

Report By:

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

**NATIONAL**

**TAB**

Comfort. Under control.

**Report: pre**  
**Function: Test, Adjust, & Balance**  
**Date: 04/12/2023**

# PROJECT

## Game Stop #1623 (Florence, KY)

7723 Mall Road

Florence, KY 41042

Client

Champion Commercial HVAC

# National TAB

Project: Game Stop #1623 (Florence, KY)

## Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	5

# National TAB

Project: Game Stop #1623 (Florence, KY)  
System/Unit: AHU/RTU



Comfort. Under control.

Asset: XRTU-1

AREA:102

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Serial Num	-	0111G40708
Model Num	NA	50TC-D12
Configuration	-	VERTICAL
Num PreFilter 1	-	4
PreFilter Size 1	-	20"X20"X2"

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON ELECTRIC
Frame	-	NA
Horsepower	-	NA
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	4.8
Service Factor	-	1

Drive Data		
	Design	Actual
Motor Sheave Size	-	4.5"
Motor Bore Size	-	0.75"
Motor Sheave SetPt	-	2.5 TURNS OUT
Fan Sheave Size	-	7"
Fan Sheave Bore	-	1"
Belt CL Distance	-	17.5"
Num of Belts	-	1
Belt Size	-	13A1270

Test Data		
	Design	Actual
SF CFM	4000	3810
SF RPM	-	901.7
RA CFM	3450	3810
OA CFM	550	0
RL Voltage	460	494.1/495.4/491.3
RL Amperage	-	5.34/5.62/.178
Brake Horse Power	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.94"
Fan Suction SP	-	-1.23"
Fan Discharge SP	-	0.52"
Total ESP	-	1.46"
Fan Total SP	-	1.75"

Completed By: Michael Gabbert

Notes: RTU does not have an OA intake hood

# National TAB

Project: Game Stop #1623 (Florence, KY)

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### XRTU-1/102

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	101	S1	10	275	335	273	99.3
1-2	101	S1	10	275	327	267	97.1
1-3	101	S1	10	275	285	270	98.2
1-4	MGR'S DESK	S1	8	150	240	149	99.3
1-5	103	S1	8	150	222	151	100.7
1-6	102	S1	8	200	244	202	101.0
1-7	105	S1	8	150	263	147	98.0
1-8	104	S2	6	50	116	54	108.0
1-9	101	S1	10	275	335	262	95.3
1-10	101	S1	10	275	336	258	93.8
1-11	101	S1	10	275	265	270	98.2
1-12	101	S1	10	275	164	243	88.4
1-13	101	S1	10	275	90	256	93.1
1-14	101	S1	10	275	174	239	86.9
1-15	101	S1	10	275	167	263	95.6
1-16	101	S1	10	275	191	250	90.9
1-17	101	S1	10	275	185	256	93.1

Completed By: Michael Gabbert on

# National TAB

Project: Game Stop #1623 (Florence, KY)  
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: XEF-1

AREA:104

Unit Data		
	Design	Actual
<b>MFG</b>	NA	EXISTING
<b>Model Num</b>	NA	EXISTING
<b>Serial Num</b>	-	NA
<b>Type</b>	-	CEILING

Test Data		
	Design	Actual
<b>CFM</b>	75	21

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	NA
<b>Frame</b>	-	NA
<b>Horsepower</b>	-	NA
<b>Motor Rpm</b>	-	NA
<b>Phase</b>	-	NA
<b>Voltage (rated)</b>	-	NA
<b>Amperage (rated)</b>	-	NA
<b>Service Factor</b>	-	NA

Completed By: Jordan Best

Notes: