



Comfort. Under control.

### 02-06-23 RED ROBIN GLENDALE AZ

#### CheckList Information

**Name :** TECH - STEP 1: INITIAL WALKTHROUGH **Status :** NotSubmitted

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

#### CheckList Item Details

##### INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?

All hood filters installed and accounted for?

Hoods are wired and have power?

Hood is free of alarms?

Thermostats have power?

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

##### Notes/Comments :



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### 02-06-23 RED ROBIN GLENDALE AZ

#### CheckList Information

|                                  |                                   |                 |              |
|----------------------------------|-----------------------------------|-----------------|--------------|
| <b>Name :</b>                    | TECH - STEP 2: UNIT DATA AND EVAL | <b>Status :</b> | NotSubmitted |
| <b>Assigned Organization :</b>   | National TAB                      | <b>Asset :</b>  |              |
| <b>Requesting Organization :</b> | National TAB                      |                 |              |

#### CheckList Item Details

##### UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

##### RTU's/AHU's

- Economizers are assembled and functional?
- DCV Max damper opening position is set to minimum?
- Free cooling enthalpy set point set for lowest setting (Typically "D")
- Motors are all operating below the FLA rating?
- Are belts tight?
- If direct drive unit is the speed controller working.
- Is gas piping installed and valves turned on?
- Unit free of noticeable noise and vibration

##### EF's

- Rotation is correct?
- Belts are tight?
- Grease cup installed on hood fan?
- Hinge kit installed installed on hood fan?
- Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?

Flex conduit is long enough so that fan can be completely tilted back?

There is no major leakage around base of fan?

Is the motor operating below the motor FLA rating?

For restroom fan(s) is the back draft damper installed and can it fully open?

Unit free of noticeable noise and vibration?

**MUA**

Rotation is correct?

Gas piping is installed and valves are in on position?

Heater tested and is functional?

Internal motorized damper is fully opening?

Motor is operating below the FLA rating?

Unit free of noticeable noise and vibration?

**HOODS**

Kitchen equipment installed in proper places?

Can kitchen equipment be turned on for final smoke test?

**DOCUMENTATION**

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?

**Notes/Comments :**



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### 02-06-23 RED ROBIN GLENDALE AZ

#### CheckList Information

**Name :** TECH - STEP 3: TEST, ADJUST AND BALANCE **Status :** NotSubmitted

**Assigned Organization :** National TAB **Asset :**

**Requesting Organization :** National TAB

#### CheckList Item Details

**TEST, ADJUST, AND BALANCE ALL EQUIPMENT:**

**DURING TESTING MAKE NOTE OF THE FOLLOWING:**

Is space free of drafting?

Is space comfortable in all areas?

Is the space free of ventilation noise?

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

**Notes/Comments :**



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### 02-06-23 RED ROBIN GLENDALE AZ

#### CheckList Information

|                                  |                            |                 |              |
|----------------------------------|----------------------------|-----------------|--------------|
| <b>Name :</b>                    | TECH - STEP 4: FINAL TESTS | <b>Status :</b> | NotSubmitted |
| <b>Assigned Organization :</b>   | National TAB               | <b>Asset :</b>  |              |
| <b>Requesting Organization :</b> | National TAB               |                 |              |

#### CheckList Item Details

##### FINAL TESTS

##### HOOD CAPTURE TEST

List equipment turned on for testing

List smoke candle type used

Smoke test capture - Perimeter of hood

Smoke test capture - Top of cooking surface

##### WITNESS

Date test was completed

TAB tech name / Firm

Site super name / Firm

Owner representative name / Firm (if Applicable)

Building pressure at front & back doors (All Systems On)

##### ADDITIONAL

Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)

Thermostats are programmed?

##### Notes/Comments :





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### 02-06-23 RED ROBIN GLENDALE AZ

#### CheckList Information

|                                  |                                    |                 |              |
|----------------------------------|------------------------------------|-----------------|--------------|
| <b>Name :</b>                    | TECH - STEP 5: FINAL DOCUMENTATION | <b>Status :</b> | NotSubmitted |
| <b>Assigned Organization :</b>   | National TAB                       | <b>Asset :</b>  |              |
| <b>Requesting Organization :</b> | National TAB                       |                 |              |

#### CheckList Item Details

##### FINAL DOCUMENTATION

Marked Data capture complete for all assets?

Picture file sent to processing team or uploaded?

Balance schedule complete and uploaded?

Prelim report generated and reviewed?

