

Report By:

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



Report: ASSETS

Function: Test, Adjust, & Balance

Date: 11/17/2025

Completed By: National TAB

PROJECT

**11-10-25 WALGREENS #09022 SPRINGFIELD,
MO (REACTIVE)**

1349 E REPUBLIC RD

SPRINGFIELD, MO 65804

Client

Walgreens

200 WILMOT RD

DEERFIELD, IL 60015

National TAB

Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO (REACTIVE)

Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	22

National TAB

Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: EH-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	Trane
Serial Num	-	Illegible
Model Num	NA	Illegible
Type	-	Entrance Heater
Configuration	-	Vertical
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	2
Final Filter Size 1	-	20x31

Test Data		
	Design	Actual
SF CFM	2400	0
SF RPM	-	0
RA CFM	-	0
OA CFM	-	0
RL Voltage	-	0
RL Amperage	-	0
SF Rotation	-	NA
SF System SetPt	-	5 TURNS

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56-70
Horsepower	-	1.5
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	208-230/460
Rated Amperage	-	4.8/2.4

General	
	Actual
Fan Rotation Correct	NA
Unit Filters Clean	Yes
Condensate Drain Installed	N/A

Drive Data	
	Actual
Motor Sheave Size	5/8
Motor Bore Size	4"
Motor Sheave SetPt	5 turns
Fan Sheave Size	7"
Fan Sheave Bore	1"
Belt CL Distance	13"
Num of Belts	1
Belt Size	Ax40
Belt Alignment	Good

Completed By: Cody Collett on 11/17/2025

Notes:

Not seen running during TAB. Test mode on grid point does not start unit. No thermostat strip on unit to jumper wire into running. Unable to test.

Unit labels illegible due to age.

Written By: Cody Collett on 11/14/2025

National TAB

Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: RTU1

AREA:GENERAL SALES

Unit Data		
	Design	Actual
MFG	TRANE	York
Serial Num	-	N2K3860026
Model Num	YHC-092-A3-RMA-H0A0C	ZT090N12R2B5GCA2R2
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29x20.5"
Num Final Filter 1	-	2
Final Filter Size 1	-	19.5x37"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR RELIANCE
Frame	-	56HZ
Horsepower	2.0	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.3

Drive Data	
	Actual
Motor Sheave Size	5"
Motor Bore Size	7/8"
Motor Sheave SetPt	4 turns
Fan Sheave Size	7"
Fan Sheave Bore	7/8"
Belt CL Distance	19.5
Num of Belts	1
Belt Size	A54
Belt Alignment	Good

Test Data		
	Design	Actual
SF CFM	3150	Not running
SF RPM	-	Not running
RA CFM	2677	Not running
OA CFM	473	Not running
RL Voltage	-	Not running
RL Amperage	-	Not running
SF Rotation	-	Not running
SF System SetPt	-	Not running
RA Damper Position	-	Not running
Min OA Damper Position	-	Not running
Min OA Damper Type	-	Economizer
OA Enthalpy Setpt	-	24BTU/ton

Performance Data		
	Design	Actual
MA Plenum SP	-	Not running
Fan Suction SP	-	Not running
Fan Discharge SP	-	Not running
Total ESP	0.6"	Not running
Fan Total SP	-	Not running

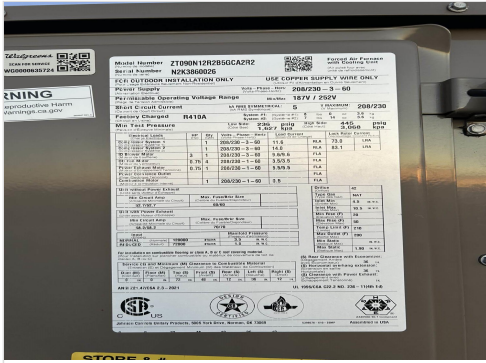
General	
	Actual
Fan Rotation Correct	Not running
Unit Filters Clean	Yes
Condensate Drain Installed	Yes

Completed By: Cody Collett on 11/17/2025

Notes:
VFD Failure, explained further in issues.

