

Report By:

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

NATIONAL

TAB

Comfort. Under control.

**Report: PRELIM REPORT
Function: Test, Adjust, & Balance
Date: 01/10/2023**

PROJECT

01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

268-B FRANKLIN VILLAGE DR

FRANKLIN, MA 02038

Client

Five Guys Enterprises LLC
20718 Richmond Highway

Lorton, VA 22079

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA:

| Unit Data | | | Test Data | | |
|---------------------|--------------------|--------------------|------------------------|--------|--------|
| | Design | Actual | | Design | Actual |
| MFG | CARRIER | CARRIER | SF CFM | - | |
| Serial Num | - | 3222P35663 | SF RPM | - | |
| Model Num | 48TCEM08A2A5A0A0A0 | 48TCEM08A2A5A0A0A0 | RA CFM | - | |
| Type | - | RTU | OA CFM | - | |
| Configuration | - | VERTICAL | RL Voltage | - | |
| Num OA Filters 1 | - | 2 | RL Amperage | - | |
| OA Filter Size 1 | - | 25X20 | SF Rotation | - | CCW |
| Num Final Filter 1 | - | 4 | RA Damper Position | - | |
| Final Filter Size 1 | - | 20X20X2 | Min OA Damper Position | - | |

| Motor Data | | |
|----------------|--------|----------|
| | Design | Actual |
| Motor MFG | - | MARATHON |
| Frame | - | 56HZ |
| Horsepower | - | NL |
| Motor Rpm | - | 1725 |
| Phase | - | 3 |
| Rated Voltage | - | 208 |
| Rated Amperage | - | 8.8 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | |
| Fan Suction SP | - | |
| Fan Discharge SP | - | |
| Total ESP | - | |
| Fan Total SP | - | |

| Drive Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| Motor Sheave Size | - | 1VM50X-7/8 |
| Motor Bore Size | - | 7/8" |
| Motor Sheave SetPt | - | 2 TURNS OUT |
| Fan Sheave Size | - | AFD84 |
| Fan Sheave Bore | - | 1" |
| Belt CL Distance | - | 16.25" |
| Num of Belts | - | 1 |
| Belt Size | - | AX52 |
| Belt Alignment | - | GOOD |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | CCW |
| Unit Filters Clean | - | YES |
| Condensate Drain Installed | - | YES |

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU2

AREA:

| Unit Data | | | Test Data | | |
|---------------------|--------------------|--------------------|------------------------|--------|--------|
| | Design | Actual | | Design | Actual |
| MFG | CARRIER | CARRIER | SF CFM | - | |
| Serial Num | - | 3222P35665 | SF RPM | - | |
| Model Num | 48TCEMD8A2A5A0A0A0 | 48TCEM08A2A5A0A0A0 | RA CFM | - | |
| Type | - | RTU | OA CFM | - | |
| Configuration | - | VERTICAL | RL Voltage | - | |
| Num OA Filters 1 | - | 2 | RL Amperage | - | |
| OA Filter Size 1 | - | 20X25 | SF Rotation | - | CCW |
| Num Final Filter 1 | - | 4 | RA Damper Position | - | |
| Final Filter Size 1 | - | 20X20X2 | Min OA Damper Position | - | |

| Motor Data | | |
|----------------|--------|----------|
| | Design | Actual |
| Motor MFG | - | MARATHON |
| Frame | - | 56HZ |
| Horsepower | - | NL |
| Motor Rpm | - | 1725 |
| Phase | - | 3 |
| Rated Voltage | - | 208 |
| Rated Amperage | - | 8.8 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | |
| Fan Suction SP | - | |
| Fan Discharge SP | - | |
| Total ESP | - | |
| Fan Total SP | - | |

| Drive Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| Motor Sheave Size | - | 1VM50X-7/8 |
| Motor Bore Size | - | 7/8" |
| Motor Sheave SetPt | - | 2 TURNS OUT |
| Fan Sheave Size | - | AFD84 |
| Fan Sheave Bore | - | 1" |
| Belt CL Distance | - | 16.25" |
| Num of Belts | - | 1 |
| Belt Size | - | AX52 |
| Belt Alignment | - | GOOD |

| General | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Fan Rotation Correct | - | |
| Unit Filters Clean | - | |
| Condensate Drain Installed | - | |

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:

| Unit Data | | |
|---------------|--------|--------|
| | Design | Actual |
| MFG | DD | BELT |
| Model Num | NA | NA |
| Serial Num | - | |
| Type | - | |
| Configuration | - | |

| Test Data | | |
|---------------|--------|--------|
| | Design | Actual |
| CFM | - | |
| Fan RPM | - | |
| Fan Rotation | - | |
| Motor RPM | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Suction ESP | - | |
| Discharge ESP | - | |
| Total ESP | - | |

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

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: FAN - Exhaust



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Asset: EF2

AREA:

| Unit Data | | |
|---------------|--------|----------|
| | Design | Actual |
| MFG | DD | DD |
| Model Num | NA | NA |
| Serial Num | - | NA |
| Type | - | CEILING |
| Configuration | - | VERTICAL |

| 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 |

| Test Data | | |
|---------------|--------|--------|
| | Design | Actual |
| CFM | - | 73 |
| Fan RPM | - | NA |
| Fan Rotation | - | NA |
| Motor RPM | - | NA |
| RL Voltage | - | NA |
| RL Amperage | - | NA |
| Suction ESP | - | NA |
| Discharge ESP | - | NA |
| Total ESP | - | NA |

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: FAN - Exhaust



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Asset: EF3

AREA:

| Unit Data | | |
|---------------|--------|----------|
| | Design | Actual |
| MFG | DD | DD |
| Model Num | NA | NA |
| Serial Num | - | NA |
| Type | - | CEILING |
| Configuration | - | VERTICAL |

| 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 |

| Test Data | | |
|------------------|--------|--------|
| | Design | Actual |
| CFM | - | 71 |
| Fan RPM | - | NA |
| Fan Rotation | - | NA |
| Motor RPM | - | NA |
| System SetPt | - | NA |
| RL Voltage | - | NA |
| RL Amperage | - | NA |
| Total ESP | - | NA |
| Fan Inlet SP | - | NA |
| Fan Discharge SP | - | NA |

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

| Unit Data | | |
|------------------|--------|-------------|
| | Design | Actual |
| MFG | NO PSP | CAPTIVEAIRE |
| Model Num | NA | NL |
| Job / Serial Num | - | NL |
| Hood length | - | 108" |
| Hood Width | - | 33" |

| Test Data Exhaust | | |
|--------------------------|--------|------------------|
| | Design | Actual |
| Filter Type | - | CAPTRATE SOLO |
| Filter Size 1 | - | 16X20 |
| Filter Size 2 | - | 16X16 |
| Filter Qty 1 | - | 3 |
| Filter Qty 2 | - | 3 |
| Filter AK factor size 1 | - | 2.08 |
| Filters AK factor size 2 | - | 1.62 |
| Filter Total AK Area | - | 11.1 |
| Filter1 FPM | - | 181 |
| Filter2 FPM | - | 170 |
| Filter3 FPM | - | 186 |
| Filter4 FPM | - | 186 |
| Filter5 FPM | - | 195 |
| Filter6 FPM | - | 154 |
| Filter Ave FPM(corr) | - | 179 |
| CFM | - | 1986 |

| Cooking Equipment | | |
|-------------------|--------|--------|
| | Design | Actual |
| Item 1 | - | FRYER |
| Item 2 | - | FRYER |

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Project: 01-09-23 FIVE GUYS #1158 - FRANKLIN, MA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:

Unit Data

| | Design | Actual |
|------------------|--------|-------------|
| MFG | NO PSP | CAPTIVEAIRE |
| Model Num | NA | NL |
| Job / Serial Num | - | NL |
| Hood length | - | 108" |
| Hood Width | - | 33" |

Test Data Exhaust

| | Design | Actual |
|--------------------------|--------|---------------|
| Filter Type | - | CAPTRATE SOLO |
| Filter Size 1 | - | 16X20 |
| Filter Size 2 | - | 16X16 |
| Filter Qty 1 | - | 3 |
| Filter Qty 2 | - | 3 |
| Filter AK factor size 1 | - | 2.08 |
| Filters AK factor size 2 | - | 1.62 |
| Filter Total AK Area | - | 11.1 |
| Filter1 FPM | - | 177 |
| Filter2 FPM | - | 175 |
| Filter3 FPM | - | 167 |
| Filter4 FPM | - | 148 |
| Filter5 FPM | - | 158 |
| Filter6 FPM | - | 187 |
| Filter Ave FPM(corr) | - | 169 |
| CFM | - | 1875 |

Cooking Equipment

| | Design | Actual |
|--------|--------|---------|
| Item 1 | - | GRIDDLE |
| Item 2 | - | GRIDDLE |

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