Report By:

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

Report: TAB

Function: Test, Adjust, & Balance

Date: 04/29/2025

Completed By: United Test & Balance, Inc.

PROJECT

03-24-25 BURLINGTON COAT FACTORY #00533 DENTON, TX

2315 COLORADO BLVD

DENTON, TX 76205

Client

Brinco Mechanical Management Services, Inc.

125 South Main St

Freeport, NY 11520

National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533 DENTON, TX

Table Of Contents

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)
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. 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.

CheckList List

- TECH - ALL STEPS (TECH CHECKLIST)

03-24-25 BURLINGTON COAT FACTORY #00533 DENTON, TX

CheckList Information

Name :	TECH - ALL STEPS (TECH CHECKLIST)	**Status :**	Completed
Assigned Organization :	MULTIPLE	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	03/21/2025 - Nicole Seever - National TAB		
Completed Date :	04/09/2025 - William Clayton - National TAB		

CheckList Item Details

RTU's/AHU's

Economizers are assembled and functional?

Comment:

Yes

Motors are all operating below the FLA rating?

Comment:

Yes

Are belts tight?

Comment:

RTU-01 belt was off, but we fixed it.

If direct drive unit is the speed controller working.

Comment:

Not Applicable

Is gas piping installed and valves turned on?

Comment:

Yes

Unit free of noticeable noise and vibration

Comment:

Yes

Units are labeled and installed on proper curb

Comment:

Yes

Unit ductwork properly installed / sealed on curb

Comment:

Yes

Pulleys are properly aligned

Comment:

RTU-01 was not, but we fixed it.

Condensate lines and P-Traps installed correctly

Comment:

Yes

Disconnect Switch Installed

Comment:

Yes

Outside air dampers/Economizers installed and functioning

Comment:

Yes

Additional Comments or recommendations:

Comment:

Yes

Documentation

If issues, have NTAB team and Brinco Management been notified ?

Comment:

Yes

If any issues, have Facilibuild issues been created explaining in detail?

Comment:

Yes

Pictures

All Issues

Comment:

Yes

Each Piece of equipment

Comment:

Yes

Front of store

Comment:

No

Roof Top Layout

Comment:

No

National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533
DENTON, TX

System/Unit: AHU/RTU

Asset: RTU1 AREA:

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	4724P15060
Model Num	48LCEA24J3M6-4S4C0	48LCEA24J3M6A4S4C0
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num Final Filter 1	-	9
Final Filter Size 1	-	16x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	Broad-Ocean
Frame	-	215T
Horsepower	10	10
Motor Rpm	Not Listed	1765
Phase	3	3
Rated Voltage	460	460
Rated Amperage	Not Listed	13.5

Drive Data	
	Actual
Motor Sheave Size	1VP65
Motor Bore Size	1 3/8
Motor Sheave SetPt	Mid Range
Fan Sheave Size	2BK90
Fan Sheave Bore	1 7/16
Belt CL Distance	11.5
Num of Belts	2
Belt Size	BX44
Belt Alignment	Verified

Test Data		
	Design	**Actual**
SF CFM	8000	8485
SF RPM	1052	983
RA CFM	6800	7196
OA CFM	1200	1289
RL Voltage	Not Listed	482
RL Amperage	Not Listed	10.1
SF Rotation	-	Verified
RA Damper Position	-	70% Open
Min OA Damper Position	-	30% Open

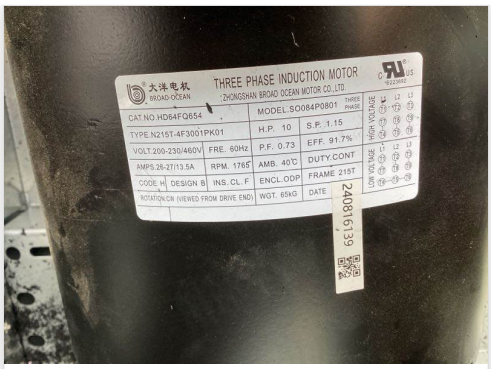
Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.66
Fan Suction SP	-	-1.13
Fan Discharge SP	-	0.49
Total ESP	1"	1.05
Fan Total SP	1.14	1.62