Written By: Cody Collett on 11/17/2025

Unit Data - PHOTO LOG



11/12/2025



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Motor Data - PHOTO LOG



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Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)

AHU/RTU



Diffuser Supply (GRD)

RTU1/GENERAL SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES	SAG	24/6	150	1	0	0	0	0.0
SGRD2	SALES	SAG	24/6	300	1	0	0	0	0.0
SGRD3	SALES	SAG	24/6	300	1	0	0	0	0.0
SGRD4	SALES	SAG	24/6	300	1	0	0	0	0.0
SGRD5	SALES		14"	650	1	0	0	0	0.0
SGRD6	SALES		14"	650	1	0	0	0	0.0
SGRD7	SALES		14"	650	1	0	0	0	0.0
Total				3000		0	0	0	0%

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Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: RTU2

AREA:GENERAL SALES

Unit Data		
	Design	Actual
MFG	TRANE	York
Serial Num	-	N2H1330101
Model Num	YHC-102-A3-RMA-H0A0C	ZR102N18R2B5GCA2R1
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29x20.5"
Num Final Filter 1	-	2
Final Filter Size 1	-	19.5x46"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR RELIANCE
Frame	-	56HZ
Horsepower	2.0	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.3

Drive Data	
	Actual
Motor Sheave Size	5"
Motor Bore Size	7/8"
Motor Sheave SetPt	6 turns out
Fan Sheave Size	7"
Fan Sheave Bore	7/8"
Belt CL Distance	19"
Num of Belts	1
Belt Size	A54
Belt Alignment	Good

Test Data		
	Design	Actual
SF CFM	3570	3474
RA CFM	3034	2921
OA CFM	536	553
RL Voltage	-	210/209/210
RL Amperage	-	5.8/5.9/5.9
SF Rotation	-	CW
SF System SetPt	-	60hz
RA Damper Position	-	80%
Min OA Damper Position	-	20%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	24BTU/#

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.45"
Fan Suction SP	-	-0.77"
Fan Discharge SP	-	0.60"
Total ESP	0.6"	1.05"
Fan Total SP	-	1.37"

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

Completed By: Cody Collett on 11/17/2025

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Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)

AHU/RTU



Diffuser Supply (GRD)

RTU2/GENERAL SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES		12"	540	1	615	532	590	109.3
SGRD2	SALES		12"	540	1	609	501	542	100.4
SGRD3	SALES		12"	545	1	561	469	479	87.9
SGRD4	SALES		12"	545	1	695	561	598	109.7
SGRD5	SALES		12"	540	1	590	462	517	95.7
SGRD6	SALES		12"	540	1	713	556	589	109.1
SGRD7	SALES		8"	150	1	0	0	159	106.0
Total				3400		3783	3081	3474	102.18%

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Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: RTU3

AREA:GENERAL SALES

Unit Data		
	Design	Actual
MFG	TRANE	York
Serial Num	-	N2A4085/80
Model Num	YHC-120-A3-RHA-H0A0C	ZT102N12F2B6GCI2/2
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	20x20.5
Num Final Filter 1	-	2
Final Filter Size 1	-	20x38"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR RELIANCE
Frame	-	56HZ
Horsepower	3.0	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.3

Drive Data	
	Actual
Motor Sheave Size	5"
Motor Bore Size	7/8"
Motor Sheave SetPt	3 turns
Fan Sheave Size	7"
Fan Sheave Bore	7/8"
Belt CL Distance	18.5
Num of Belts	1
Belt Size	A54
Belt Alignment	Good

Test Data		
	Design	Actual
SF CFM	3570	3911
RA CFM	2940	2918
OA CFM	630	652
RL Voltage	-	210/209/209
RL Amperage	-	6.6/6.7/6.6
SF Rotation	-	CW
SF System SetPt	-	3 turns
RA Damper Position	-	80%
Min OA Damper Position	-	20%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	24BTU/#

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.64"
Fan Suction SP	-	-0.85"
Fan Discharge SP	-	0.55"
Total ESP	0.6"	1.19"
Fan Total SP	-	1.4"

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

Completed By: Cody Collett on 11/17/2025

Unit Data - PHOTO LOG



11/12/2025



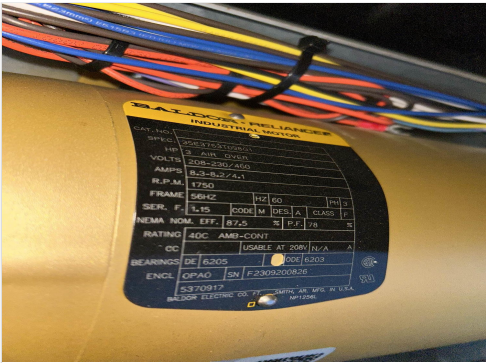
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Motor Data - PHOTO LOG



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Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)

AHU/RTU



Diffuser Supply (GRD)

