

**Report By:**

National TAB  
1329 E. KEMPER ROAD  
SUITE 4210  
CINCINNATI, OH 45246



**Report: TAB Report**  
**Function: Test, Adjust, & Balance**  
**Date: 12/04/2025**  
**Completed By: National TAB**

# PROJECT

## 11-24-25 WAWA #7207 CINCINNATI, OH

5308 Fields Ertel Rd

CINCINNATI, OH 45249

**Client**

Wawa  
260 West Baltimore Pike  
Wawa, PA 19063

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

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# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH  
Function: Test, Adjust, & Balance

## Project Summary

### Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

### RTU's (Roof Top Units) w/ Diffusers

Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

### General Exhaust Fans w/ Grilles

The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

### Ceiling Exhaust Fans

The ceiling exhaust fans were measured using a flow hood. If speed adjustment was provided, the fan speed was adjusted to within design tolerance. Any equipment that fell outside of this tolerance is noted throughout the report.

### Final Building Tests

After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report

## Issue List

- RTU ALARMS

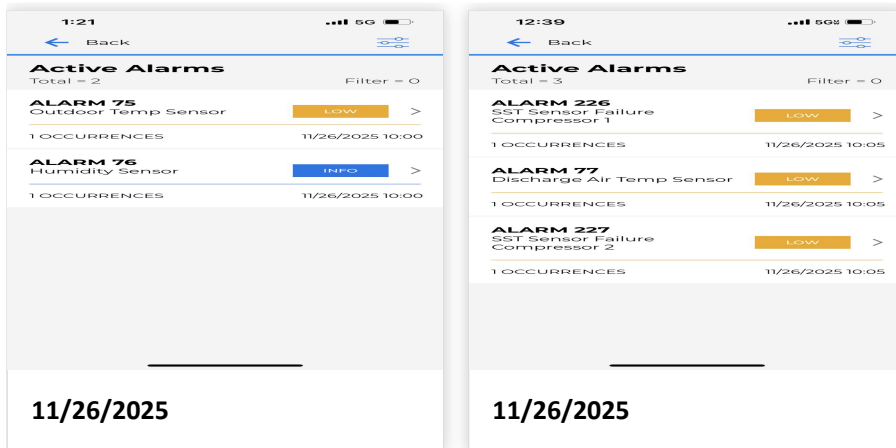


**11-24-25 WAWA #7207 CINCINNATI, OH**

**Project Issue Information**

**Issue Name :** RTU ALARMS  
**Description :** Alarms present on RTUs. Rtu 1: Alarm 75, Alarm 76 Rtu 2: Alarm 77, Alarm 226, Alarm 227  
**Created By :** National TAB                      **Assigned To :** National TAB - Will Turnbough  
**Status :** Open  
**Priority :** Medium                                      **Asset Tag :**  
**Originated Date :** 11/26/2025 - Gabe Merk - National TAB

Project Issue File Details



### AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	BOH	4500	4453	3800	3780	700	673	15.6%	15.1%						
RTU-2	SALES	3400	3346	3020	2957	380	389	11.2%	11.6%						
RTU-3	FOH	2400	2327	2200	2112	200	215	8.3%	9.2%						
EF-2	BOH											400	400		
EF-1	RESTROOMS													375	359
EF-3	TRASH ROOM													200	201
<b>TOTALS</b>		10300	10126	9020	8849	1280	1277			0	0	400	400	575	560

#### NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1280	1277
TOTAL EXHAUST	975	960
<b>NET AIRFLOW</b>	<b>305</b>	<b>317</b>

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.001
SIDE	0.003
REAR	0.003
<b>AVERAGE</b>	<b>0.0023</b>

#### FINAL CHECKS

ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

## CheckList List

- WAWA 01: RTU's/AHU's
- WAWA 02: LENNOX SETUP PARAMETERS
- WAWA 03: SENSOR WIRING (LENNOX)
- WAWA 04: EF'S
- WAWA 05: CLOSEOUT CHECKS



11-24-25 WAWA #7207 CINCINNATI, OH

CheckList Information

**Name :** WAWA 01: RTU's/AHU's **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 10/20/2025 - Tyce Fox - National TAB

**Completed Date :** 11/26/2025 - Gabe Merk - National TAB

CheckList Item Details

RTU's/AHU's

All diffusers and grilles are installed and match design?	Pass
---	------

Comment:

Clean filters installed?	Pass
--------------------------	------

Comment:

Economizers are assembled and functional?	Pass
---	------

Comment:

Motors are all operating below the FLA rating?	Pass
--	------

Comment:

Are belts tight?	N/A
------------------	-----

Comment:

If direct drive unit is the speed controller working?	Pass
---	------

Comment:

Is gas piping installed and valves turned on?	Pass
---	------

Comment:

Condensate drains are installed?

