

Report By:

National TAB
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Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 11/29/2023

PROJECT

11-06-23 CARMAX #7178 - WAUKESHA, WI

2441 KOSSOW RD

WAUKESHA, WI 53186

Client

Comfort Systems USA
9450 W Wingfoot Rd

Houston, TX 77041

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.

Facility Identification and TAB Requirements

The mechanical equipment to be tested, adjusted, and balanced includes all RTU's and EF's on the Test and Balance Scope on the mechanical drawings.

Standard RTU's

Each of the RTU's were measured at their terminal devices utilizing a flow hood or via total traverse. The sum of these readings is equal to the total flow for that unit. The total flow of each RTU was then adjusted to within tolerance of the specified design. Outside airflow was measured by reading the inlet with a velocity grid times the area of the filter. Any equipment that fell outside of this tolerance is noted throughout the report.

Bypass RTU's

The Bypass RTU's were measured by first closing the bypass damper completely. By doing this, the outside airflow is equal to the total flow for the unit. The airflow was measured using a velgrid at the outdoor air intake and multiplying by the free area of the filters. Adjustments were made to the motor sheave to get airflow within tolerance of design. The bypass damper was then adjusted so that bypass and OA flows are within tolerance.

Exhaust Fans

The exhaust fans were measured by reading each air device with a flow hood or via a velgrid reading times the free area of the inlets. 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. Any equipment that fell outside of this tolerance is noted throughout the report.

CheckList List

- TECH - SITE PICTURES
- TECH - STEP 1: INITIAL SITE WALKTHROUGH
- TECH - STEP 2: UNIT DATA AND EVAL
- TECH - STEP 3: TEST, ADJUST AND BALANCE



RTU-1
11/29/2023



Label
11/29/2023

RTU-2

Comment:



RTU-2(2)
11/29/2023



Label
11/29/2023

RTU-3

Comment:



RTU-3(2)
11/29/2023



Unitlabel(1)
11/29/2023

RTU-4

Comment:



RTU-4
11/29/2023



Unitlabel(1)
11/29/2023

RTU-5

Comment:



RTU-5
11/29/2023



Unitlabel(1)
11/29/2023

RTU-6

Comment:



RTU-6
11/29/2023



Unitlabel(1)
11/29/2023

RTU-7

Comment:



RTU-7
11/29/2023



Unitlabel(1)
11/29/2023

RTU-8

Comment:



RTU-8
11/29/2023



Unitlabel(1)
11/29/2023

RTU-9

Comment:



RTU-9
11/29/2023



Unitlabel(1)
11/29/2023

EF-8

Comment:



EF-8
11/29/2023



Label
11/29/2023



11-06-23 CARMAX #7178 - WAUKESHA, WI

CheckList Information

Name : TECH - STEP 1: INITIAL SITE WALKTHROUGH **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 11/03/2023 - Brian Turnbough - National TAB

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design? Yes

Comment:

All hood filters installed and accounted for? N/A

Comment:

Hoods are wired and have power? N/A

Comment:

Hood is free of alarms? N/A

Comment:

Thermostats have power? N/A

Comment:

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

Comment:

Yes



11-06-23 CARMAX #7178 - WAUKESHA, WI

CheckList Information

Name : TECH - STEP 2: UNIT DATA AND EVAL **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 11/03/2023 - Brian Turnbough - National TAB

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

RTU's/AHU's

Economizers are assembled and functional? Yes

Comment:

DCV Max damper opening position is set to minimum? Yes

Comment:

Free cooling enthalpy set point set for lowest setting (Typically "D") Yes

Comment:

Motors are all operating below the FLA rating? Yes

Comment:

Are belts tight?

Comment:

Yes

If direct drive unit is the speed controller working.

Comment:

Yes

Is gas piping installed and valves turned on?

Yes

Comment:

Unit free of noticeable noise and vibration

Yes

Comment:

EF's

Rotation is correct?

Yes

Comment:

Belts are tight?

Comment:

Yes

There is no major leakage around base of fan?

Yes

Comment:

Is the motor operating below the motor FLA rating?

N/A

Comment:

Unable to read motor amperage safely.

Unit free of noticeable noise and vibration?

Yes

Comment:

DOCUMENTATION

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

Yes

Comment:



11-06-23 CARMAX #7178 - WAUKESHA, WI

CheckList Information

Name : TECH - STEP 3: TEST, ADJUST AND BALANCE **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 11/03/2023 - Brian Turnbough - National TAB

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting? Yes

Comment:

Is space comfortable in all areas? Yes

Comment:

Is the space free of ventilation noise? Yes

Comment:

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

Comment:

NA

National TAB

Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU1

AREA:SHOWROOM

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5623H03940
Model Num	LGH180H4M	LGH180H4M
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	23X13
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	3.0	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	480	480
Rated Amperage	-	4.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	4"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	4.5 TURNS OPEN
Fan Sheave Size	-	BK72
Fan Sheave Bore	-	1-3/16"
Belt CL Distance	-	20.5"
Num of Belts	-	1
Belt Size	-	BX55
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	5750	5851
SF RPM	-	758
RA CFM	5100	5228
OA CFM	650	623
RL Voltage	-	486/487/486
RL Amperage	-	3.8/3.9/4.0
SF Rotation	-	CORRECT
RA Damper Position	-	HIGH: 78% LOW: 71%
Min OA Damper Position	-	HIGH: 22% LOW: 29%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.39"
Fan Suction SP	-	-0.68"
Fan Discharge SP	-	0.52"
Total ESP	0.8"	0.91"
Fan Total SP	-	1.20"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU2

AREA:SHOWROOM

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622F01133
Model Num	LGH180H4M	LGH180H4M
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	23X13
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56 HZ
Horsepower	3.0	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	480	480
Rated Amperage	-	4.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.75"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1.5 TURNS OPEN
Fan Sheave Size	-	BK95
Fan Sheave Bore	-	1-3/16"
Belt CL Distance	-	20.75"
Num of Belts	-	1
Belt Size	-	BX59
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	5750	5682
SF RPM	-	702
RA CFM	5100	4997
OA CFM	650	685
RL Voltage	-	484/484/484
RL Amperage	-	3.1/3.2/3.2
SF Rotation	-	CORRECT
RA Damper Position	-	HIGH: 77% LOW: 73%
Min OA Damper Position	-	HIGH: 23% LOW: 27%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.36"
Fan Suction SP	-	-0.54"
Fan Discharge SP	-	0.32"
Total ESP	0.8"	0.68"
Fan Total SP	-	0.86"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU3

AREA: CUSTOMER

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622G11413
Model Num	LGH036H4E	LGH036H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14.5
Num Final Filter 1	-	4
Final Filter Size 1	-	16X20X2

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Horsepower	1/2	0.5
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	115	115
Rated Amperage	-	2.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	HIGH: 68% LOW: 44%
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Test Data		
	Design	Actual
SF CFM	1100	1156
SF RPM	-	DD
RA CFM	960	1010
OA CFM	140	146
RL Voltage	-	119
RL Amperage	-	1.2
SF Rotation	-	CORRECT
RA Damper Position	-	HIGH: 82% LOW: 72%
Min OA Damper Position	-	HIGH: 18% LOW: 28%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.11"
Fan Suction SP	-	-0.24"
Fan Discharge SP	-	0.48"
Total ESP	0.6"	0.59"
Fan Total SP	-	0.72"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU4

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622G11456
Model Num	LGH060H4E	LGH060H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
OA Filter Size 1	-	29X14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	1.0	1.0
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	115	115
Rated Amperage	-	3.7

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	HIGH: 70% LOW: 42%
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Test Data		
	Design	Actual
SF CFM	1600	1558
SF RPM	-	DD
RA CFM	1300	1242
OA CFM	300	316
RL Voltage	-	120
RL Amperage	-	2.4
SF Rotation	-	CORRECT
RA Damper Position	-	HIGH: 79% LOW: 67%
Min OA Damper Position	-	HIGH: 21% LOW: 33%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.19"
Fan Suction SP	-	-0.33"
Fan Discharge SP	-	0.50"
Total ESP	0.6"	0.69"
Fan Total SP	-	0.83"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU5

AREA:BUYERS

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622G11416
Model Num	LGH036H4E	LGH036H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	16X20X2

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Frame	-	NL
Horsepower	1/2	0.5
Motor Rpm	-	NL
Phase	3	1
Rated Voltage	480	115
Rated Amperage	-	2.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	HIGH: 69% LOW: 42%
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Test Data		
	Design	Actual
SF CFM	1100	1164
SF RPM	-	DD
RA CFM	920	992
OA CFM	180	172
RL Voltage	-	120
RL Amperage	-	1.1
SF Rotation	-	CORRECT
RA Damper Position	-	HIGH: 78% LOW: 67%
Min OA Damper Position	-	HIGH: 22% LOW: 33"
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.10"
Fan Suction SP	-	-0.25"
Fan Discharge SP	-	0.40"
Total ESP	0.6"	0.50"
Fan Total SP	-	0.65"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU6

AREA:PBX

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622G08952
Model Num	LGH036H4E	LGH036H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	16X20X2

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Horsepower	1/2	0.50
Motor Rpm	-	NL
Phase	3	1
Rated Voltage	480	115
Rated Amperage	-	2.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	HIGH: 62% LOW: 40%
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Test Data		
	Design	Actual
SF CFM	975	1012
SF RPM	-	DD
RA CFM	975	1012
OA CFM	0	0
RL Voltage	-	119
RL Amperage	-	1.2
SF Rotation	-	CORRECT
RA Damper Position	-	NA
Min OA Damper Position	-	NA
Min OA Damper Type	-	NONE
OA Enthalpy Setpt	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.11"
Fan Suction SP	-	-0.27"
Fan Discharge SP	-	0.30"
Total ESP	0.8"	0.41"
Fan Total SP	-	0.57"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU7

