

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: AHU/RTU



Asset: EH1

AREA:ENTRANCE

Unit Data		
	Design	Actual
MFG	NA	STERLING
Serial Num	-	A2301908271001001
Model Num	NA	PV15
Type	-	ENTRANCE HEATER
Configuration	-	VERTICAL DISCHARGE
Num Final Filter 1	-	4
Final Filter Size 1	-	16x20x1

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	56
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	3.6

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VM50
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	4.0 TURNS OPEN
Fan Sheave Size	-	BK70
Fan Sheave Bore	-	1"
Belt CL Distance	-	11 1/2"
Num of Belts	-	1
Belt Size	-	B38
Belt Alignment	-	CORRECT

Test Data		
	Design	Actual
SF CFM	1500	0
SF RPM	-	N/A
RA CFM	-	0
OA CFM	-	0
RL Voltage	-	N/A
RL Amperage	-	N/A
SF Rotation	-	CCW

Performance Data		
	Design	Actual
MA Plenum SP	-	N/A
Fan Suction SP	-	N/A
Fan Discharge SP	-	N/A
Total ESP	-	N/A
Fan Total SP	-	N/A

General		
	Design	Actual
Fan Rotation Correct	-	INDETERMINATE
Unit Filters Clean	-	YES
Condensate Drain Installed	-	N/A

Completed By: Wesley John on 10/05/2023

Notes:
MOTOR DOES NOT RUN. HUMS WHEN POWER IS APPLIED. DISCONNECT KEPT OFF.

Written By: Wesley John on 10/05/2023

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: AHU/RTU



Asset: RTU1

AREA:SALES

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	YORK	YORK	SF CFM	5250	5267
Serial Num	-	N2G3760766	SF RPM	932	778
Model Num	AW15N3DQ4S1ARS32A2	AW15N3DQ4S1CQS32	RA CFM	4200	4259
Type	RTU	RTU	OA CFM	1050	1008
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE	RL Voltage	-	480/479/477
Num OA Filters 1	-	2	RL Amperage	-	5.1/4.9/5.2
OA Filter Size 1	-	18x32x1	SF Rotation	-	CCW
Num Final Filter 1	-	9	RA Damper Position	-	82%
Final Filter Size 1	-	16x25x2	Min OA Damper Position	-	18%

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	184TZ
Horsepower	5	5.25
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	6.7

Drive Data		
	Design	Actual
Motor Sheave Size	-	1B5V74
Motor Bore Size	-	1 7/16"
Motor Sheave SetPt	-	5.0 TURNS OPEN
Fan Sheave Size	-	1VM50
Fan Sheave Bore	-	7/8"
Belt CL Distance	-	12 1/2"
Num of Belts	-	1
Belt Size	-	BX40
Belt Alignment	-	CORRECT

Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.64"
Fan Suction SP	-	-0.97"
Fan Discharge SP	-	0.53"
Total ESP	1.0"	1.17"
Fan Total SP	-	1.50"

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

Completed By: Wesley John on 10/14/2023

Notes:
DRIVE SET TO MAX SPEED OF 92% (55 Hz)

Written By: on

National TAB

Project:10-02-23 WALGREENS #3921 - IRVING, TX

AHU/RTU



Diffuser Supply (GRD)

RTU1/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES		10"	147	1.0	120	101	142	96.6
SGRD2	SALES		10"	220	1.0	303	240	267	121.4
SGRD3	SALES		18X18	477	1.0	552	459	541	113.4
SGRD4	SALES		10"	220	1.0	331	272	269	122.3
SGRD5	SALES		12/6	147	1.0	155	130	145	98.6
SGRD6	SALES		12/6	147	1.0	98	81	138	93.9
SGRD7	SALES		12/6	147	1.0	131	109	133	90.5
SGRD8	SALES		12/6	147	1.0	136	108	144	98.0
SGRD9	CUSTOMER SERVICE		8X8	166	1.0	173	138	155	93.4
SGRD10	CUSTOMER SERVICE		8X8	166	1.0	192	159	159	95.8
SGRD11	PASSAGE 2		12"	294	1.0	230	190	274	93.2
SGRD12	PHOTO		14"	550	1.0	581	459	547	99.5
SGRD13	OFFICE		12"	367	1.0	328	267	352	95.9
SGRD14	TECH ROOM		12X12	312	1.0	352	282	298	95.5
SGRD15	TECH ROOM		12X12	312	1.0	392	313	289	92.6
SGRD16	SALES		18X18	477	1.0	535	433	473	99.2
SGRD17	SALES		18X18	477	1.0	1246	1007	369	77.4
SGRD18	SALES		18X18	477	1.0	686	561	572	119.9
Total				5250		6541	5309	5267	100.32%

Completed By: Wesley John on 10/05/2023

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: AHU/RTU



Asset: RTU2

AREA:SALES

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	YORK	YORK	SF CFM	5250	5322
Serial Num	-	N2G3748356	SF RPM	996	765
Model Num	AW15N3DQ4S1AES62A2	AW15N3DQ4S1CDS62A2	RA CFM	4200	4291
Type	RTU	RTU	OA CFM	1050	1031
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE	RL Voltage	-	481/483/482
Num OA Filters 1	-	2	RL Amperage	-	4.4/4.5/4.6
OA Filter Size 1	-	18x32x1	SF Rotation	-	CCW
Num Final Filter 1	-	9	RA Damper Position	-	79%
Final Filter Size 1	-	16x25x2	Min OA Damper Position	-	21%

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	184TZ
Horsepower	5	5.25
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	6.7

Drive Data		
	Design	Actual
Motor Sheave Size	-	1B5V74
Motor Bore Size	-	1 7/16"
Motor Sheave SetPt	-	5.0 TURNS OPEN
Fan Sheave Size	-	1VM50
Fan Sheave Bore	-	7/8"
Belt CL Distance	-	12 1/2"
Num of Belts	-	1
Belt Size	-	BX40
Belt Alignment	-	CORRECT

Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.70"
Fan Suction SP	-	-0.96"
Fan Discharge SP	-	0.55"
Total ESP	1.2"	1.25"
Fan Total SP	-	1.51"

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

Completed By: Wesley John on 10/14/2023

Notes:
DRIVE SET TO MAX SPEED OF 90% (54 Hz)

Written By: Wesley John on 10/14/2023

National TAB

Project:10-02-23 WALGREENS #3921 - IRVING, TX

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	SALES		20X20	1312	1.0	1794	1431	1431	109.1
SGRD2	SALES		20X20	1313	1.0	1614	1320	1320	100.5
SGRD3	SALES		20X20	1312	1.0	1491	1212	1212	92.4
SGRD4	SALES		20X20	1313	1.0	1680	1359	1359	103.5
Total				5250		6579	5322	5322	101.37%

Completed By: Wesley John on 10/05/2023

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: AHU/RTU



Asset: RTU3

AREA:PHARMACY

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	YORK	YORK	SF CFM	1750	1728
Serial Num	-	N2E3656498	SF RPM	1045	922
Model Num	ZJ061N08D4B5HAA2A4	ZJ061N08D4B5GCA2R4	RA CFM	1750	1728
Type	RTU	RTU	OA CFM	0	0
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE	RL Voltage	-	477/478/480
Num OA Filters 1	-	1	RL Amperage	-	3.3/3.1/3.1
OA Filter Size 1	-	22x30x1	SF Rotation	-	CCW
Num Final Filter 1	-	4	RA Damper Position	-	OPEN
Final Filter Size 1	-	16x24x2	Min OA Damper Position	-	CLOSED

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	2.0	2.0
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	3.4

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VL44
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1.5 TURNS OPEN
Fan Sheave Size	-	AK74
Fan Sheave Bore	-	1"
Belt CL Distance	-	16 3/4"
Num of Belts	-	1
Belt Size	-	A51
Belt Alignment	-	CORRECT

Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.40"
Fan Suction SP	-	-0.61"
Fan Discharge SP	-	0.43"
Total ESP	1.2"	0.83"
Fan Total SP	-	1.04"

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

Completed By: Wesley John on 10/14/2023

Notes:
MOTOR PULLEY CHANGED FROM 1VP56 TO 1VL44.

