

Report By:

National TAB
1329 E. KEMPER ROAD
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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

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Project: Game Stop #1623 (Florence, KY)

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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" |

| Test Data | | |
|--------------------|--------|-------------------|
| | Design | Actual |
| SF CFM | 4000 | 3810 |
| SF RPM | - | 901.7 |
| RA CFM | 3450 | 3810 |
| OA CFM | 550 | 507 |
| RL Voltage | 460 | 494.1/495.4/491.3 |
| RL Amperage | - | 4.1/4.4/4.1 |
| OA Damper Position | - | 100% |

| 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 |

| 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" |

| 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 |

Completed By: Nick Payne

Notes:

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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

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



Comfort. Under control.

Asset: XEF-1

AREA:104

| Unit Data | | |
|-------------------|--------|----------|
| | Design | Actual |
| MFG | NA | EXISTING |
| Model Num | NA | EXISTING |
| Serial Num | - | NA |
| Type | - | CEILING |

| Test Data | | |
|------------|--------|--------|
| | Design | Actual |
| CFM | 75 | 21 |

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

Completed By: Jordan Best

Notes: