

Report By:

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



Report: PRELIM
Function: Test, Adjust, & Balance
Date: 05/08/2024

PROJECT
05-06-24 CULVERS - STOUGHTON, WI
(EF/HOOD CERT)

916 NYGAARD ST
STOUGHTON, WI 53589

Client

Accurex
PO Box 410
Schofield, WI 54476

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Project: 05-06-24 CULVERS - STOUGHTON, WI (EF/HOOD CERT)



System/Unit: AHU/RTU

Asset: RTU1

AREA:DINING

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5601A01956
Model Num	NA	LGA180SH1Y
Type	-	RTU
Configuration	-	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	-	EMERSON
Frame	-	56HZ
Horsepower	-	3.0
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	200-230
Rated Amperage	-	9.0-9.2

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.75"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1-2 TURNS OPEN
Fan Sheave Size	-	BK95
Fan Sheave Bore	-	1-7/16"
Belt CL Distance	-	21"
Num of Belts	-	1
Belt Size	-	BX59
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	-	4691
SF RPM	-	656
RA CFM	-	3321
OA CFM	-	1370
RL Voltage	-	212/212/210
RL Amperage	-	5.5/5.4/5.6
SF Rotation	-	CCW, CORRECT
Min OA Damper Position	-	MANUALLY SET AND MARKED
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	E

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.18"
Fan Suction SP	-	-0.32"
Fan Discharge SP	-	0.29"
Total ESP	-	0.47"
Fan Total SP	-	0.61"

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

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- Notes:
- [1] MOTOR SHEAVE FROZEN
 - [2] ECONOMIZER/ACTUATOR NOT FUNCTIONAL; DAMPER POSITION SET MANUALLY.
 - [3] UNIT NOT WIRED FOR OCCUPANCY
 - [4] COMBUSTION EXHAUST RUNNING CONSTANT.

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Project: 05-06-24 CULVERS - STOUGHTON, WI (EF/HOOD CERT)



System/Unit: AHU/RTU

Asset: RTU2

AREA: KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5619B04165
Model Num	NA	KGA210H4BHY1
Type	-	RTU
Configuration	-	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	-	US MOTORS
Frame	-	184TZ
Horsepower	-	5.0
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	208-230
Rated Amperage	-	13.8-13.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP65
Motor Bore Size	-	1-1/8"
Motor Sheave SetPt	-	2-3 TURNS OPEN
Fan Sheave Size	-	11"
Fan Sheave Bore	-	1-7/16"
Belt CL Distance	-	21"
Num of Belts	-	1
Belt Size	-	BX65
Belt Alignment	-	VERIFIED

Test Data		
	Design	Actual
SF CFM	-	6384
SF RPM	-	942
RA CFM	-	4640
OA CFM	-	1744
RL Voltage	-	212/212/211
RL Amperage	-	12.8/12.6/12.1
SF Rotation	-	CCW, CORRECT
Min OA Damper Position	-	DAMPER POSITION MARKED
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	E

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.38"
Fan Suction SP	-	-0.75"
Fan Discharge SP	-	0.57"
Total ESP	-	0.95"
Fan Total SP	-	1.32"

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

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Project: 05-06-24 CULVERS - STOUGHTON, WI (EF/HOOD CERT)

System/Unit: FAN - Exhaust



Asset: PRV2

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	22919377
Type	UPBLAST	UPB;AST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Horsepower	-	1.0
Motor Rpm	-	300-1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.5

Test Data		
	Design	Actual
CFM	1500	1506
Fan RPM	1725	1400
Fan Rotation	-	CW, CORRECT
Motor RPM	-	1400
System SetPt	-	8.0 VDC
RL Voltage	-	119
RL Amperage	-	3.0
Total ESP	1.801	1.15"
Fan Inlet SP	-	-1.15"
Fan Discharge SP	-	ATM

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Project: 05-06-24 CULVERS - STOUGHTON, WI (EF/HOOD CERT)



System/Unit: FAN - Exhaust

Asset: PRV3

AREA:HOOD 2

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1500	1590
Fan RPM	1365	1050
Fan Rotation	-	CW, CORRECT
Motor RPM	-	1050
System SetPt	-	6.0 V
RL Voltage	-	120
RL Amperage	-	1.5
Total ESP	1.00"	0.55"
Fan Inlet SP	-	-0.55"
Fan Discharge SP	-	ATM

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Project: 05-06-24 CULVERS - STOUGHTON, WI (EF/HOOD CERT)

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64-S
Job / Serial Num	-	22919865
Type	TYPE I	TYPE I
Hood length	64"	64"
Hood Width	23"	23"

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	GREASE GRABBER
Filter Size 1	16X16	16X16
Filter Qty 1	4	4
Filter AK factor size 1	1.53	1.53
Filter Total AK Area	6.12	6.12
Filter1 FPM	-	263
Filter2 FPM	-	233
Filter3 FPM	-	233
Filter4 FPM	-	257
Filter Ave FPM(corr)	-	246
CFM	1500	1506

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE

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Project: 05-06-24 CULVERS - STOUGHTON, WI (EF/HOOD CERT)

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83-S
Job / Serial Num	-	22919864
Type	TYPE I	TYPE I
Hood length	83"	83"
Hood Width	23'	23"

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	XTRACTOR
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.53	1.53
Filter Total AK Area	7.65	7.65
Filter1 FPM	-	210
Filter2 FPM	-	202
Filter3 FPM	-	205
Filter4 FPM	-	204
Filter5 FPM	-	218
Filter Ave FPM(corr)	-	207.8
CFM	1500	1590

Cooking Equipment		
	Design	Actual
Item 1	-	FRYER

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Notes:

[1] FRYER FLUE ADAPTER NOT INSTALLED, DID NOT FIT OVER EXISTING FRYER EQUIPMENT (5 FRYER BAYS).

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