

National TAB

Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624E01446
Model Num	NA	LGT120H4E1Y
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Test Data		
	Design	Actual
SF CFM	4000	4125
RA CFM	2725	2832
OA CFM	1275	1293
RL Voltage	-	232/231/232
RL Amperage	-	6.9/7.0/6.9
OA Damper Position	-	35%
Brake Horse Power	-	3.1

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.52"
Fan Suction SP	-	-0.87"
Fan Discharge SP	-	0.71"
Total ESP	0.50	1.23"
Fan Total SP	-	1.58"

Completed By: Zack Eismin on 08/28/2024

National TAB

Project: O'Reilly Auto Parts (Concord, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU1-SGRD1	101	G1	10	285	321	304	106.7
RTU1-SGRD2	101	G1	10	285	402	308	108.1
RTU1-SGRD3	101	G1	10	285	272	289	101.4
RTU1-SGRD4	101	G1	10	285	291	307	107.7
RTU1-SGRD5	101	G1	10	285	227	272	95.4
RTU1-SGRD6	101	G1	10	285	241	299	104.9
RTU1-SGRD7	101	G1	10	285	251	282	98.9
RTU1-SGRD8	101	G1	10	290	291	302	104.1
RTU1-SGRD9	101	G1	10	285	281	287	100.7
RTU1-SGRD10	101	G1	10	285	355	311	109.1
RTU1-SGRD11	101	G1	10	285	261	301	105.6
RTU1-SGRD12	101	G1	10	285	331	277	97.2
RTU1-SGRD13	101	G1	10	285	302	289	101.4
RTU1-SGRD14	101	G1	10	290	401	297	102.4
Total				4000	4227	4125	103.12%

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National TAB

Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624E01447
Model Num	NA	LGT120H4YM1Y
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Test Data		
	Design	Actual
SF CFM	4000	4093
RA CFM	2725	2792
OA CFM	1275	1301
RL Voltage	-	231/232/231
RL Amperage	-	6.8/6.9/6.9
OA Damper Position	-	35%
Brake Horse Power	-	3.01

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.46"
Fan Suction SP	-	-0.79"
Fan Discharge SP	-	0.62"
Total ESP	0.50	1.08"
Fan Total SP	-	1.41"

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Project: O'Reilly Auto Parts (Concord, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU2-SGRD1	101	G1	10	285	391	279	97.9
RTU2-SGRD2	101	G1	10	285	352	307	107.7
RTU2-SGRD3	101	G1	10	285	321	301	105.6
RTU2-SGRD4	101	G1	10	285	309	289	101.4
RTU2-SGRD5	101	G1	10	285	271	285	100.0
RTU2-SGRD6	101	G1	10	285	269	277	97.2
RTU2-SGRD7	101	G1	10	285	287	310	108.8
RTU2-SGRD8	101	G1	10	285	241	302	106.0
RTU2-SGRD9	101	G1	10	285	251	299	104.9
RTU2-SGRD10	101	G1	10	285	263	261	91.6
RTU2-SGRD11	101	G1	10	285	309	288	101.1
RTU2-SGRD12	101	G1	10	285	317	307	107.7
RTU2-SGRD13	101	G1	10	290	211	299	103.1
RTU2-SGRD14	101	G1	10	290	323	289	99.7
Total				4000	4115	4093	102.32%

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Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: AHU/RTU



Asset: RTU3

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624E01448
Model Num	NA	LGT120H4EM1Y
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Test Data		
	Design	Actual
SF CFM	4000	4083
RA CFM	2725	2815
OA CFM	1275	1268
RL Voltage	-	232/233/232
RL Amperage	-	7.1/7.2/7.2
OA Damper Position	-	35%
Brake Horse Power	-	3.14

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.62"
Fan Suction SP	-	-0.91"
Fan Discharge SP	-	0.79"
Total ESP	0.50	1.41"
Fan Total SP	-	1.70"

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Project: O'Reilly Auto Parts (Concord, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU3-SGRD1	101	G1	10	285	409	297	104.2
RTU3-SGRD2	101	G1	10	290	321	301	103.8
RTU3-SGRD3	101	G1	10	285	377	291	102.1
RTU3-SGRD4	101	G1	10	285	362	307	107.7
RTU3-SGRD5	101	G1	10	285	239	281	98.6
RTU3-SGRD6	101	G1	10	285	211	293	102.8
RTU3-SGRD7	101	G1	10	285	110	269	94.4
RTU3-SGRD8	101	G1	10	285	291	296	103.9
RTU3-SGRD9	101	G1	10	285	311	302	106.0
RTU3-SGRD10	101	G1	10	285	415	284	99.6
RTU3-SGRD11	101	G1	10	285	266	277	97.2
RTU3-SGRD12	101	G1	10	285	222	296	103.9
RTU3-SGRD13	101	G1	10	285	287	289	101.4
RTU3-SGRD14	101	G1	10	290	309	300	103.4
Total				4000	4130	4083	102.08%

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Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: AHU/RTU



