

Report By:

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

NATIONAL

TAB

Comfort. Under control.

**Report: FINAL TAB REPORT
Function: Test, Adjust, & Balance
Date: 11/22/2022**

PROJECT

Hurts Donuts - Springfield MO

1231 EAST SUNSHINE ST

SPRINGFIELD, MO 65804

Client

CAPTIVE-AIRE R120
1329 E. Kemper Road
Suite 4210
Cincinnati, OH 45246

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Project: Hurts Donuts - Springfield MO

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Hurts Donuts - Springfield MO

CheckList Information

Name : Hood Capture Test Form **Status :** NotSubmitted

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

CheckList Item Details

Owner Representative Smoke Test Witness

Witness Company

Balance Company / Tech Name (Witness)

Date

List cooking equipment turned on for the test

Take Three Pictures one each of Hood Left, Hood Center, Hood Right (include cooking equipment in photo)

Take and Load a Hood Left Cooktop smoke test capture video

Take and Load a Hood Center Cooktop smoke test capture video

Take and Load a Hood Right Cooktop smoke test capture video

Take and Load a Perimeter smoke test capture video all hood sections

Notes/Comments :

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Project: Hurts Donuts - Springfield MO
System/Unit: FAN - Exhaust



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Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU85	DU85
Serial Num	-	5479645
Type	-	UPBLAST
Configuration	-	VERTICAL

Test Data		
	Design	Actual
CFM	1775	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Fan Inlet SP	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	1
Motor Rpm	-	300-1800
Phase	-	1
Voltage (rated)	-	208
Amperage (rated)	-	6.9

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Project: Hurts Donuts - Springfield MO
System/Unit: FAN - Exhaust



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Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU85	DU85
Serial Num	-	5479645
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	1
Motor Rpm	-	300-1800
Phase	-	1
Voltage (rated)	-	208
Amperage (rated)	-	6.9

Test Data		
	Design	Actual
CFM	1600	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Fan Inlet SP	-	

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Project: Hurts Donuts - Springfield MO
System/Unit: FAN - Supply



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Asset: SF1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	A2-D.250-20D-MPU	A2-D.250-20D-MPU
Serial Num	-	5479645

Test Data		
	Design	Actual
CFM	2700	
SF RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	2
Motor Rpm	-	1150
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	8,3
Service Factor	-	

Drive Data		
	Design	Actual
Num of Belts	-	DD

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Project: Hurts Donuts - Springfield MO

System/Unit: Kitchen Hood Type I



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Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424ND-2 PSP	5424ND-2 PSP
Job / Serial Num	-	5479645
Type	TYPE I	TYPE I
Hood length	120	120
Hood Width	54	54
Supply Plenum Type	-	PSP
Supply Plenum Width	12	12
Supply Plenum Length	132	132

Test Data Supply		
	Design	Actual
Total AK Area	11	11
Kv factor (Vel)	0.87	0.87
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	1420	

Test Data Exhaust		
	Design	Actual
Filter Type	BAFFLE	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	7	7
Filter AK factor size 1	11.34	11.34
Filter Total AK Area	11.34	11.34
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1775	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

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Project: Hurts Donuts - Springfield MO

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424ND-2 PSP	5424ND-2 PSP
Job / Serial Num	-	5479645
Type	TYPE I	TYPE I
Hood length	120	120
Hood Width	54	54
Supply Plenum Type	-	PSP
Supply Plenum Width	12	12
Supply Plenum Length	120	120

Test Data Exhaust		
	Design	Actual
Filter Type	BAFFLE	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	7	7
Filter AK factor size 1	11.34	11.34
Filter Total AK Area	11.34	11.34
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1600	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	Actual
Total AK Area	10	10
Kv factor (Vel)	0.87	0.87
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	1280	

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Notes: