90 ≤ E2	90 ≤ E3	n/a	
16	95 ≤ E1	95 ≤ E2	95 ≤ E3	n/a	

Product Nomenclature and Physical Dimensions



Applications







Suggested Air Flow Ranges

Cabinet Width	Air Flow, cfm	Cabinet Width	Air Flow, cfm
A2	600 to 800	C3	1,000 to 1,200
A3	1,000 to 1,200	C4	1,600 to 1,800
B2	800 to 1,000	D4	1,600 to 1,800
B3	1,400 to 1,600	D5	1,800 to 2,400

Cozi-Aire Filter Cabinet Bench Test Configuration





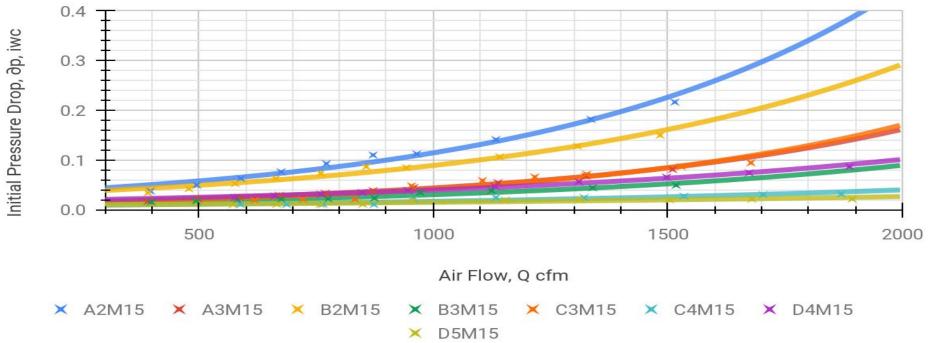


Cozi-Aire Filter Cabinet Performance Data (D5M15)

Filter Cabin	et Pressures	Filter Rating*	BD3**	Alt Correction	0.96
Inlet Press.	Outlet Press.	MERV 15	Corrected cfm	Airflow, cfm	Ring
0.2320	0.2107	0.0213	1972	2054	А
0.1872	0.1661	0.0211	1749	1822	А
0.1512	0.1312	0.0200	1567	1632	А
0.1206	0.1002	0.0204	1368	1425	А
0.0962	0.0771	0.0191	1202	1252	А
0.0695	0.0514	0.0181	996	1037	А
0.0547	0.0440	0.0107	885	922	В
0.0458	0.0352	0.0106	791	824	В
0.0377	0.0271	0.0106	694	723	В
0.0300	0.0200	0.0100	597	622	В
* - all filters are ma	nufactured by Colur	nbus Industries			
** - The Energy Co	onservatory BD3 blo	ower door fan, s/n: :	29338		
*** - air density corrected, RAT: 68F, RArh: 47%, altitude: 980 ft.					
**** -duct leakage		4.00%			
2" MERV 8 - 9 plea pleats/ft, 2" MERV					

Filter Cabinet Performance

Cabinets with 20"x25"x2" MERV 15 filters



Filter Sizer App

	Heating Target Air Flow				
Heating Type	Air Flow	Heating	Heating Target Air Flow,		
Gas	cfm/MBtuh	MBtuł	n Input	cfm	
AFUE_80	13	80		1040	
Cooling Target Air Flow					
Air	Flow	Cooling Capacity	Cooling Target Air Flow,	Dominant Mode	
Climate	cfm/ton	Tons	cfm	Heating	
Mixed	400	2.5	1000	1040	
	:	System Static Pressure Budge			
Equip ESP, iwc	Coil Location	Ductwork Press, iwc	Coil Press, iwc	Filter Press, iwc	
0.50	External	0.20	0.20	0.10	
Filter Cabir	Filter Cabinet Selection		Projected Cabinet Performance		
Cabinet Width	Number and Type of Filters	Clean Filter Factor of Safety	Target Initial Pressure Drop	Projected Initial Pressure Drop, iwc	
С	C3M11	1.50	0.067	0.031	
				Meets Target	

Cozi-Aire Duct Leakage Test



Duct Leakage Test **Testing Company:** Technician: David Coziahr Name: WCI Name: Address: 2644 Avenue D Credentials: BPI certification number: 5044809 Council Bluffs , IA 51501 coziahr@gmail.com Email: Phone: 712-323-5782 www.coziahrhvac.com **Building Information:** Customer Information: Project ID: Cozi-Aire D-width cabinet Name: Address: Address: Geo-Tag Data: Latitude: Longitude: Timestamp: 0.40 CFM25/100 ft² Measured Leakage: Leakage Target: 6.00 CFM25/100 ft² Compliance with Leakage Target: Pass Test ID: 11Jun2024_DLT Purpose of Test: Iowa 2012IECC Total Leakage Measured CFM25: 6.5 Conditioned Floor Area: 1,600.0 ft² AH Flow: 2,000.0 cfm (cooling) Coefficient (C): 0.9 Exponent (n): 0.600 (assumed) Test Standard: RESNET 380 Total Duct Leakage Test Mode: Depressurize Time Average Period: 10 seconds Test Characteristics: 2024-06-11 15:16:54 Test Date and Time: 10 • Depressurize -Ê ge 5 Duct | 3 2 7 8 9 10 20 5 6 30 40 50 1 Duct Pressure (Pa)

Field Test Results (B2M8) (B2M15)





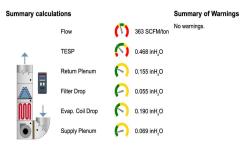
Date tested: 7/6/2023 Tech info Spetman new motor med speed Name: David Coziahr Company info ID: 263 Name: Coziahr Htg & A/C Phone: (712) 323-5782 Credentials: BPI 5044809 Email: coziahr@gmail.com

True Flow System Air Flow and Static Pressure Analysis Air measurements System & Conditions

Total air flow = 908 SCFM Return duct = -0.155 inH O After filter = -0.209 inH_O Before evap, coil = 0.259 inH.O Supply duct = 0.069 inH_O

Cooling Climate: Moist System Type: Fuel Elevation: 1223 ft Orientation: Unflow Return temp: 72° F Cooling Capacity: 2.5 Filter Location: InDuct

Title: Owner



Customer

Spetman Name:

Phone: N/A N/A Email:

Address: 19914 Honeysuckle Rd Council Bluffs IA 51503 United States

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Customer

DeeDee Spetman

dspetman@gmail.com

Address: 19914 Honevsuckle Road Council Bluffs IA 51503

(402) 345-5558

Name:

Phone:

Email:

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True Flow System Air Flow and Static Pressure Analysis System & Conditions Air measurements Total air flow = 880 SCFM Cooling Climate: Moist System Type: Fuel Return duct = -0.150 inH O Elevation: 1220 ft Orientation: Upflow Return temp: 73° F Cooling Capacity: 2.5 After filter = -0.230 inH_O Before evap, coil = 0.248 inH.O Filter Location: InDuct Supply duct = 0.072 inH_oO Summary calculations Summary of Warnings 352 SCFM/ton ALow Flow; High Return Pressure. Flow Maximum TESP Adjusted By User (1) 0.478 inH₂O TESP 0.150 inH_O Return Plenum -Filter Drop 0.080 inH_O 0.176 inH_O Evap, Coil Drop 0.072 inH_O Supply Plenum

Date tested: 6/18/2024

6/18/2024 10:49:00 AM

Name: Coziahr Htg & A/C

Email: coziahr@gmail.com

Phone: (712) 323-5782

Company info

Tech info

ID: 263

Title: Owner

Name: David Coziahr

Credentials: BPI 5044809



Field Test Results (A2M8) and (A2M15)



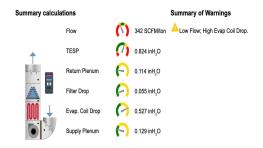


Date tested: 2/24/2024 Meade Company info Name: Coziahr Htg & A/C Phone: (712) 323-5782 Email: coziahr@gmail.com

Tech info Name: David Coziahr ID: 263 Title: Owner Credentials: BPI 5044809

True Flow System Air Flow and Static Pressure Analysis Air measurements System & Conditions

Total air flow = 734 SCFM Return duct = -0.114 inH₂O After filter = -0.169 inH₂O Before evap. coil = 0.656 inH₂O Supply duct = 0.129 inH₂O Cooling Climate: Moist Elevation: 1157 ft Return temp: 66° F Cooling Capacity: 2,145 Filter Location: InDuct



Customer

Name: Meade Phone: N/A

Email: N/A Address: N/A

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Date tested: 6/8/2024 6/8/2024 2:49:16 PM Company info Name: Coziahr Hig & A/C Phone: (712) 323-5782 Email: coziahr@gmail.com Tech info Name: David Coziahr ID: 263 Title: Owner Credentials: BPI 5044809

True Flow System Air Flow and Static Pressure Analysis System & Conditions Air measurements Total air flow = 723 CFM Cooling Climate: Moist System Type: Fuel Elevation: 1161 ft Orientation: Upflow Return duct = -0.120 inH.O After filter = -0.207 inH_O Cooling Capacity: 2 Filter Location: InDuct Before evap. coil = 0.595 inH_sO Supply duct = 0.109 inH₂O Summary calculations Summary of Warnings Flow is OK; High TESP. () 362 CFM/ton Flow Flow is OK; High Evap Coil Drop. 0.802 inH_sO TESP Maximum TESP Adjusted By User (N) 0.120 inH,O Return Plenum Filter Drop 0.087 inH_O Evap. Coil Drop 0.486 inH_O 0.109 inH_O Supply Plenum

Custom	er
Name:	Mary Meade
Phone:	N/A
Email:	N/A
Address:	248 Zenith Dr Council Bluffs IA 51503

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United States



Field Results (C3M8)





Date tested: 9/15/2023 Bates_TF report Company info Name: Coziahr Htg & A/C Phone: (712) 323-5782 Email: coziahr@gmail.com Tech info Name: David Coziahr ID: 263 Title: Owner Credentials: BPI 5044809

True Flow System Air Flow and Static Pressure Analysis Air measurements System & Conditions

Total air flow = 1069 SCFM Return duct = -0.381 inH₂O After filter = -0.416 inH₂O Supply duct = 0.106 inH₃O Cooling Climate: Moist Elevation: 1067 ft Return temp: 74° F System Type: Electric Orientation: Upflow Cooling Capacity: 3 Filter Location: InDuct



Customer

Name:	Bates
Phone:	N/A
Email:	N/A
Address:	N/A

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Field Test Results (C3M8)





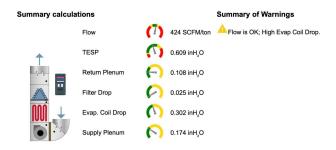
Date tested: 10/20/2023 Lowndes Company info Name: Coziahr Htg & A/C Phone: (712) 323-5782 Email: coziahr@gmail.com Tech info Name: David Coziahr ID: 263 Title: Owner Credentials: BPI 5044809

True Flow System Air Flow and Static Pressure Analysis Air measurements System & Conditions

Total air flow = 1059 SCFM Return duct = -0.108 inH_aO After filter = -0.133 inH_O Before evap. coil = 0.476 inH O Supply duct = 0.174 inH_oO

Cooling Climate: Moist Elevation: 743 ft Return temp: 74° F

System Type: Fuel Orientation: Upflow Cooling Capacity: 2.5 Filter Location: InDuct



Customer

Name:	Lowndes	
Phone:	N/A	
Email:	N/A	

Address: 444 Glen Ave Council Bluffs IA 51503 United States

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Field Test Results (BA2M8)





Date tested: 11/3/2022 510 N 41st St Company info Name: Coziahr Htg & A/C Phone: (712) 323-5782 Email: coziahr@gmail.com Tech info Name: David Coziahr ID: 263 Title: Owner Credentials: BPI 5044809

System Type: Fuel

Orientation: Upflow

Elevation: 1001 ft

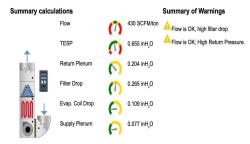
Cooling Capacity: 1.875

Cooling Climate Type: Moist

Filter Location: InDuct

True Flow System Air Flow and Static Pressure Analysis Air measurements System & conditions

Total air flow = 806 SCFM Return duct = -0.204 inH₂O After filter = -0.468 inH₂O Before evap. coil = 0.187 inH₂O Supply duct = 0.077 inH₂O



Customer

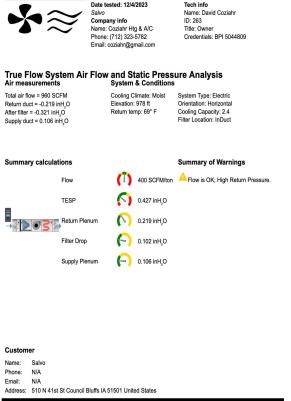
Name: Salvo

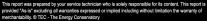
Phone: N/A

Email: N/A

Address: 510 N 41st St Council Bluffs IA 51501 United States

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Thank you for your time



Innovative design/Cleaner indoor air/Healthier choice

What questions can I answer for you?