RTU3/GENERAL SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES		12"	535	1	422		422	78.9
SGRD2	SALES	SAG	24/6	150	1	125		125	83.3
SGRD3	SALES	SAG	24/6	300	1	259		259	86.3
SGRD4	SALES	SAG	24/6	300	1	368		368	122.7
SGRD5	SALES	SAG	24/6	300	1	318		318	106.0
SGRD6	SALES	SAG	24/6	300	1	360		360	120.0
SGRD7	SALES		12"	535	1	547		547	102.2
SGRD8	SALES		12"	530	1	514		514	97.0
SGRD9	EMPLOYEE ROOM		10"	300	1	290		290	96.7
SGRD10	ELECTRICAL ROOM		6"	100	1	98		98	98.0
SGRD11	HALL		8"	150	1	136		136	90.7
SGRD12	TRAINING ROOM		8"	200	1	182		182	91.0
SGRD13	OFFICE		8"	300	1	292		292	97.3
Total				4000		3911	0	3911	97.78%

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Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: RTU4

AREA:PHARMACY

Unit Data		
	Design	Actual
MFG	TRANE	York
Serial Num	-	N2K3860061
Model Num	YHC-060-A3-RHA-H0A0C	ZJ061N12D2B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29x20.5
Num Final Filter 1	-	2
Final Filter Size 1	-	16x38"

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	NL
Horsepower	0.9	2
Motor Rpm	-	1725
Phase	1	1
Rated Voltage	208	208
Rated Amperage	-	8.2

Drive Data	
	Actual
Motor Sheave Size	5"
Motor Bore Size	7/8"
Motor Sheave SetPt	6 turns
Fan Sheave Size	7"
Fan Sheave Bore	7/8"
Belt CL Distance	18"
Num of Belts	1
Belt Size	A54
Belt Alignment	Good

Test Data		
	Design	Actual
SF CFM	2100	2396
RA CFM	2100	2396
OA CFM	0	0
RL Voltage	-	210/210/209
RL Amperage	-	4.9/5.0/5.0
SF Rotation	-	CW
SF System SetPt	-	6 TURNS
RA Damper Position	-	100%
Min OA Damper Position	-	0%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	24BTU/#

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.48"
Fan Suction SP	-	-0.69"
Fan Discharge SP	-	0.41"
Total ESP	0.6"	0.89"
Fan Total SP	-	1.1"

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

Completed By: Cody Collett on 11/17/2025

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Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)

AHU/RTU



Diffuser Supply (GRD)

RTU4/PHARMACY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	PHARMACY		9"	260	1	339	339	314	120.8
SGRD2	PHARMACY		12"	435	1	588	588	509	117.0
SGRD3	PHARMACY		12"	435	1	597	597	506	116.3
SGRD4	PHARMACY		12"	435	1	594	594	526	120.9
SGRD5	PHARMACY		12"	435	1	605	605	541	124.4
Total				2000		2723	2723	2396	119.8%

Completed By: Cody Collett on 11/17/2025

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Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: RTU5

AREA:STOCKROOM

Unit Data		
	Design	Actual
MFG	TRANE	York
Serial Num	-	N2H3842805
Model Num	YHC-036-A3- RLA-H0A0C	ZJ037N06D2B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29x20.5
Num Final Filter 1	-	2
Final Filter Size 1	-	16x38"

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	56H
Horsepower	0.33	1.5
Motor Rpm	-	1725
Phase	1	3
Rated Voltage	208	208
Rated Amperage	-	5

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	7/8"
Motor Sheave SetPt	5 turns
Fan Sheave Size	7"
Fan Sheave Bore	7/8"
Belt CL Distance	17"
Num of Belts	1
Belt Size	A47
Belt Alignment	Good

Test Data		
	Design	Actual
SF CFM	1260	1364
RA CFM	1071	1161
OA CFM	189	203
RL Voltage	-	210/210/210
RL Amperage	-	3.2/3.3/3.2
SF Rotation	-	CW
SF System SetPt	-	5 turns
RA Damper Position	-	90%
Min OA Damper Position	-	10%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	24BTU/#

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.40"
Fan Discharge SP	-	0.35"
Total ESP	0.6"	0.60"
Fan Total SP	-	0.75"

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

Completed By: Cody Collett on 11/17/2025

National TAB

Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)

AHU/RTU



Diffuser Supply (GRD)

