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**Report: Kitchen Social Montgomery OH**

**Function: Test, Adjust, & Balance**

**Date: 04/10/2024**

# PROJECT

## Kitchen Social (Montgomery, OH)

9340 Montgomery Quarter

Montgomery, OH 45242

### Client

Triton Services, Inc.

8162 Duke Boulevard

Mason, OH 45040

# National TAB

Project: Kitchen Social (Montgomery, OH)

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# National TAB

Project: Kitchen Social (Montgomery, OH)

System/Unit: FAN - Supply



Asset: MUA-1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	ACCUREX	NA
Model Num	XDGX-P122-H22-MF	NA
Serial Num	-	
Type	GAS FIRED	
Configuration	HORIZONTAL	
Num Filters Size 1	-	
Filter Size 1	-	

Test Data		
	Design	Actual
CFM	6420	
SF RPM	-	
RL Voltage	-	208
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.64	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	5	
Motor Rpm	1180	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

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

Notes:  
Waiting on wiring

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XUEF-24
Serial Num	-	22666564
Type	-	UTILITY SET

Motor Data		
	Design	Actual
Motor MFG	-	BALOR
Frame	-	213T
Horsepower	7.5	7.5
Motor Rpm	1770	1770
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	19
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	8025	8094
Fan RPM	1254	1195
RL Voltage	-	164.1 @vfd
RL Amperage	-	14.7@vfd
Suction ESP	-	-2.14
Discharge ESP	-	ATM
Total ESP	2.608	2.14

Notes:

Motor issues: Motor not interacting with shaft. HVAC is contacting supplier.

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XUEF-13
Serial Num	-	22721486
Type	-	UTILITY SET

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56
Horsepower	0.75	0.75
Motor Rpm	1725	1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	6.80
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VP3458
Motor Bore Size	-	0.625"
Motor Sheave SetPt	-	5 OUT
Fan Sheave Size	-	AK41X374
Fan Sheave Bore	-	0.75"
Belt CL Distance	-	9.25"
Num of Belts	-	1
Belt Size	-	A27

Test Data		
	Design	Actual
CFM	1350	1260
Fan RPM	1390	1030
RL Voltage	-	121.8/121.7/121.6
RL Amperage	-	3.7/3.7/3.7
Suction ESP	-	-0.12"
Discharge ESP	-	ATM
Total ESP	0.751	0.12"

Completed By: Gabe Merk on 10/13/2023

Notes:  
Waiting on dishwasher wiring for hood interaction

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:UNISEX RR

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-146
Type	-	CEILING

Test Data		
	Design	Actual
CFM	75	84
RL Voltage	-	115

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Horsepower	-	NL
Motor Rpm	814	1100
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.51

Completed By: Mohammed Ouard on 10/09/2023

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Project: Kitchen Social (Montgomery, OH)

System/Unit: FAN - Exhaust



Asset: EF-4

AREA:WOMENS RR

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-146
Serial Num	-	NL
Type	-	CEILING

Test Data		
	Design	Actual
CFM	75	90
RL Voltage	-	115

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NL
Horsepower	-	NL
Motor Rpm	814	1100
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.51
Service Factor	-	NL

Completed By: Mohammed Ouard on 10/09/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

System/Unit: FAN - Exhaust



Asset: EF-5

AREA:MENS RR

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	GC-168
Serial Num	-	NL
Type	-	CEILING

Test Data		
	Design	Actual
CFM	150	143
RL Voltage	-	115

Motor Data		
	Design	Actual
Motor MFG	-	QUEACE
Frame	-	NL
Horsepower	-	NL
Motor Rpm	1098	1550
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.4
Service Factor	-	NL

Completed By: Mohammed Ouard on 10/09/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Kitchen Hood Type I



Asset: KH-2

AREA:KITCHEN PREP

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XXEW-108-S
Job / Serial Num	-	22658922
Type	WALL STYLE CANOPY	WALL STYLE CANOPY
Hood length	108	108
Hood Width	60	60
Supply Plenum Type	-	ASP
Supply Plenum Width	14	14
Supply Plenum Length	108	108

Test Data Exhaust		
	Design	Actual
Filter Type	X-TRACTOR STLS	X-TRACTOR STLS
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	3	3
Filter Qty 2	3	3
Filter AK factor size 1	2.25	2.25
Filters AK factor size 2	3.00	3
Filter Total AK Area	15.75	15.75
Filter1 FPM	-	89
Filter2 FPM	-	96
Filter3 FPM	-	135
Filter4 FPM	-	146
Filter5 FPM	-	123
Filter6 FPM	-	145
Filter Ave FPM(corr)	-	122
CFM	1800	1921

Cooking Equipment		
	Design	Actual
Item 1	-	STOVE
Item 2	-	CONVECTION OVEN

Test Data Supply		
	Design	Actual
Total AK Area	10.5	
Kv factor (Vel)	0.90	
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	1440	

# National TAB

Project: Kitchen Social (Montgomery, OH)



## System/Unit: Kitchen Hood Type I

Asset: KH-1 SECTION 1

AREA: KITCHEN - COOK LINE

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XXEW-110.67-S
Job / Serial Num	-	22658919
Type	WALL STYLE CANOPY	WALL STYLE CANOPY
Hood length	110.67	110.67"
Hood Width	54	54"
Supply Plenum Type	-	SPLIT ASP
Supply Plenum Width	110.67 MUA / 110.67 SA	110.67 MUA / 110.67 SA
Supply Plenum Length	122.67 MUA / 122.67 SA	122.67 MUA / 122.67 SA

Test Data Supply		
	Design	Actual
Total AK Area	11.93 MUA / 8.52 AC	11.93 MUA / 8.52 AC
Kv factor (Vel)	0.90 MUA / 0.81 AC	0.90 MUA / 0.81 AC
Num of Readings	-	7
Reading1 FPM	-	47
Reading2 FPM	-	72
Reading3 FPM	-	42
Reading4 FPM	-	33
Reading5 FPM	-	47
Reading6 FPM	-	26
Reading7 FPM	-	34
Ave FPM(corr)	-	63
CFM	1776 MUA / 650 AC	434AC

Test Data Exhaust		
	Design	Actual
Filter Type	X-TRACTOR STLS	X-TRACTOR STLS
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	3	3
Filter Qty 2	3	3
Filter AK factor size 1	2.25	2.25
Filters AK factor size 2	3.0	3
Filter Total AK Area	15.75	15.75
Filter1 FPM	-	114
Filter2 FPM	-	119
Filter3 FPM	-	119
Filter4 FPM	-	120
Filter5 FPM	-	118
Filter6 FPM	-	139
Filter Ave FPM(corr)	-	122
CFM	2075	1921

Cooking Equipment		
	Design	Actual
Item 1	-	Pizza oven
Item 2	-	Convection oven

Notes:  
 TEMP Sensors not wired in for all sections of hood 1.  
 Fire fault detected.

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)



## System/Unit: Kitchen Hood Type I

Asset: KH-1 SECTION 2

AREA: KITCHEN - COOK LINE

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XXEW-110.67-S
Job / Serial Num	-	22658915
Type	WALL STYLE CANOPY	WALL STYLE CANOPY
Hood length	110.67	110.67"
Hood Width	54	54"
Supply Plenum Type	-	SPLIT ASP
Supply Plenum Width	14 MUA / 10 AC	14 MUA / 10 AC
Supply Plenum Length	110.67 MUA / 110.67 SA	110.67 MUA / 110.67 SA

Test Data Supply		
	Design	Actual
Total AK Area	10.76 MUA / 7.69 AC	10.76 MUA / 7.69 AC
Kv factor (Vel)	0.90 MUA / 0.81 AC	0.90 MUA / 0.81 AC
Num of Readings	-	6
Reading1 FPM	-	80
Reading2 FPM	-	65
Reading3 FPM	-	66
Reading4 FPM	-	61
Reading5 FPM	-	70
Reading6 FPM	-	41
Ave FPM(corr)	-	
CFM	-	