Pass

Comment:

Unit free of noticeable noise and vibration

Pass

Comment:

Final outside air damper position is marked with permanent marker?

Pass

Comment:

No alarms present?

Fail

Comment:

RTU 1: Alarm 75, Alarm 76 RTU 2: Alarm 77, Alarm 226, Alarm 227

Any noticeable duct leakage?

Pass

Comment:

Total supply and OA flows are balanced within +/-5% and supply & return diffusers within +/-10%?

Pass

Comment:

Adjust side wall diffusers on spiral duct that blow towards the coffee island drop-in to prevent issues with it staying at temperature. Fan out of the deflector blades or reduce airflow as necessary to prevent drafting.

Pass

Comment:

IN TEST MODE, TEST THE FOLLOWING:

Cooling mode is operational? Record EAT/LAT for each unit:

Pass

Comment:

Rtu 1: 69/49 Rtu 2: 63/-459 dat not operational Rtu 3: 68/53

Heating mode is operational? Record EAT/LAT for each unit:

Pass

Comment:

Rtu 1: na Rtu 2: 63/-459 dat not operational Rtu 3: 68/90

Dehumidification mode is operational? (Feel dehumidification coil with your hand. Is it hot?) Record EAT/LAT for each unit:

Pass

**Comment:**

Rtu 1: 69/51 (Hot) Rtu 2: 63/-459 dat not operational (Hot) Rtu 3: 69/60 (Hot)



11-24-25 WAWA #7207 CINCINNATI, OH

**CheckList Information**

**Name :** WAWA 02: LENNOX SETUP PARAMETERS      **Status :** Not Completed

**Assigned Organization :** National TAB      **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 10/20/2025 - Tyce Fox - National TAB

**CheckList Item Details**

**UNIT ID CONFIGURATIONS**

**BACNET CONFIGURATION: GO TO SETTINGS>GENERAL>CONFIGURATION ID1 POSITION 5 SET TO "N".**      Pass

**Comment:**

**NETWORK CONFIGURATION: GO TO SETUP>NETWORK INTEGRATION, SET TO BACNET IP**      Pass

**Comment:**

**CONTROL MODE: SET CONTROL MODE TO ROOM SENSOR: CO2, TEMP & HUMIDITY (PER UNIT, AS NEEDED).**      Pass

**Comment:**

**INDIVIDUAL PARAMETER CONFIGURATIONS (MECHANICAL CONTRACTOR TO DEFINE / AS APPLICABLE):**

**PARAMETER 105 DEHUMID MODE: 7 NO CONDITIONS**      Pass

**Comment:**

**PARAMETER 106 DEHUMID SETPOINT: 50, THIS IS A CENTERED SET POINT (+/-)**      Yes

**Comment:**

**PARAMETER 107 DEHUMID DEADBAND: 3 (DEFAULT) THIS IS THE ACTUAL +/- VALUE**      Pass

**Comment:**

PARAMETER 117 CO2 DAMPER MAX OPEN: 50%

Pass

Comment:

PARAMETER 118 CO2 START OPEN PPM: 1500

Pass

Comment:

PARAMETER 119 CO2 MAX OPEN PPM: 1500

Pass

Comment:

PARAMETER 137 OCCHET SET POINT: 68 (BACK UP)

Pass

Comment:

PARAMETER 131 SET TO THE SAME % AS THE MINMIUM OA DAMPER SETPOINT

Pass

Comment:

PARAMETER 139 OCC COOLING SET POINT: 72 (BACK UP)

Pass

Comment:

PARAMETER 154 OCC BLOWER MODE: ON-CONTINUOUS 1

Pass

Comment:

CFM VALUES / MSAV FAN SPEEDS (AIR BALANCER TO DEFINE / IF APPLICABLE):

OA DAMPER SET TO SAME POSITION IN ALL FAN SPEEDS?

