BWise

TAB/FLS

CERTIFICATION	3780
PROJECT	Red Door Grill - Exhaust Hoods Report
ADDRESS	2061 NW Lowenstein Drive
	Lee's Summit, MO 64081
HVAC CONTRACTOR	Temp Con, Inc
	15670 S Keeler St
	Olathe, KS 66062
NEBB TAB FIRM	BWise, LLC
	9407 E 203rd St.
	Peculiar, MO 64078

NEBB

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PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO
DATE: 3/25/2022
CONTACT: Ben Rold

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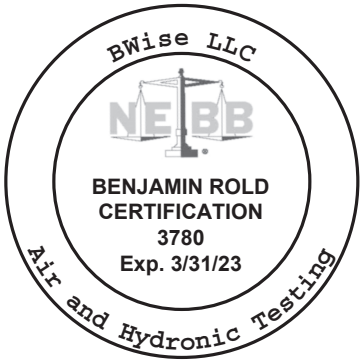
Firm Certification Number: 3780

Firm Name: BWise LLC

Certification: Testing, Adjusting and Balancing of Environmental Systems

Certified Professional Name: BENJAMIN ROLD

Expiration Date: 3/31/23



BWISE, LLC

INSTRUMENT CALIBRATION REPORT

INSTRUMENT DESCRIPTION	MANUFACTURER	CALIBRATION REQUIREMENT	APPLICATION	CALIBRATION DATE
AIR DATA MULTI METER	Kanomax / 6700	12 MONTHS	CFM / VEL / SP	7/25/2021
DIGITAL TACHOMETER	EXTECH / 461920	12 MONTHS	RPM	7/15/2021
AMP / VOLT METER	FLUKE / 00067334	12 MONTHS	AMP / VOLT	7/15/2021
TEMP / HUMIDITY	COOPER	12 MONTHS	TEMP / HUMID	7/15/2021
HYDRODATA	ALNOR / HM670	12 MONTHS	GPM / D.P.	7/15/2021
HYDRODATA	FUJI / S10A2-OOY	12 MONTHS	ULTRASONIC FLOW	7/1/2021

NEBB TAB Abbreviations

AMP	=	Amperes
BTU	=	British Thermal Unit
MBH	=	1000 BTUs Per Hour
CD	=	Ceiling Diffuser
CFM	=	Cubic Feet Per Minute
DMP	=	Damper
°F	=	Degrees Fahrenheit
DIA	=	Diameter
ΔP	=	Differential Pressure
DB	=	Dry Bulb(°F)
EAT	=	Entering Air Termperature(°F)
EXH	=	Exhaust
EA	=	Exhaust Air
ESP	=	External SP("WG")
EWT	=	Entering Water Temp(°F)
FT	=	Feet
FPM	=	Feet Per Minute
HZ	=	Hertz
IN	=	Inches
kW	=	Kilowatt
LAT	=	Leaving Air Temperature (°F)
LWT	=	Leaving Water Temp (°F)
MAT	=	Mixed Air Temperature (°F)
NA	=	Not Applicable
NG	=	Not Given
OA	=	Outside Air
OAT	=	Outside Air Temperature (°F)
PH	=	Phase
PSI	=	Pounds Per Square Inch
RLF	=	Relief
RA	=	Return Air
RAT	=	Return Air Temperature (°F)
RPM	=	Revolutions Per Minute
S.F.	=	Service Factor
SCFM	=	Standard Cubic Feet Per Minute
SP	=	Static Pressure ("WG")
SA	=	Supply Air
SAT	=	Supply Air Temperature (°F)
SQFT	=	Square Feet
ΔT	=	Temperature Difference
TSP	=	Total SP ("WG")
VFD	=	Variable Frequency Drive
WG	=	Water Gauge
WB	=	Wet Bulb (°F)

PROJECT:	**Red Door Grill**
SYSTEM:	**Kitchen Exhaust Hoods and Fans**
LOCATION:	**Lee's Summit, MO**

SUMMARY:

This building was also tested for total pressure. Before the test was performed, it was confirmed that the building was completely sealed. This building pressure was 0.01" W.C. at the front door and 0.004" W.C. at the back door. This falls into the recommended requirements of the International Mechanical Code (IMC) of -0.02" W.C. to +0.02" W.C. for building pressure.

All kitchen hoods velocity was measured to be within the system design and falls into the filter manufacturer's recommendations of a minimum of 140 FPM to a Maximum of 350 FPM.

A Smoke Test was performed on the hoods. All hoods passed with 100% smoke capture.

The ductwork was installed in a professional manner with no major deviation in the layout.