Test Data Exhaust		
	Design	Actual
Filter Type	X-TRACTOR STLS	X-TRACTOR STLS
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	3	3
Filter Qty 2	3	3
Filter AK factor size 1	2.25	2.25
Filters AK factor size 2	3.0	3
Filter Total AK Area	15.75	15.75
Filter1 FPM	-	140
Filter2 FPM	-	123
Filter3 FPM	-	152
Filter4 FPM	-	119
Filter5 FPM	-	129
Filter6 FPM	-	104
Filter Ave FPM(corr)	-	127
CFM	2075	2000

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE
Item 2	-	Fryer
Item 3	-	Fryer
Item 4	-	Fryer

# National TAB

Project: Kitchen Social (Montgomery, OH)



## System/Unit: Kitchen Hood Type I

Asset: KH-1 SECTION 3

AREA: KITCHEN - COOK LINE

Unit Data		
	Design	Actual
MFG	NA	ACCUREX
Model Num	NA	XXEW-110.67-S
Job / Serial Num	-	22658911
Type	WALL STYLE CANOPY	WALL STYLE CANOPY
Hood length	110.67	110.67"
Hood Width	54	54"
Supply Plenum Type	-	SPLIT ASP
Supply Plenum Width	14 MUA / 10 AC	14 MUA 10 AC
Supply Plenum Length	110.67 MUA / 110.67 SA	110.67 "

Test Data Supply		
	Design	Actual
Total AK Area	10.76 MUA / 7.69 AC	
Kv factor (Vel)	0.90 MUA / 0.81 AC	
Num of Readings	-	6
Reading1 FPM	-	101
Reading2 FPM	-	88
Reading3 FPM	-	78
Reading4 FPM	-	85
Reading5 FPM	-	89
Reading6 FPM	-	79
Ave FPM(corr)	-	
CFM	-	

Test Data Exhaust		
	Design	Actual
Filter Type	X-TRACTOR STLS	X-TRACTOR STLS
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	3	3
Filter Qty 2	3	3
Filter AK factor size 1	2.25	2.25
Filters AK factor size 2	3.0	3
Filter Total AK Area	15.75	15.75
Filter1 FPM	-	139
Filter2 FPM	-	128
Filter3 FPM	-	139
Filter4 FPM	-	143
Filter5 FPM	-	155
Filter6 FPM	-	159
Filter Ave FPM(corr)	-	143
CFM	2075	2252

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

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Kitchen Hood Type II



Asset: KH-3

AREA:DISHWASH

Unit Data		
	Design	Actual
MFG	NA	ACCCUREX
Model Num	NA	XD1-108-S
Serial Num	-	22658924
Type	TYPE II CANOPY	TYPE II CANOPY
Hood length	108	108
Hood Width	42	42

Test Data		
	Design	Actual
Exhaust CFM	1350	1260

Completed By: Gabe Merk on 10/13/2023

Notes:  
Waiting on dishwasher wiring to complete.

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-1

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-1/KITCHEN**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	KITCHEN	SD-3	10	400	515		-
1-2	EGRESS RAMP	SD-3	10	400	55		-
1-3	KITCHEN	SD-3	10	400	421		-
1-4	KITCHEN	SD-3	10	400	421		-
Total				1600	1412	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-2

AREA:HOOD

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.75	1
Motor Rpm	-	
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1615	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1315	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-2/HOOD**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1	HOOD	DUCT	8	85			-
2-2	HOOD	DUCT	8	85			-
2-3	HOOD	DUCT	8	85			-
2-4	HOOD	DUCT	8	85			-
2-5	HOOD	DUCT	8	85			-
2-6	HOOD	DUCT	8	85			-
2-7	HOOD	DUCT	8	85			-
2-8	HOOD	DUCT	8	85			-
2-9	HOOD	DUCT	8	85			-
2-10	HOOD	DUCT	8	85			-
2-11	HOOD	DUCT	8	85			-
2-12	HOOD	DUCT	8	85			-
2-13	HOOD	DUCT	8	85			-
2-14	HOOD	DUCT	8	85			-
2-15	HOOD	DUCT	8	85			-
2-16	HOOD	DUCT	8	85			-
2-17	HOOD	DUCT	8	85			-
2-18	HOOD	DUCT	8	85			-
2-19	HOOD	DUCT	8	85			-
<b>Total</b>				1615	0	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-3