Pass

Comment:

ALL FAN SPEEDS SET TO THE SAME CFM VALUE (ENTER SETPOINTS BELOW)

Pass

Comment:

RTU1: 77% RTU2: 63% RTU3: 85%

HEAT CFM VALUE: PER THE HVAC SCHEDULE

N/A

Comment:

HIGH COOL CFM VALUE: THE HIGH COOL CFM VALUE

N/A

**Comment:**

---

**LOW COOL CFM VALUE: MATCH THE HIGH COOL CFM VALUE**

N/A

---

**Comment:**

---

**VENTILATION CFM VALUE: MATCH THE HIGH COOL CFM VALUE**

N/A

---

**Comment:**

---



11-24-25 WAWA #7207 CINCINNATI, OH

**CheckList Information**

**Name :** WAWA 03: SENSOR WIRING (LENNOX) **Status :** Completed  
**Assigned Organization :** National TAB **Asset :**  
**Requesting Organization :** National TAB  
**Created Date :** 10/20/2025 - Tyce Fox - National TAB  
**Completed Date :** 11/26/2025 - Gabe Merk - National TAB

**CheckList Item Details**

**COMBINATION TEMPERATURE/HUMIDITY SENSOR**

**Sensors are installed where shown on the drawing?** Pass

**Comment:**

**2 conductor shielded cable has one wire landed to Vin, one to GND, and the shield wire is not connected.** Pass

**Comment:**

**For second shielded cable, one wire is landed to Vout and the shield wire is not connected.** Pass

**Comment:**

**Verify that the CORE or Prodigy controller is sensing a relative humidity (record the reading)** Pass

**Comment:**

Rtu 1: 21% Rtu 2: 21% Rtu 3: 20%



11-24-25 WAWA #7207 CINCINNATI, OH

CheckList Information

**Name :** WAWA 04: EF'S **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 10/20/2025 - Tyce Fox - National TAB

**Completed Date :** 11/26/2025 - Gabe Merk - National TAB

CheckList Item Details

EF's

<b>Rotation is correct?</b>	Pass
-----------------------------	------

**Comment:**

<b>Belts are tight (if applicable)?</b>	Pass
---	------

**Comment:**

<b>Speed controller installed and functional (if applicable)?</b>	Pass
---	------

**Comment:**

missing on ef 3

<b>There is no major leakage around base of fan?</b>	Pass
--	------

**Comment:**

<b>Is the motor operating below the motor FLA rating?</b>	Pass
---	------

**Comment:**

<b>Back draft damper installed and can it fully open?</b>	Pass
---	------

**Comment:**

**Unit free of noticeable noise and vibration?**

Pass

**Comment:**

**Total exhaust flow balanced within +/-5% and grilles are within +/-10%?**

Pass

**Comment:**



11-24-25 WAWA #7207 CINCINNATI, OH

**CheckList Information**

**Name :** WAWA 05: CLOSEOUT CHECKS **Status :** Completed

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 10/20/2025 - Tyce Fox - National TAB

**Completed Date :** 11/26/2025 - Gabe Merk - National TAB

**CheckList Item Details**

**SPACE COMFORT**

**Is space free of drafting?** Pass

**Comment:**

**Is space comfortable in all areas?** Pass

**Comment:**

**Is the space free of ventilation noise?** Pass

**Comment:**

**BUILDING PRESSURE**

**Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)** Pass

**Comment:**

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

System/Unit: AHU/RTU



Asset: RTU1

AREA:BOH

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624J00867
Model Num	LCT150H4E	LCT150H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	16"x25"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	3.75	3.8
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7

Test Data		
	Design	Actual
SF CFM	4500	4453
RA CFM	3800	3780
OA CFM	700	673
RL Voltage	-	210/219/211
RL Amperage	-	4.3/4.0/4.0
SF Rotation	-	CCW
SF System SetPt	-	77%
RA Damper Position	-	MECHANICALLY LINKED
Min OA Damper Position	-	25%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	19 BTU

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.56"
Fan Suction SP	-	-0.78"
Fan Discharge SP	-	0.45"
Total ESP	0.70"	1.01"
Fan Total SP	-	1.23"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Gabe Merk on 11/26/2025

## Unit Data - PHOTO LOG



11/26/2025



11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU1/BOH**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ELECTRICAL ROOM	SD1	10"	375	1	304	268	339	90.4
SGRD2	BOH	SD6	10"	400	1	383	320	389	97.3
SGRD3	BOH	SD6	10"	400	1	379	322	378	94.5
SGRD4	BOH	SD6	10"	400	1	546	459	432	108.0
SGRD5	TRASH	SD1	10"	300	1	552	472	305	101.7
SGRD6	FOOD SERVICE	SD6	10"	425	1	381	300	300	70.6
SGRD7	FOOD SERVICE	SD6	10"	425	1	510	418	383	90.1
SGRD8	FOOD SERVICE	SD6	10"	425	1	547	448	448	105.4
SGRD9	FOOD SERVICE	SD6	10"	425	1	428	371	427	100.5
SGRD10	SPECIALITY BEVERAGE	SD6	10"	425	1	527	470	427	100.5
SGRD11	COFFEE	SD6	12"	500	1	748	636	530	106.0
Total				4500		5305	4484	4358	96.84%

**Diffuser Ret/Exh (GRD)**

**RTU1/BOH**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WASHROOM	RG1	16X14	1200	1	965	1173	1173	97.8
EGRD2	BEVERAGE	RG1	14"	870	1	680	843	843	96.9
EGRD3	BEVERAGE	RG1	14"	870	1	746	891	891	102.4
EGRD4	BEVERAGE	RG1	14"	860	1	704	886	886	103.0
Total				3800		3095	3793	3793	99.82%

Completed By: Gabe Merk on 11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

System/Unit: AHU/RTU



Asset: RTU2

AREA:SALES

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624L01992
Model Num	LGT102H4E	LGT102H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	16"x25"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"x25"x2"

Motor Data		
	Design	Actual
Horsepower	3.75	3.8
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7

Test Data		
	Design	Actual
SF CFM	3400	3346
RA CFM	3020	2957
OA CFM	380	389
RL Voltage	-	210/210/211
RL Amperage	-	2.4/2.4/2.3
SF Rotation	-	CCW
SF System SetPt	-	63%
RA Damper Position	-	MECHANICALLY LINKED
Min OA Damper Position	-	26%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	19 BTU

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.52"
Fan Suction SP	-	-0.68"
Fan Discharge SP	-	0.38"
Total ESP	1.00"	0.90"
Fan Total SP	-	1.06"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Gabe Merk on 11/26/2025

## Unit Data - PHOTO LOG



11/26/2025



11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

## AHU/RTU



### Diffuser Supply (GRD)

#### RTU2/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DELIVERY ROOM	SD1	8"	250	1	239	239	239	95.6
SGRD2	MENS RR	SD5	8"	150	1	231	142	142	94.7
SGRD3	REAR VESTIBULE	SD5	8"	200	1	230	205	205	102.5
SGRD4	HALLWAY	SD1	8"	200	1	259	205	205	102.5
SGRD5	WOMENS RR	SD5	8"	100	1	207	104	104	104.0
SGRD6	RETAIL	SD2	16"	275	0.35	354	300	279	101.5
SGRD7	RETAIL	SD2	12"	275	0.35	249	212	258	93.8
SGRD8	RETAIL	SD2	12"	275	0.35	213	181	249	90.5
SGRD9	RETAIL	SD2	12"	275	0.35	286	243	267	97.1
SGRD10	RETAIL	SD2	20"	275	0.35	266	226	252	91.6
SGRD11	RETAIL	SD2	16"	275	0.35	385	327	276	100.4
SGRD12	RETAIL	SD2	12"	300	0.35	277	235	276	92.0
SGRD13	RETAIL	SD2	12"	275	0.35	393	334	295	107.3
SGRD14	RETAIL	SD2	12"	275	0.35	444	377	299	108.7
Total				3400		4033	3330	3346	98.41%

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

System/Unit: AHU/RTU



Asset: RTU3

AREA:FOH

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624L06390
Model Num	LGT072H4E	LGT072H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	31"x16"
Num Final Filter 1	-	4
Final Filter Size 1	-	20"X20"X2"

Motor Data		
	Design	Actual
Horsepower	1.5	1.5
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	4.4

Test Data		
	Design	Actual
SF CFM	2400	2327
RA CFM	2200	2112
OA CFM	200	215
RL Voltage	-	210/210/211
RL Amperage	-	2.6/2.6/2.6
SF Rotation	-	CCW
SF System SetPt	-	85%
RA Damper Position	-	MECHANICALLY LINKED
Min OA Damper Position	-	12%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	19 BTU

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.52"
Fan Suction SP	-	-0.72"
Fan Discharge SP	-	0.50"
Total ESP	0.50"	1.02"
Fan Total SP	-	1.22"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Gabe Merk on 11/26/2025

## Unit Data - PHOTO LOG



11/26/2025



11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU3/FOH**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ASSOC. AREA	SD1	8"	200	1	229	249	209	104.5
SGRD2	OFFICE	SD1	8"	150	1	223	259	143	95.3
SGRD3	VESTIBULE	SD5	6"	250	1	207	235	258	103.2
SGRD4	FOH	SD2	18"	450	0.4	1336	1508	446	99.1
SGRD5	FOH	SD2	18"	450	0.4			431	95.8
SGRD6	FOH	SD2	14"	450	0.4			419	93.1
SGRD7	FOH	SD2	14"	450	0.4			421	93.6
Total				2400		1995	2251	2327	96.96%

Completed By: Gabe Merk on 11/26/2025

Asset	Notes	Date	Written By
SGRD4	CFM(1) AND CFM(2) VALUES ARE VIA TRAVERSE OF THE BRANCH.	11/25/2025	Gabe Merk

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

## System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOMS

Unit Data		
	Design	Actual
<b>MFG</b>	GREENHECK	GREENHECK
<b>Model Num</b>	GB-098-6	GB-098-6-1-19-X
<b>Serial Num</b>	-	26715587
<b>Type</b>	DOWNBLAST	DOWNBLAST
<b>Configuration</b>	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	US MOTORS
<b>Horsepower</b>	0.167	1/6
<b>Motor Rpm</b>	-	1725
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	120	115
<b>Amperage (rated)</b>	-	3.8
<b>Service Factor</b>	-	1.35

Test Data		
	Design	Actual
<b>CFM</b>	375	359
<b>Fan RPM</b>	-	961
<b>Fan Rotation</b>	-	CW
<b>Motor RPM</b>	-	1764
<b>System SetPt</b>	-	5 out
<b>RL Voltage</b>	-	122
<b>RL Amperage</b>	-	3.8
<b>Total ESP</b>	0.38"	0.21"
<b>Fan Inlet SP</b>	-	-0.21"

Completed By: Gabe Merk on 11/26/2025

**Notes:**

Motor sheave: VP25

Motor bore 1/2"

Fan sheave:AK34

Fan bore 3/4"

Belt: 3L-180

Belt cl:5"

Written By: Gabe Merk on 11/26/2025

## Unit Data - PHOTO LOG



11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

#### EF1/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MENS RR	EG1	8X8	225	1	204	182	216	96.0
EGRD2	WOMENS RR	EG1	8X8	150	1	222	184	143	95.3
Total				375		426	366	359	95.73%

Completed By: Gabe Merk on 11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

System/Unit: FAN - Exhaust



Asset: EF2

AREA:BOH

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6-1-19-X
Serial Num	-	26715588
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Horsepower	0.167	1/6
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.8
Service Factor	-	1.35

Test Data		
	Design	Actual
CFM	400	400
Fan RPM	-	1056
Fan Rotation	-	CW
Motor RPM	-	1752
System SetPt	-	3.5 out
RL Voltage	-	122
RL Amperage	-	3.8
Total ESP	0.38"	0.19"
Fan Inlet SP	-	-0.19"

Completed By: Gabe Merk on 11/26/2025

Notes:

Motor sheave: VP25

Motor bore 1/2"

Fan sheave:AK34

Fan bore 3/4"

Belt: 3L-180

Belt cl:5"

Written By: Gabe Merk on 11/26/2025

## Unit Data - PHOTO LOG



11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

## FAN - Exhaust



### Diffuser Ret/Exh (GRD)

#### EF2/BOH

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	RG2	8X8	200	1	242	209	209	104.5
EGRD2	BOH	RG2	8X8	200	1	195	191	191	95.5
Total				400		437	400	400	100%

Completed By: Gabe Merk on 11/26/2025

# National TAB

Project: 11-24-25 WAWA #7207 CINCINNATI, OH

System/Unit: FAN - Exhaust



Asset: EF3

AREA:TRASH ROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200
Serial Num	-	196024834-0066
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	200	201

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Horsepower	0.167	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.7

Completed By: Gabe Merk on 11/26/2025