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

Completed By: William Clayton on 04/09/2025

Unit Data - PHOTO LOG

04/09/2025



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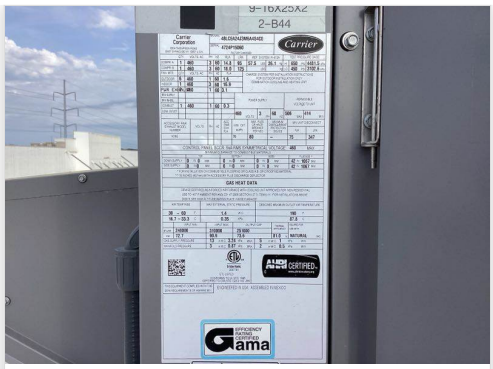

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National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533
DENTON, TX

System/Unit: AHU/RTU

Asset: RTU2 AREA:

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	472P15061
Model Num	48LCEA24J3M6-4S4C0	48LCEA24J3M6A4S4C0
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num Final Filter 1	-	9
Final Filter Size 1	-	16x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	Broad-Ocean
Frame	-	215T
Horsepower	10	10
Motor Rpm	Not Listed	1765
Phase	3	3
Rated Voltage	460	460
Rated Amperage	Not Listed	13.5

Drive Data	
	Actual
Motor Sheave Size	1VP65
Motor Bore Size	1 3/8
Motor Sheave SetPt	Mid Range
Fan Sheave Size	2BK90
Fan Sheave Bore	1 7/16
Belt CL Distance	11.5
Num of Belts	2
Belt Size	BX44
Belt Alignment	Verified

Test Data		
	Design	**Actual**
SF CFM	8000	8110
SF RPM	1052	991
RA CFM	6800	6864
OA CFM	1200	1246
RL Voltage	Not Listed	482
RL Amperage	Not Listed	9.6
SF Rotation	-	Verified
RA Damper Position	-	65% Open
Min OA Damper Position	-	35% Open

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-.71
Fan Suction SP	-	-1.16
Fan Discharge SP	-	0.47
Total ESP	1"	1.08
Fan Total SP	1.14	1.63

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

Completed By: William Clayton on 04/09/2025

Unit Data - PHOTO LOG

04/09/2025

04/09/2025

National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533
DENTON, TX

System/Unit: AHU/RTU

Asset: RTU3 AREA:

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	4724P15062
Model Num	48LCEA24J3M6-4S4C0	48LCEA24J3M6A4S4C0
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num Final Filter 1	-	9
Final Filter Size 1	-	16x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	Broad-Ocean
Frame	-	215T
Horsepower	10	10
Motor Rpm	Not Listed	1765
Phase	3	3
Rated Voltage	460	460
Rated Amperage	Not Listed	13.5

Drive Data	
	Actual
Motor Sheave Size	1VP65
Motor Bore Size	1 3/8
Motor Sheave SetPt	Mid Range
Fan Sheave Size	2BK90
Fan Sheave Bore	1 7/16
Belt CL Distance	11.5
Num of Belts	2
Belt Size	BX44
Belt Alignment	Verified

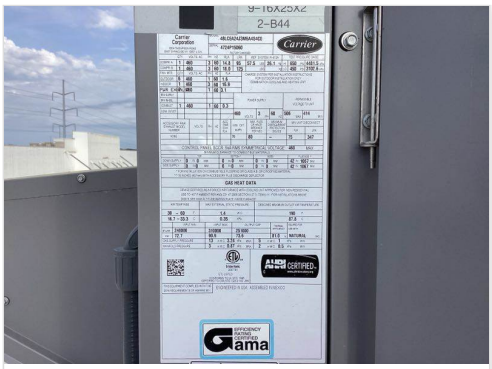
Test Data		
	Design	**Actual**
SF CFM	8000	8170
SF RPM	1052	974
RA CFM	6800	6994
OA CFM	1200	1176
RL Voltage	Not Listed	483
RL Amperage	Not Listed	10.2
SF Rotation	-	Verified
RA Damper Position	-	60% Open
Min OA Damper Position	-	30% Open

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-.54
Fan Suction SP	-	-1.01
Fan Discharge SP	-	0.53
Total ESP	1"	0.97
Fan Total SP	1.14	1.54

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

Completed By: William Clayton on 04/09/2025

Unit Data - PHOTO LOG



04/09/2025

National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533
DENTON, TX

System/Unit: AHU/RTU

Asset: RTU4 AREA:

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	4724P15031
Model Num	48LCE014J3M6-4S5C0	48LCE014J3M6A4S5C0
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num Final Filter 1	-	6
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	**Actual**
Motor MFG	-	Broad-Ocean
Frame	-	184T
Horsepower	5	5
Motor Rpm	Not Listed	1740
Phase	3	3
Rated Voltage	460	460
Rated Amperage	Not Listed	6.6

Drive Data	
	Actual
Motor Sheave Size	6.25
Motor Bore Size	1 3/4
Motor Sheave SetPt	Mid Range
Fan Sheave Size	BK120
Fan Sheave Bore	1 3/16
Belt CL Distance	10.75
Num of Belts	1
Belt Size	BX48
Belt Alignment	Verified

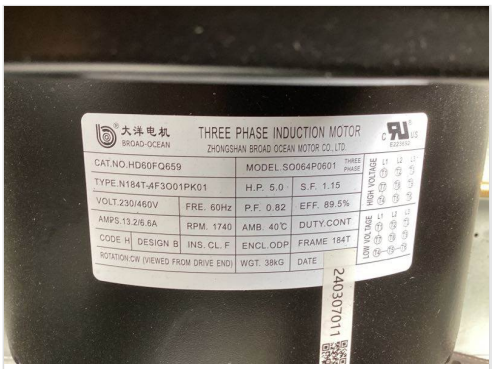
Test Data		
	Design	**Actual**
SF CFM	5000	5060
SF RPM	675	734
RA CFM	4250	4298
OA CFM	750	762
RL Voltage	Not Listed	482
RL Amperage	Not Listed	3.4
SF Rotation	-	Verified
RA Damper Position	-	67% Open
Min OA Damper Position	-	33% Open

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-.18
Fan Suction SP	-	-.42
Fan Discharge SP	-	0.51
Total ESP	0.50"	0.61
Fan Total SP	0.55	0.93

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

Completed By: William Clayton on 04/09/2025

Unit Data - PHOTO LOG



04/09/2025

04/09/2025

04/09/2025

National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533
DENTON, TX

System/Unit: AHU/RTU

Asset: RTU5 AREA:

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	4624P00940
Model Num	48LCE008J3M6-4R5F0	48LCE008J3M6A4R5F0
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num Final Filter 1	-	6
Final Filter Size 1	-	18x24x2

Motor Data		
	Design	**Actual**
Motor MFG	-	Marathon
Frame	-	56HZ
Horsepower	1.79 BHP	Not Listed
Motor Rpm	Not Listed	1750
Phase	3	3
Rated Voltage	460	460
Rated Amperage	Not Listed	4.6

Drive Data	
	Actual
Motor Sheave Size	VP56
Motor Bore Size	7/8
Motor Sheave SetPt	Full Open
Fan Sheave Size	AK104
Fan Sheave Bore	3/16
Belt CL Distance	20.5
Num of Belts	1
Belt Size	A62
Belt Alignment	Verified

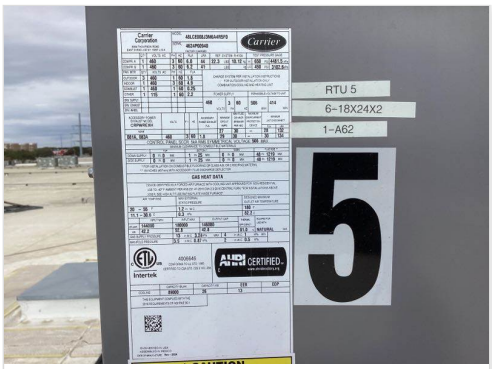
Test Data		
	Design	**Actual**
SF CFM	3000	2984
SF RPM	724	654
RA CFM	2550	2517
OA CFM	450	467
RL Voltage	Not Listed	482
RL Amperage	Not Listed	1.9
SF Rotation	-	Verified
RA Damper Position	-	77% Open
Min OA Damper Position	-	23% Open