Written By: Wesley John on 10/14/2023

National TAB

Project:10-02-23 WALGREENS #3921 - IRVING, TX

AHU/RTU



Diffuser Supply (GRD)

RTU3/PHARMACY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	PHARMACY WAITING		12"	280	1.0	271	228	261	93.2
SGRD2	PHARMACY		12"	280	1.0	281	235	270	96.4
SGRD3	PHARMACY		12"	280	1.0	285	237	253	90.4
SGRD4	PHARMACY		12"	280	1.0	337	280	291	103.9
SGRD5	PHARMACY		12"	280	1.0	355	298	274	97.9
SGRD6	EMPLOYEE RM		12"	350	1.0	466	436	379	108.3
Total				1750		1995	1714	1728	98.74%

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Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: AHU/RTU



Asset: RTU4

AREA:STOCKROOM

Unit Data		
	Design	Actual
MFG	YORK	YORK
Serial Num	-	N2E3676891
Model Num	ZJ037C00D4B5HAA2A4	ZJ037C00D4B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	22x30x1
Num Final Filter 1	-	4
Final Filter Size 1	-	16x24x2

Test Data		
	Design	Actual
SF CFM	1050	1151
SF RPM	927	608
RA CFM	840	954
OA CFM	210	197
RL Voltage	-	484/484/485
RL Amperage	-	1.9/1.9/1.9
SF Rotation	-	CCW
RA Damper Position	-	85%
Min OA Damper Position	-	15%
Min OA Damper Type	-	PARALLEL BLADE
OA Enthalpy Setpt	-	24 BTU/LB

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	56HZ
Horsepower	1.50	1.50
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	2.5

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.37"
Fan Suction SP	-	-0.59"
Fan Discharge SP	-	0.40"
Total ESP	1.2"	0.77"
Fan Total SP	-	0.99"

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP34
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	5.0 TURNS OPEN
Fan Sheave Size	-	AK69
Fan Sheave Bore	-	1"
Belt CL Distance	-	16 1/2"
Num of Belts	-	1
Belt Size	-	AX46
Belt Alignment	-	CORRECT

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

Completed By: Wesley John on 10/14/2023

Notes:
MOTOR PULLEY CHANGED FROM 1VL44 TO 1VP34.

Written By: Wesley John on 10/14/2023

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: FAN - Exhaust



Asset: EF1

AREA:WOMENS RR

Unit Data		
	Design	Actual
MFG	GREENHECK	PENN BARRY
Model Num	GB-80-4-R5	DX11Q
Serial Num	-	NL
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	DOWNBLAST	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	0.25	0.20
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	250	237
Fan RPM	1290	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
RL Voltage	-	81.4
RL Amperage	-	2.4
Suction ESP	-	-0.26"
Discharge ESP	-	ATM
Total ESP	0.375"	0.26"

Completed By: Wesley John on 10/14/2023

Notes:
UNIT LABELED EF-5.

Written By: Wesley John on 10/05/2023

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: FAN - Exhaust



Asset: EF2

AREA:MENS RR

Unit Data		
	Design	Actual
MFG	GREENHECK	PENN BARRY
Model Num	GB-80-4-R5	DX11Q
Serial Num	-	G23PZ33840
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	DOWNBLAST	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	0.25	0.20
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	250	
Fan RPM	1290	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	-0.28"
Discharge ESP	-	ATM
Total ESP	0.375"	0.28"

Completed By: Wesley John on 10/14/2023

National TAB

Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: FAN - Exhaust



Asset: EF3

AREA: BREAK ROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	PENN BARRY
Model Num	GB-80-4-R4	DX11Q
Serial Num	-	G23PZ33837
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	DOWNBLAST	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	0.25	0.20
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	350	340
Fan RPM	1090	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
RL Voltage	-	89.1
RL Amperage	-	2.7
Suction ESP	-	-0.31"
Discharge ESP	-	ATM
Total ESP	0.375"	0.31"

Completed By: Wesley John on 10/14/2023

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Project: 10-02-23 WALGREENS #3921 - IRVING, TX

System/Unit: FAN - Exhaust



Asset: EF4

AREA:OFFICE

Unit Data		
	Design	Actual
MFG	GREENHECK	PENN BARRY
Model Num	GB-80-4-R5	DX11Q
Serial Num	-	G23PZ33839
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	DOWNBLAST	DOWNBLAST

Test Data		
	Design	Actual
CFM	300	314
Fan RPM	1080	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
RL Voltage	-	90.2
RL Amperage	-	2.4
Suction ESP	-	-0.34"
Discharge ESP	-	ATM
Total ESP	0.375"	0.34"

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	0.25	0.20
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	NL

Completed By: Wesley John on 10/14/2023

Notes:
FAN BALANCED MARKED AND TURNED OFF AT MANAGERS REQUEST.

Written By: Wesley John on 10/14/2023