Kitchen Hood

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-01/Kitchen Hood-01
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Number Readings - Exhaust	5
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	178.0 FPM
AVG Velocity - Filter 2	143.0 FPM
AVG Velocity - Filter 3	190.0 FPM
AVG Velocity - Filter 4	166.0 FPM
AVG Velocity - Filter 5	162.0 FPM

Final Data	
Design Exhaust Airflow	1400 CFM
Actual Exhaust Airflow	1359 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	5
Filter Size	16x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	1.35 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	8.10 Sq Ft
Size - Filter 1	16x16
Size - Filter 2	16x16
Size - Filter 3	16x16
Size - Filter 4	16x16
Size - Filter 5	16x16

SYSTEM/UNIT: KEF-02/Kitchen Hood-02
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	209.0 FPM
AVG Velocity - Filter 2	232.0 FPM
AVG Velocity - Filter 3	236.0 FPM
AVG Velocity - Filter 4	240.0 FPM
AVG Velocity - Filter 5	220.0 FPM
AVG Velocity - Filter 6	208.0 FPM
AVG Velocity - Filter 7	200.0 FPM

Final Data	
Design Exhaust Airflow	2000 CFM
Actual Exhaust Airflow	2105 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	7
Filter Size	16x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	1.35 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	11.34 Sq Ft
Size - Filter 1	16x16
Size - Filter 2	16x16
Size - Filter 3	16x16
Size - Filter 4	16x16
Size - Filter 5	16x16
Size - Filter 6	16x16
Size - Filter 7	16x16

Kitchen Hood

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-03/Kitchen Hood-03
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	174.0 FPM
AVG Velocity - Filter 2	201.0 FPM
AVG Velocity - Filter 3	238.0 FPM
AVG Velocity - Filter 4	266.0 FPM
AVG Velocity - Filter 5	239.0 FPM
AVG Velocity - Filter 6	212.0 FPM
AVG Velocity - Filter 7	207.0 FPM
AVG Velocity - Filter 8	221.0 FPM

Final Data	
Design Exhaust Airflow	2200 CFM
Actual Exhaust Airflow	2384 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	8
Filter Size	16x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	1.35 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	12.96 Sq Ft
Size - Filter 1	16x16
Size - Filter 2	16x16
Size - Filter 3	16x16
Size - Filter 4	16x16
Size - Filter 5	16x16
Size - Filter 6	16x16
Size - Filter 7	16x16
Size - Filter 8	16x16

SYSTEM/UNIT: KEF-04/Kitchen Hood-04
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	211.0 FPM
AVG Velocity - Filter 2	221.0 FPM
AVG Velocity - Filter 3	219.0 FPM
AVG Velocity - Filter 4	215.0 FPM
AVG Velocity - Filter 5	213.0 FPM

Final Data	
Design Exhaust Airflow	1948 CFM
Actual Exhaust Airflow	1868 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	5
Filter Size	20x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	2.22 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	13.32 Sq Ft
Size - Filter 1	20x16
Size - Filter 2	20x16
Size - Filter 3	20x16
Size - Filter 4	20x16
Size - Filter 5	20x16

Kitchen Hood

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-05/Kitchen Hood-05
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
AVG Velocity - Filter 1	1169.0 FPM

Final Data	
Design Exhaust Airflow	900 CFM
Actual Exhaust Airflow	912 CFM

Filter Data	
Filter Quantity	1
Filter Size	12 inch round
Manufacturer Free Area per Filter	0.78 Sq Ft
Size - Filter 1	12

Fan Unit

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: EF-01
AREA: Restrooms

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Cook
Unit Model Number	101ACE 101C17D
Unit Serial Number	299SJ63643-00/0000701

Test Data	
Design Airflow	450 CFM
Actual Airflow	444 CFM
Motor Volts T1-T2	121 Volts
Motor Amps T1	0.78 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	115 Volts
Design Motor Amps	1.00 Amps
Nameplate Motor HP	1/2 HP
Nameplate Motor Rated Volts	115 Volts
Nameplate Motor FL Amps	1.00 Amps
Nameplate Motor Phase	1
Nameplate Motor Hertz	60 Hz
Brake Horsepower	0.09 BHP
Corrected FL Amps	0.95 Amps
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

EF-01 Exhaust Inlet Summary

System/Unit	Area Served	Inlet Type	Size LxW / D	Instrument	Design CFM	Prelim CFM	Final CFM	% Final
Inlet-01	Restrooms	Ex	8x8	Flowhood	75	112	77	103
Inlet-02	Restrooms	Ex	8x8	Flowhood	75	55	80	107
Inlet-03	Restrooms	Ex	8x8	Flowhood	75	40	69	92
Inlet-04	Restrooms	Ex	8x8	Flowhood	75	109	69	92
Inlet-05	Restrooms	Ex	8x8	Flowhood	75	54	74	99
Inlet-06	Restrooms	Ex	8x8	Flowhood	75	36	75	100
	Totals:	**-**	**-**	**-**	**450**	**406**	**444**	**99**

SYSTEM/UNIT: KEF-01
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Captive-Aire
Unit Model Number	DU85HFA
Unit Serial Number	4827083

Test Data	
Design Airflow	1400 CFM
Actual Airflow	1359 CFM
Motor Volts T1-T2	213 Volts
Motor Volts T2-T3	212 Volts
Motor Volts T1-T3	213 Volts
Motor Amps T1	5.90 Amps
Motor Amps T2	5.90 Amps
Motor Amps T3	5.80 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	208 Volts
Design Motor Amps	6.90 Amps
Nameplate Motor HP	1 HP
Nameplate Motor Rated Volts	208 Volts
Nameplate Motor FL Amps	6.90 Amps
Nameplate Motor Phase	3
Nameplate Motor Hertz	60 Hz
Brake Horsepower	2.09 BHP
Corrected FL Amps	6.75 Amps
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

Fan Unit

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-01/Kitchen Hood-01
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Number Readings - Exhaust	5
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	178.0 FPM
AVG Velocity - Filter 2	143.0 FPM
AVG Velocity - Filter 3	190.0 FPM
AVG Velocity - Filter 4	166.0 FPM
AVG Velocity - Filter 5	162.0 FPM

Final Data	
Design Exhaust Airflow	1400 CFM
Actual Exhaust Airflow	1359 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	5
Filter Size	16x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	1.35 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	8.10 Sq Ft
Size - Filter 1	16x16
Size - Filter 2	16x16
Size - Filter 3	16x16
Size - Filter 4	16x16
Size - Filter 5	16x16

SYSTEM/UNIT: KEF-02
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Captive-Aire
Unit Model Number	DU85HFA
Unit Serial Number	4827083

Test Data	
Design Airflow	2000 CFM
Actual Airflow	2105 CFM
Motor Volts T1-T2	212 Volts
Motor Volts T2-T3	211 Volts
Motor Volts T1-T3	211 Volts
Motor Amps T1	5.80 Amps
Motor Amps T2	5.90 Amps
Motor Amps T3	5.90 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	208 Volts
Design Motor Amps	6.90 Amps
Nameplate Motor HP	1 HP
Nameplate Motor Rated Volts	208 Volts
Nameplate Motor FL Amps	6.90 Amps
Nameplate Motor Phase	3
Nameplate Motor Hertz	60 Hz
Brake Horsepower	2.07 BHP
Corrected FL Amps	6.79 Amps
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

Fan Unit

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-02/Kitchen Hood-02
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	209.0 FPM
AVG Velocity - Filter 2	232.0 FPM
AVG Velocity - Filter 3	236.0 FPM
AVG Velocity - Filter 4	240.0 FPM
AVG Velocity - Filter 5	220.0 FPM
AVG Velocity - Filter 6	208.0 FPM
AVG Velocity - Filter 7	200.0 FPM

Final Data	
Design Exhaust Airflow	2000 CFM
Actual Exhaust Airflow	2105 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	7
Filter Size	16x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	1.35 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	11.34 Sq Ft
Size - Filter 1	16x16
Size - Filter 2	16x16
Size - Filter 3	16x16
Size - Filter 4	16x16
Size - Filter 5	16x16
Size - Filter 6	16x16
Size - Filter 7	16x16

SYSTEM/UNIT: KEF-03
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Captive-Aire
Unit Model Number	DUI180HFA
Unit Serial Number	4827083

Test Data	
Design Airflow	2200 CFM
Actual Airflow	2384 CFM
Motor Volts T1-T2	212 Volts
Motor Volts T2-T3	212 Volts
Motor Volts T1-T3	212 Volts
Motor Amps T1	7.50 Amps
Motor Amps T2	7.56 Amps
Motor Amps T3	7.65 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	208 Volts
Design Motor Amps	8.30 Amps
Nameplate Motor HP	2 HP
Nameplate Motor Rated Volts	208 Volts
Nameplate Motor Hertz	60 Hz
Brake Horsepower	2.68 BHP
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

Fan Unit

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-03/Kitchen Hood-03
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	174.0 FPM
AVG Velocity - Filter 2	201.0 FPM
AVG Velocity - Filter 3	238.0 FPM
AVG Velocity - Filter 4	266.0 FPM
AVG Velocity - Filter 5	239.0 FPM
AVG Velocity - Filter 6	212.0 FPM
AVG Velocity - Filter 7	207.0 FPM
AVG Velocity - Filter 8	221.0 FPM

Final Data	
Design Exhaust Airflow	2200 CFM
Actual Exhaust Airflow	2384 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	8
Filter Size	16x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	1.35 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	12.96 Sq Ft
Size - Filter 1	16x16
Size - Filter 2	16x16
Size - Filter 3	16x16
Size - Filter 4	16x16
Size - Filter 5	16x16
Size - Filter 6	16x16
Size - Filter 7	16x16
Size - Filter 8	16x16

SYSTEM/UNIT: KEF-04
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Captive-Aire
Unit Model Number	CASRE18DD
Unit Serial Number	4827083

Test Data	
Design Airflow	1948 CFM
Actual Airflow	1868 CFM
Motor Operating HZ/Speed	45
Motor Volts T1-T2	211 Volts
Motor Volts T2-T3	211 Volts
Motor Volts T1-T3	212 Volts
Motor Amps T1	4.00 Amps
Motor Amps T2	4.00 Amps
Motor Amps T3	4.00 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	208 Volts
Design Motor Amps	4.40 Amps
Nameplate Motor HP	1.5 HP
Nameplate Motor Rated Volts	208 Volts
Nameplate Motor Phase	3
Nameplate Motor Hertz	60 Hz
Brake Horsepower	1.41 BHP
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

Fan Unit

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-04/Kitchen Hood-04
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
Actual Exhaust Flow (CA)	0 CFM
AVG Velocity - Filter 1	211.0 FPM
AVG Velocity - Filter 2	221.0 FPM
AVG Velocity - Filter 3	219.0 FPM
AVG Velocity - Filter 4	215.0 FPM
AVG Velocity - Filter 5	213.0 FPM

Final Data	
Design Exhaust Airflow	1948 CFM
Actual Exhaust Airflow	1868 CFM

Filter Data	
Filter Manufacturer	CA
Filter Type	Baffle
Filter Quantity	5
Filter Size	20x16
Manufacturer Filter Factor (KF)	1.20
Manufacturer Free Area per Filter	2.22 Sq Ft
Calculated Corrected Free Area (Filter Free Area x Number Filters x Filter Factor)	13.32 Sq Ft
Size - Filter 1	20x16
Size - Filter 2	20x16
Size - Filter 3	20x16
Size - Filter 4	20x16
Size - Filter 5	20x16

SYSTEM/UNIT: KEF-05
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Captive-Aire
Unit Model Number	DU50HFA
Unit Serial Number	4827083

Test Data	
Design Airflow	900 CFM
Actual Airflow	912 CFM
Motor Volts T1-T2	212 Volts
Motor Volts T2-T3	212 Volts
Motor Volts T1-T3	213 Volts
Motor Amps T1	5.58 Amps
Motor Amps T2	5.60 Amps
Motor Amps T3	5.45 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	208 Volts
Design Motor Amps	6.30 Amps
Nameplate Motor HP	.5 HP
Nameplate Motor Rated Volts	208 Volts
Nameplate Motor FL Amps	6.30 Amps
Nameplate Motor Phase	3
Nameplate Motor Hertz	60 Hz
Brake Horsepower	1.97 BHP
Corrected FL Amps	6.17 Amps
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

Fan Unit

PROJECT: Red Door Grill - Lee's Summit MO - Temp Con
LOCATION: Lee's Summit , MO

DATE: 3/25/2022
CONTACT: Ben Rold

SYSTEM/UNIT: KEF-05/Kitchen Hood-05
AREA: Kitchen Hood

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Hood Manufacturer	CA

Exhaust Section	
Sum of Readings - Exhaust	0 FPM
AVG Velocity - Filter 1	1169.0 FPM

Final Data	
Design Exhaust Airflow	900 CFM
Actual Exhaust Airflow	912 CFM

Filter Data	
Filter Quantity	1
Filter Size	12 inch round
Manufacturer Free Area per Filter	0.78 Sq Ft
Size - Filter 1	12

SYSTEM/UNIT: MUA-01
AREA: Kitchen Area

Tested By: Blake Vrem
Date: 3/25/2022

Unit Data	
Unit Manufacturer	Captive-Aire
Unit Model Number	A2-D.500-20D
Unit Serial Number	4827083

Test Data	
Design Airflow	5922 CFM
Actual Airflow	5033 CFM
Motor Operating HZ/Speed	71.7
Motor Volts T1-T2	212 Volts
Motor Volts T2-T3	213 Volts
Motor Volts T1-T3	213 Volts
Motor Amps T1	19.20 Amps
Motor Amps T2	19.70 Amps
Motor Amps T3	19.54 Amps

Motor Data	
Motor Type	Direct Drive
Design Motor Voltage	208 Volts
Design Motor Amps	21.10 Amps
Nameplate Motor HP	7.5 HP
Nameplate Motor Rated Volts	208 Volts
Nameplate Motor FL Amps	21.10 Amps
Nameplate Motor Hertz	60 Hz
Brake Horsepower	6.93 BHP
Corrected FL Amps	20.64 Amps
Nominal Efficiency	0.90 %
Motor Power Factor	0.80 %

Log:

MUA-01	3/25/2022	Blake Vrem	This unit has a control issue keeping certain aspects of the unit operating unless overridden. Technicians are working to resolve the issue.