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-.26
Fan Suction SP	-	-.46
Fan Discharge SP	-	0.66
Total ESP	1"	0.82
Fan Total SP	1.01	1.12

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

Completed By: William Clayton on 04/09/2025

Unit Data - PHOTO LOG



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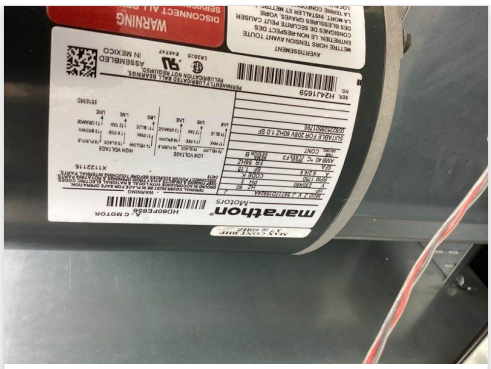


04/09/2025

04/09/2025

National TAB

Project: 03-24-25 BURLINGTON COAT FACTORY #00533
DENTON, TX

System/Unit: AHU/RTU

Asset: RTU6 AREA:

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	4524P92096
Model Num	48LCE007J3M6-4R5F0	48LCE007J3M6A4R5F0
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num Final Filter 1	-	4
Final Filter Size 1	-	20x20x2

Motor Data		
	Design	**Actual**
Motor MFG	-	Marathon
Frame	-	56HZ
Horsepower	1.26 BHP	Not Listed
Motor Rpm	Not Listed	1736
Phase	3	3
Rated Voltage	460	460
Rated Amperage	Not Listed	3.8

Drive Data	
	Actual
Motor Sheave Size	3.75
Motor Bore Size	7/8
Motor Sheave SetPt	Mid Range
Fan Sheave Size	BK60
Fan Sheave Bore	1
Belt CL Distance	16.5
Num of Belts	1
Belt Size	BX44
Belt Alignment	Verified

Test Data		
	Design	**Actual**
SF CFM	3000	3037
SF RPM	743	874
RA CFM	2550	2573
OA CFM	450	464
RL Voltage	Not Listed	481
RL Amperage	Not Listed	2.0
SF Rotation	-	Verified
RA Damper Position	-	85% Open
Min OA Damper Position	-	15% Open

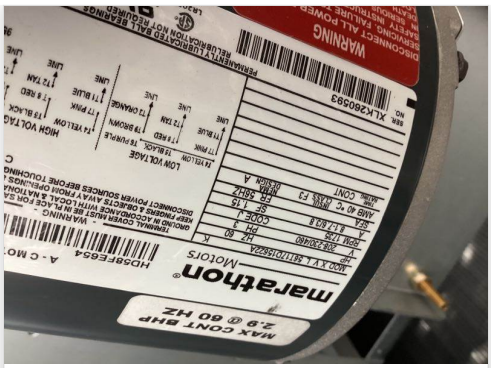
Performance Data		
	Design	**Actual**
MA Plenum SP	-	-.61
Fan Suction SP	-	-.92
Fan Discharge SP	-	0.78
Total ESP	0.50"	1.29
Fan Total SP	0.65	1.70

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

Completed By: William Clayton on 04/09/2025

Unit Data - PHOTO LOG

04/09/2025



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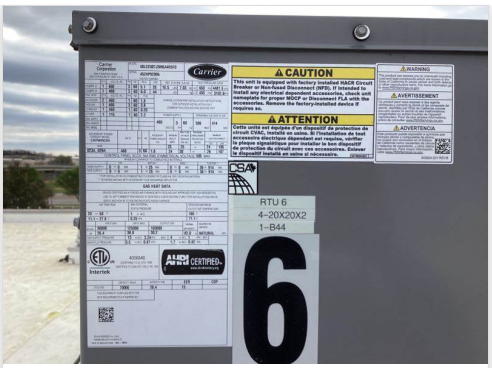

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