RTU5/STOCKROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	STOCKROOM	SAR	12/10	480		546	546	546	113.8
SGRD2	STOCKROOM	SAR	12/6	240		270	270	270	112.5
SGRD3	STOCKROOM	SAR	12/6	240		260	260	260	108.3
SGRD4	STOCKROOM	SAR	12/6	240		288	288	288	120.0
Total				1200		1364	1364	1364	113.67%

Completed By: Cody Collett on 11/17/2025

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Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: AHU/RTU

Asset: RTU6

AREA:PHOTO AREA

Unit Data		
	Design	Actual
MFG	TRANE	York
Serial Num	-	N2H3842805
Model Num	YHC-036-A3-RLA-H0A0C	ZJ037N06D2B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29x20.5
Num Final Filter 1	-	2
Final Filter Size 1	-	16x38"

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	56H
Horsepower	0.33	1.5
Motor Rpm	-	1725
Phase	1	3
Rated Voltage	208	208
Rated Amperage	-	5.0

Drive Data	
	Actual
Motor Sheave Size	4"
Motor Bore Size	7/8"
Motor Sheave SetPt	5 turns
Fan Sheave Size	7"
Fan Sheave Bore	7/8"
Belt CL Distance	17.5"
Num of Belts	1
Belt Size	A47
Belt Alignment	Good

Test Data		
	Design	Actual
SF CFM	1260	1484
RA CFM	1071	1286
OA CFM	189	198
RL Voltage	-	210/210/210
RL Amperage	-	3.1/3.1/3.2
SF Rotation	-	CW
SF System SetPt	-	5 turns
RA Damper Position	-	90%
Min OA Damper Position	-	10%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	24BTU/#

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.19"
Fan Suction SP	-	-0.33"
Fan Discharge SP	-	0.52"
Total ESP	0.6"	0.71"
Fan Total SP	-	0.85"

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

Completed By: Cody Collett on 11/17/2025

Unit Data - PHOTO LOG



11/12/2025



11/12/2025



11/12/2025

Motor Data - PHOTO LOG



11/12/2025

National TAB

Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)

AHU/RTU



Diffuser Supply (GRD)

RTU6/PHOTO AREA

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	PHOTO AREA		12"	600		864	771	771	128.5
SGRD2	PHOTO AREA		12"	600		797	713	713	118.8
Total				1200		1661	1484	1484	123.67%

Completed By: Cody Collett on 11/17/2025

National TAB

Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: FAN - Exhaust

Asset: EF2

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	GREENHECK	PENNBARRY
Model Num	G-90-DGEX-QD-D	DX11Q
Serial Num	-	D25AR50916
Type	Downblast	Downblast
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	1/15 WATTS	1/5 HP
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	500	459
Fan Rotation	-	CCW
System SetPt	-	Marked on dial
RL Voltage	-	119
RL Amperage	-	2.8
Total ESP	0.375"	0.41"
Fan Inlet SP	-	-0.41"
Fan Discharge SP	-	ATM

Completed By: Cody Collett on 11/17/2025

Notes:

Hard ceiling, no face dampers present, unable to balance exhaust grills.

Written By: Cody Collett on 11/13/2025

National TAB

Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF2/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WOMENS RR	EAG	12/12	250	1	174	174	174	69.6
EGRD2	MENS RR	EAG	12/12	250	1	285	285	285	114.0
Total				500		459	459	459	91.8%

Completed By: Cody Collett on 11/17/2025

National TAB

Project: 11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



System/Unit: FAN - Exhaust

Asset: EF3

AREA:ELECTRICAL ROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	PENNBARRY
Model Num	G-90-DGEX-QD-D	DX11Q
Serial Num	-	D25AR50894
Type	Downblast	Downblast
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	400	369
Fan Rotation	-	CCW
System SetPt	-	Max on dial
RL Voltage	-	121
RL Amperage	-	2.5
Total ESP	0.375"	0.45"
Fan Inlet SP	-	-0.45"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	1/15 WATTS	1/5 HP
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Completed By: Cody Collett on 11/17/2025

Unit Data - PHOTO LOG



11/13/2025



11/13/2025



11/13/2025

National TAB

Project:11-10-25 WALGREENS #09022 SPRINGFIELD, MO
(REACTIVE)



FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF3/ELECTRICAL ROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	EMPLOYEE ROOM	EAG	14/14	300	1	43	85	85	28.3
EGRD2	ELECTRICAL ROOM	EAG	12/12	100	0.84	199	284	284	284.0
Total				400		242	369	369	92.25%

Completed By: Cody Collett on 11/17/2025