Asset: RTU4

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624D07445
Model Num	NA	LGT092H4EM1Y
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Test Data		
	Design	Actual
SF CFM	3000	3100
RA CFM	2045	2133
OA CFM	955	967
RL Voltage	-	232/234/233
RL Amperage	-	4.1/4.2/4.2
OA Damper Position	-	30%
Brake Horse Power	-	1.83

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.43"
Fan Suction SP	-	-0.62"
Fan Discharge SP	-	0.53"
Total ESP	0.50	0.96"
Fan Total SP	-	1.15"

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Project: O'Reilly Auto Parts (Concord, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU4-SGRD1	100	G1	10	250	271	274	109.6
RTU4-SGRD2	100	G1	10	250	300	266	106.4
RTU4-SGRD3	100	G1	10	250	289	271	108.4
RTU4-SGRD4	100	G1	10	250	241	247	98.8
RTU4-SGRD5	100	G1	10	250	203	235	94.0
RTU4-SGRD6	100	G1	10	250	261	267	106.8
RTU4-SGRD7	100	G1	10	250	230	244	97.6
RTU4-SGRD8	100	G1	10	250	255	262	104.8
RTU4-SGRD9	100	G1	10	250	279	261	104.4
RTU4-SGRD10	100	G1	10	250	266	251	100.4
RTU4-SGRD11	100	G1	10	250	243	255	102.0
RTU4-SGRD12	100	G1	10	250	291	267	106.8
Total				3000	3129	3100	103.33%

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Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: AHU/RTU



Asset: RTU5

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624D07447
Model Num	NA	LGT092H4EM1Y
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Test Data		
	Design	Actual
SF CFM	3000	3085
RA CFM	2040	2114
OA CFM	960	971
RL Voltage	-	233/233/232
RL Amperage	-	3.9/4.0/4.0
OA Damper Position	-	30%
Brake Horse Power	-	1.75

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.45"
Fan Suction SP	-	-0.63"
Fan Discharge SP	-	0.46"
Total ESP	0.50	0.91"
Fan Total SP	-	1.09"

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National TAB

Project: O'Reilly Auto Parts (Concord, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU5-SGRD1	100	G1	10	330	301	311	94.2
RTU5-SGRD2	100A	S1	6	50	157	54	108.0
RTU5-SGRD3	100	G1	10	330	410	361	109.4
RTU5-SGRD4	100	G1	10	330	391	327	99.1
RTU5-SGRD5	100	G1	10	330	261	337	102.1
RTU5-SGRD6	100	G1	10	330	211	344	104.2
RTU5-SGRD7	100	G1	10	325	527	350	107.7
RTU5-SGRD8	100	G1	10	325	301	341	104.9
RTU5-SGRD9	100	G1	10	325	402	351	108.0
RTU5-SGRD10	100	G1	10	325	211	309	95.1
Total				3000	3172	3085	102.83%

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Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: AHU/RTU



Asset: RTU6

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5624D07446
Model Num	NA	LGT092H4EM1Y
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	NL

Test Data		
	Design	Actual
SF CFM	3000	3099
RA CFM	2045	2128
OA CFM	955	971
RL Voltage	-	232/232/231
RL Amperage	-	4.3/4.3/4.3
OA Damper Position	-	30%
Brake Horse Power	-	1.9

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.41"
Fan Suction SP	-	-0.69"
Fan Discharge SP	-	0.51"
Total ESP	0.50	0.92"
Fan Total SP	-	1.20"

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Project: O'Reilly Auto Parts (Concord, CA)

AHU/RTU



Diffuser Supply (GRD)

RTU6/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU6-SGRD1	105	S2	10	325	371	347	106.8
RTU6-SGRD2	105	S2	10	325	355	337	103.7
RTU6-SGRD3	100	G1	10	245	361	259	105.7
RTU6-SGRD4	100	G1	10	240	355	261	108.8
RTU6-SGRD5	103	S1	8	225	211	221	98.2
RTU6-SGRD6	104	S1	8	225	231	237	105.3
RTU6-SGRD7	100	G1	10	240	111	221	92.1
RTU6-SGRD8	100	G1	10	240	103	247	102.9
RTU6-SGRD9	100	G1	10	245	291	261	106.5
RTU6-SGRD10	100	G1	10	240	277	251	104.6
RTU6-SGRD11	102	S1	12	450	499	457	101.6
Total				3000	3165	3099	103.3%

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National TAB

Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	100-SDB
Serial Num	-	079SL14798
Type	INLINE	INLINE

Test Data		
	Design	Actual
CFM	750	804
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	1.00	0.72"

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	NL
Horsepower	190W	1/3
Motor Rpm	-	1725
Phase	1	3
Voltage (rated)	120	115
Amperage (rated)	-	6.0
Service Factor	-	1.35

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National TAB

Project: O'Reilly Auto Parts (Concord, CA)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF1-EGRD1	103	X1	12X12	375	1	459	405	405	108.0
EF1-EGRD2	104	X1	12X12	375	1	353	399	399	106.4
Total				750		812	804	804	107.2%

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National TAB

Project: O'Reilly Auto Parts (Concord, CA)
System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GN-642
Serial Num	-	NL
Type	INLINE	INLINE

Test Data		
	Design	Actual
CFM	500	492
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.10	0.53"

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	195W	NL
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.85
Service Factor	-	NL

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