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	2923A44026
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.75	1
Motor Rpm	-	
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-3/DINING**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
3-1	DINING	SD-6	24X21	1600	1340		-
Total				1600	1340	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-4

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.75	1
Motor Rpm	-	
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-4/DINING**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
4-1	DINING	SD-6	24X21	1600	1593		-
Total				1600	1593	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-5

AREA: VESTIBULE

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-5/VESTIBULE**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
5-1	HOSTESS	SD-5	21X21	1200	1212	1257	104.8
5-2	VESTIBULE	SG-1		400	170	362	90.5
Total				1600	1382	1619	101.19%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-6

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-6/DINING**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
6-1	DINING	SD-6	24X21	1600	1561		-
Total				1600	1561	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-7

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.75	
Motor Rpm	-	
Phase	1	
Voltage	120	
Amperage	-	

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	183

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-7/DINING**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
7-1	DINING	SD-6	24X21	1600	1538		-
Total				1600	1538	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-8

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	183

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



### Diffuser Supply (GRD)

#### F-8/DINING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
8-1	DINING	SD-6	24X21	1600	1453		-
Total				1600	1453	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-9

AREA:24X21

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

Notes:  
Unit in max fan speed and unable to get design airflow. Dampers proportionally balanced low.

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-9/24X21**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
9-1	KITCHEN	SD-3	10	400	230	326	81.5
9-2	KITCHEN	SD-3	10	400	308	337	84.3
9-3	KITCHEN	SD-3	10	400	379	353	88.3
9-4	KITCHEN	SD-3	10	400	439	343	85.8
Total				1600	1356	1359	84.94%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-10

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	2923A43995
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Motor Rpm	-	
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



### Diffuser Supply (GRD)

#### F-10/DINING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
10-1	DINING	SD-6	23X21	1600	1587		-
Total				1600	1587	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-11

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Horsepower	0.75	1
Phase	1	1
Voltage	120	115
Amperage	-	14.8

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	129

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



Diffuser Supply (GRD)

**F-11/DINING**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
11-1	DINING	SD-6	24X21	1600	1565		-
Total				1600	1565	0	0%

# National TAB

Project: Kitchen Social (Montgomery, OH)

## System/Unit: Split Sys Furnace



Asset: F-12

AREA:OFFICE

Unit Data		
	Design	Actual
MFG	NA	BRYANT
Model Num	NA	926TB60100V21
Serial Num	-	
Configuration	VERTICAL	VERTICAL
Filter Size Size 1	-	20"x25"x4"

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.75	
Motor Rpm	-	
Phase	1	
Voltage	120	
Amperage	-	

Test Data		
	Design	Actual
SF CFM	1600	
Motor Speed SetPt	-	
RL Voltage	-	120
RL Amperage	-	14.7
RA CFM	1300	
OA CFM	300	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.70	

**Notes:**

Damper supplying 12-2 is closed and not accessible.

Written By: Gabe Merk on 10/10/2023

# National TAB

Project: Kitchen Social (Montgomery, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**F-12/OFFICE**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
12-1	BAR PICKUP	SD-4	18X18	800	1165		-
12-2	BAR PICKUP	SG-1		400			-
12-3	UNISEX RR	SD-1	6	50	24		-
12-4	RR VESTIBULE	SD-1	6	100	93		-
12-5	WOMENS RR	SD-1	6	100	90		-
12-6	MENS RR	SD-1	6	50	93		-
12-7	OFFICE	SD-2	6	100	95		-
Total				1600	1560	0	0%