

Report By:

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



Report: PRE

Function: Test, Adjust, & Balance

Date: 07/07/2025

Completed By: National TAB

PROJECT

Jersey Mikes (Liberty, MO)

1912 Star Drive

Liberty, MO 64068

Client

Meuschke Mechanical, LLC

6719 Appleton Ave

Raytown, MO 64133

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Project: Jersey Mikes (Liberty, MO)

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Project: Jersey Mikes (Liberty, MO)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Serial Num	-	
Model Num	NA	NA
Configuration	-	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	3	
Rated Voltage	208	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM	-	
RA CFM	1670	
OA CFM	330	
RL Voltage	208	
RL Amperage	-	
SF System SetPt	-	
OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Cooling Coil P.D.	-	

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Project: Jersey Mikes (Liberty, MO)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU1-1	RR	S2	6	50			-
RTU1-2	BOH	S1	12	450			-
RTU1-3	BOH	S1	12	450			-
RTU1-4	FOOD PRO	S3	10	350			-
RTU1-5	FOOD PRO	S3	10	350			-
RTU1-6	FOOD PRO	S3	10	350			-
Total				2000	0	0	0%

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Project: Jersey Mikes (Liberty, MO)

System/Unit: AHU/RTU



Asset: RTU-2

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Serial Num	-	
Model Num	NA	NA
Configuration	-	VERTICAL
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	
PreFilter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	3	
Rated Voltage	208	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	2000	
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	1670	
OA CFM	330	
RL Voltage	208	
RL Amperage	-	
SF System SetPt	-	
OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Cooling Coil P.D.	-	

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Project: Jersey Mikes (Liberty, MO)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
RTU2-1	DINING	S1	10	425			-
RTU2-2	DINING	S1	10	425			-
RTU2-3	DINING	S1	12	425			-
RTU2-4	DINING	S1	12	425			-
RTU2-5	DINING	S1	10	300			-
Total				2000	0	0	0%

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Project: Jersey Mikes (Liberty, MO)

System/Unit: FAN - Supply



Asset: KSF-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVEAIRE
Model Num	NA	D76
Serial Num	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	
Filter Size 1	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.00	
Motor Rpm	1473	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	Actual
CFM	750	
SF RPM	1473	
Motor Frequency	-	
SF System SetPt	-	
RL Voltage	115	
RL Amperage	11.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.400	
Brake Horse Power	-	

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Project: Jersey Mikes (Liberty, MO)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	

Test Data		
	Design	Actual
CFM	50	
RL Voltage	120	
RL Amperage	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Horsepower	6.1W	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	

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Project: Jersey Mikes (Liberty, MO)

System/Unit: FAN - Exhaust



Asset: KEF-1

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVEAIRE
Model Num	NA	DU50HFA
Serial Num	-	
Type	CRE	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.50	
Motor Rpm	1471	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1000	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	6.3	
Suction ESP	-	
Total ESP	1.00	
Brake Horse Power	-	0.3540

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Project: Jersey Mikes (Liberty, MO)

System/Unit: FAN - Exhaust



Asset: KEF-2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVEAIRE
Model Num	NA	DU12HFA
Serial Num	-	
Type	CRE	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.250	
Motor Rpm	1481	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	400	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	2.9	
Suction ESP	-	
Total ESP	0.30	
Brake Horse Power	-	0.0970

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Project: Jersey Mikes (Liberty, MO)

System/Unit: Kitchen Hood Type I



Asset: KEH-1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424-ND-2-PSP-F	5424-ND-2-PSP-F
Job / Serial Num	-	7290581
Type	TYPE I PSP	
Hood length	60	
Hood Width	54	
Supply Plenum Type	-	PSP
Supply Plenum Width	12	
Supply Plenum Length	72	

Test Data Exhaust		
	Design	Actual
Filter Type	SS BAFFLE	
Filter Size 1	16X16	
Filter Qty 1	3	
Filter AK factor size 1	-	
Filter Total AK Area	-	
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	1000	

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

Test Data Supply		
	Design	Actual
Total Area	-	
Kv factor (Vel)	-	
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	750	

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Project: Jersey Mikes (Liberty, MO)

System/Unit: Kitchen Hood Type II



Asset: KEH-2

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6024 VHB-ND	6024 VHB-ND
Serial Num	-	7290581
Type	TYPE II	
Hood length	48	
Hood Width	60	60

Test Data		
	Design	Actual
Exhaust CFM	400	