

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 03/08/2024

PROJECT
03-11-24 KROGER #014-353 - CINCINNATI,
OH

11390 Montgomery Rd

Cincinnati, OH 45249

Client

Kroger Division 014
150 Tri-County Parkway

Cincinnati, OH 45246

National TAB

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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.

Kitchen Exhaust Hood & Associated Fans

Each kitchen exhaust fan was measured at the hood filter bay utilizing a velocity matrix and a manufacturer's correction factor. Each filter velocity is multiplied by the manufacturer's corrected area. The sum of these readings equals the total flow of the exhaust fans. The total flow of the exhaust was then adjusted to within tolerance of the design flow. Any EF's that fell outside of this tolerance is noted throughout the report.

CheckList List

- HOOD CERTIFICATION CHECKLIST
- SITE PICTURES



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CheckList Information

Name : HOOD CERTIFICATION CHECKLIST **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 02/23/2024 - Wale Odofin - National TAB

CheckList Item Details

HD-1

Is the hood powered and free of alarms?

Comment:

Does hood label match submittal?

Comment:

Do hood dimensions match submittal?

Comment:

Is the hood hung Level?

Comment:

Are hood lights installed and are they powered?

Comment:

Are the correct number and size of filters installed, and are they installed correctly?

Comment:

Is the grease cup installed?

Comment:

Are side splashes/skirts installed and do they match the submittal?

Comment:

Are ceiling enclosures installed and do they match the submittal?

Comment:

Is the kitchen equipment centered underneath the hood. There should be at least 12" of overhang on all sides

Comment:

Document any other issues or discrepancies.

Comment:

HOOD CAPTURE TEST

List equipment turned on for testing:

Comment:

Smoke Test Capture - Perimeter of Hood

Comment:

Smoke Test Capture - Top of Cooking Surface

Comment:

List smoke candle used:

Comment:

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System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	5796070
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	Telco
Frame	-	48
Horsepower	-	0.75
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	8.9
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	1345	1448
Fan Rotation	-	CCW Correct
Motor RPM	-	1117
System SetPt	-	56%
RL Voltage	-	120
RL Amperage	-	3.9
Total ESP	0.75"	0.83"
Fan Inlet SP	-	0.83"

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Project: 03-11-24 KROGER #014-353 - CINCINNATI, OH

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6024 ND 2WI	6024 ND 2WI
Job / Serial Num	-	5796070
Type	ISLAND	ISLAND
Hood length	60"	60"
Hood Width	24"	24"

Test Data Exhaust		
	Design	Actual
Filter Type	BAFFLE	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	3	3
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	4.86	4.86
Filter1 FPM	-	299
Filter2 FPM	-	305
Filter3 FPM	-	291
Filter Ave FPM(corr)	-	298
CFM	1345	1448

Cooking Equipment		
	Design	Actual
Item 1	-	OVEN

Completed By: Nick Payne on 03/05/2024