AREA:SERVICE WRITER

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622G11414
Model Num	LGH036H4E	LGH036H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	16X20X2

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Horsepower	1/2	0.5
Motor Rpm	-	NL
Phase	1	1
Rated Voltage	115	115
Rated Amperage	-	2.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	67%
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Test Data		
	Design	Actual
SF CFM	1100	1171
SF RPM	-	DD
RA CFM	940	1022
OA CFM	160	149
RL Voltage	-	120
RL Amperage	-	1.6
SF Rotation	-	CORRECT
RA Damper Position	-	81%
Min OA Damper Position	-	19%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.26"
Fan Suction SP	-	-0.37"
Fan Discharge SP	-	0.32"
Total ESP	0.6"	0.58"
Fan Total SP	-	0.69"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU8

AREA: BREAK/TRAIN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622G11257
Model Num	LGH048H4E	LGH048H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	16X20X2

Motor Data		
	Design	Actual
Motor MFG	-	GENTEQ
Horsepower	3/4	0.50
Motor Rpm	-	NL
Phase	3	1
Rated Voltage	480	115
Rated Amperage	-	3.1

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	HIGH: 62% LOW: 42%
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

Test Data		
	Design	Actual
SF CFM	1400	1425
SF RPM	-	DD
RA CFM	1250	1264
OA CFM	150	161
RL Voltage	-	119
RL Amperage	-	2.1
SF Rotation	-	CORRECT
RA Damper Position	-	HIGH: 80% LOW: 73%
Min OA Damper Position	-	HIGH: 20% LOW: 27%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.22"
Fan Suction SP	-	-0.42"
Fan Discharge SP	-	0.32"
Total ESP	0.6"	0.54"
Fan Total SP	-	0.74"

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

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Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: AHU/RTU



Asset: RTU9

AREA:SERVICE AREA

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622F01088
Model Num	LGH240H4B	LGH240H4B
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	23X13
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	5.0	5.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	480	460
Rated Amperage	-	7.6

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP65
Motor Bore Size	-	1-1/8"
Motor Sheave SetPt	-	6 TURNS OPEN
Fan Sheave Size	-	11"
Fan Sheave Bore	-	1-3/16"
Belt CL Distance	-	21"
Num of Belts	-	1
Belt Size	-	BX65
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	5000	5205
SF RPM	-	840
RA CFM	0	0
OA CFM	5000	7127
RL Voltage	-	489/489/489
RL Amperage	-	6.2/5.7/5.9
SF Rotation	-	CORRECT
RA Damper Position	-	0%
Min OA Damper Position	-	100%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	5.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.50"
Fan Suction SP	-	-0.89"
Fan Discharge SP	-	0.38"
Total ESP	1.0"	0.88"
Fan Total SP	-	1.27"

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

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Project:11-06-23 CARMAX #7178 - WAUKESHA, WI

AHU/RTU



Diffuser Supply (GRD)

RTU9/SERVICE AREA

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU9-SGRD1	TOILET	NA	8/8 NK	70	1.0	0	56	74	105.7
RTU9-SGRD2	SERVICE	NA	36/12 NK	755	2.77	1192	926	790	104.6
RTU9-SGRD3	SERVICE	NA	36/12 NK	755	2.77	1084	842	772	102.3
RTU9-SGRD4	SERVICE	NA	36/12 NK	755	2.77	1012	786	794	105.2
RTU9-SGRD5	SERVICE	NA	36/12 NK	755	2.77	936	727	759	100.5
RTU9-SGRD6	SERVICE	NA	36/12 NK	755	2.77	944	733	789	104.5
RTU9-SGRD7	SERVICE	NA	36/12 NK	755	2.77	1085	843	805	106.6
RTU9-SGRD8	PARTS	10/10 NK	10/10 NK	200	0.56	289	224	208	104.0
RTU9-SGRD9	PARTS	10/10 NK	10/10 NK	200	0.56	316	245	214	107.0
Total				5000		6858	5382	5205	104.1%

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National TAB

Project: 11-06-23 CARMAX #7178 - WAUKESHA, WI

System/Unit: FAN - Exhaust



Asset: EF8

AREA:

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	120 ACRU
Serial Num	-	012S914536-00
Type	-	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	48Z
Horsepower	-	0.25
Motor Rpm	-	1755
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.1

Test Data		
	Design	Actual
CFM	800	834
Fan RPM	-	1334
Fan Rotation	-	CORRECT
Motor RPM	-	1761
System SetPt	-	4 TURNS OPEN
Total ESP	-	0.305"
Fan Inlet SP	-	-0.305"
Fan Discharge SP	-	ATM

Completed By: Michael McDonnell on 11/29/2023