

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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National TAB

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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