##### Notes/Comments :

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: AHU/RTU



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Asset: DOAS1

AREA:

| Unit Data           |                         |                         |
|---------------------|-------------------------|-------------------------|
|                     | Design                  | Actual                  |
| MFG                 | CAPTIVEAIRE             | CAPTIVEAIRE             |
| Serial Num          | -                       |                         |
| Model Num           | CASTRU3-14.400-20T-DOAS | CASTRU3-14.400-20T-DOAS |
| Type                | -                       |                         |
| Configuration       | -                       |                         |
| Num OA Filters 1    | -                       |                         |
| OA Filter Size 1    | -                       |                         |
| Num Final Filter 1  | -                       |                         |
| Final Filter Size 1 | -                       |                         |
| Num Final Filter 2  | -                       |                         |
| Final Filter Size 2 | -                       |                         |

| Motor Data     |        |        |
|----------------|--------|--------|
|                | Design | Actual |
| Motor MFG      | -      |        |
| Frame          | -      |        |
| Horsepower     | -      |        |
| Motor Rpm      | -      |        |
| Phase          | -      |        |
| Rated Voltage  | -      |        |
| Rated Amperage | -      |        |

| 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          | -      |        |
| Belt Alignment     | -      |        |

| Test Data              |        |        |
|------------------------|--------|--------|
|                        | Design | Actual |
| SF CFM                 | -      |        |
| SF RPM                 | -      |        |
| RA CFM                 | -      |        |
| OA CFM                 | -      |        |
| RL Voltage             | -      |        |
| RL Amperage            | -      |        |
| SF Rotation            | -      |        |
| RA Damper Position     | -      |        |
| Min OA Damper Position | -      |        |
| Min OA Damper Type     | -      |        |
| OA Enthalpy Setpt      | -      |        |

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

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: AHU/RTU



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Asset: RTU1

AREA:DINING

| Unit Data           |                            |                            |
|---------------------|----------------------------|----------------------------|
|                     | Design                     | Actual                     |
| MFG                 | CAPTIVEAIRE                | CAPTIVEAIRE                |
| Serial Num          | -                          |                            |
| Model Num           | CASTRU-I.300-20-12.5T-DOAS | CASTRU-I.300-20-12.5T-DOAS |
| Type                | -                          |                            |
| Configuration       | -                          |                            |
| Num OA Filters 1    | -                          |                            |
| OA Filter Size 1    | -                          |                            |
| Num Final Filter 1  | -                          |                            |
| Final Filter Size 1 | -                          |                            |
| Num Final Filter 2  | -                          |                            |
| Final Filter Size 2 | -                          |                            |

| Test Data              |        |        |
|------------------------|--------|--------|
|                        | Design | Actual |
| SF CFM                 | -      |        |
| SF RPM                 | -      |        |
| RA CFM                 | -      |        |
| OA CFM                 | -      |        |
| RL Voltage             | -      |        |
| RL Amperage            | -      |        |
| SF Rotation            | -      |        |
| RA Damper Position     | -      |        |
| Min OA Damper Position | -      |        |
| Min OA Damper Type     | -      |        |
| OA Enthalpy Setpt      | -      |        |

| Motor Data     |        |        |
|----------------|--------|--------|
|                | Design | Actual |
| Motor MFG      | -      |        |
| Frame          | -      |        |
| Horsepower     | -      |        |
| Motor Rpm      | -      |        |
| Phase          | -      |        |
| Rated Voltage  | -      |        |
| Rated Amperage | -      |        |

| 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  | -      |        |
| Motor Bore Size    | -      |        |
| Motor Sheave SetPt | -      |        |
| Fan Sheave Size    | -      |        |
| Fan Sheave Bore    | -      |        |
| Belt CL Distance   | -      |        |
| Num of Belts       | -      |        |
| Belt Size          | -      |        |
| Belt Alignment     | -      |        |

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

## System/Unit: AHU/RTU



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Asset: RTU2

AREA:KITHCHEN

| Unit Data           |                         |                         |
|---------------------|-------------------------|-------------------------|
|                     | Design                  | Actual                  |
| MFG                 | CAPTIVEAIRE`            | CAPTIVEAIRE`            |
| Serial Num          | -                       |                         |
| Model Num           | CASTRU-I-150-15.6T-DOAS | CASTRU-I-150-15.6T-DOAS |
| Type                | -                       |                         |
| Configuration       | -                       |                         |
| Num OA Filters 1    | -                       |                         |
| OA Filter Size 1    | -                       |                         |
| Num Final Filter 1  | -                       |                         |
| Final Filter Size 1 | -                       |                         |
| Num Final Filter 2  | -                       |                         |
| Final Filter Size 2 | -                       |                         |

| Motor Data     |        |        |
|----------------|--------|--------|
|                | Design | Actual |
| Motor MFG      | -      |        |
| Frame          | -      |        |
| Horsepower     | -      |        |
| Motor Rpm      | -      |        |
| Phase          | -      |        |
| Rated Voltage  | -      |        |
| Rated Amperage | -      |        |

| 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          | -      |        |
| Belt Alignment     | -      |        |

| Test Data              |        |        |
|------------------------|--------|--------|
|                        | Design | Actual |
| SF CFM                 | -      |        |
| SF RPM                 | -      |        |
| RA CFM                 | -      |        |
| OA CFM                 | -      |        |
| RL Voltage             | -      |        |
| RL Amperage            | -      |        |
| SF Rotation            | -      |        |
| RA Damper Position     | -      |        |
| Min OA Damper Position | -      |        |
| Min OA Damper Type     | -      |        |
| OA Enthalpy Setpt      | -      |        |

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

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: FAN - Exhaust



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Asset: EF1

AREA:

| Unit Data            |             |             |
|----------------------|-------------|-------------|
|                      | Design      | Actual      |
| <b>MFG</b>           | CAPTIVEAIRE | CAPTIVEAIRE |
| <b>Model Num</b>     | CASRE20DD   | CASRE20DD   |
| <b>Serial Num</b>    | -           |             |
| <b>Type</b>          | -           |             |
| <b>Configuration</b> | -           |             |

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

| Test Data               |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>CFM</b>              | -      |        |
| <b>Fan RPM</b>          | -      |        |
| <b>Fan Rotation</b>     | -      |        |
| <b>Motor RPM</b>        | -      |        |
| <b>System SetPt</b>     | -      |        |
| <b>RL Voltage</b>       | -      |        |
| <b>RL Amperage</b>      | -      |        |
| <b>Total ESP</b>        | -      |        |
| <b>Fan Inlet SP</b>     | -      |        |
| <b>Fan Discharge SP</b> | -      |        |

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:

| Unit Data     |             |             |
|---------------|-------------|-------------|
|               | Design      | Actual      |
| MFG           | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num     | DU180HFA    | DU180HFA    |
| Serial Num    | -           |             |
| Type          | -           |             |
| Configuration | -           |             |

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

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: FAN - Exhaust



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Asset: EF3

AREA:

| Unit Data     |             |             |
|---------------|-------------|-------------|
|               | Design      | Actual      |
| MFG           | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num     | DR33HFA     | DR33HFA     |
| Serial Num    | -           |             |
| Type          | -           |             |
| Configuration | -           |             |

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

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF4

AREA:

| Unit Data     |             |             |
|---------------|-------------|-------------|
|               | Design      | Actual      |
| MFG           | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num     | DR12HFA     | DR12HFA     |
| Serial Num    | -           |             |
| Type          | -           |             |
| Configuration | -           |             |

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

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: Kitchen Hood Type I



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Asset: HD1

AREA:

| Unit Data               |             |             |
|-------------------------|-------------|-------------|
|                         | Design      | Actual      |
| <b>MFG</b>              | CAPTIVEAIRE | CAPTIVEAIRE |
| <b>Model Num</b>        | 5430ND-2    | 5430ND-2    |
| <b>Job / Serial Num</b> | -           |             |
| <b>Type</b>             | -           |             |
| <b>Hood length</b>      | -           |             |
| <b>Hood Width</b>       | -           |             |

| Test Data Exhaust               |        |        |
|---------------------------------|--------|--------|
|                                 | Design | Actual |
| <b>Filter Type</b>              | -      |        |
| <b>Filter Size 1</b>            | -      |        |
| <b>Filter Size 2</b>            | -      |        |
| <b>Filter Qty 1</b>             | -      |        |
| <b>Filter Qty 2</b>             | -      |        |
| <b>Filter AK factor size 1</b>  | -      |        |
| <b>Filters AK factor size 2</b> | -      |        |
| <b>Filter Total AK Area</b>     | -      |        |
| <b>Filter1 FPM</b>              | -      |        |
| <b>Filter2 FPM</b>              | -      |        |
| <b>Filter3 FPM</b>              | -      |        |
| <b>Filter4 FPM</b>              | -      |        |
| <b>Filter5 FPM</b>              | -      |        |
| <b>Filter6 FPM</b>              | -      |        |
| <b>Filter7 FPM</b>              | -      |        |
| <b>Filter8 FPM</b>              | -      |        |
| <b>Filter9 FPM</b>              | -      |        |
| <b>Filter10 FPM</b>             | -      |        |
| <b>Filter11 FPM</b>             | -      |        |
| <b>Filter12 FPM</b>             | -      |        |
| <b>Filter Ave FPM(corr)</b>     | -      |        |
| <b>CFM</b>                      | -      |        |

| Cooking Equipment |        |        |
|-------------------|--------|--------|
|                   | Design | Actual |
| <b>Item 1</b>     | -      |        |
| <b>Item 2</b>     | -      |        |

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

System/Unit: Kitchen Hood Type I



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Asset: HD2

AREA:

### Unit Data

|                  | Design      | Actual      |
|------------------|-------------|-------------|
| MFG              | CAPTIVEAIRE | CAPTIVEAIRE |
| Model Num        | 5430ND-2    | 5430ND-2    |
| Job / Serial Num | -           |             |
| Type             | -           |             |
| Hood length      | -           |             |
| Hood Width       | -           |             |

### Test Data Exhaust

|                          | Design | Actual |
|--------------------------|--------|--------|
| Filter Type              | -      |        |
| Filter Size 1            | -      |        |
| Filter Size 2            | -      |        |
| Filter Qty 1             | -      |        |
| Filter Qty 2             | -      |        |
| Filter AK factor size 1  | -      |        |
| Filters AK factor size 2 | -      |        |
| Filter Total AK Area     | -      |        |
| Filter1 FPM              | -      |        |
| Filter2 FPM              | -      |        |
| Filter3 FPM              | -      |        |
| Filter4 FPM              | -      |        |
| Filter5 FPM              | -      |        |
| Filter6 FPM              | -      |        |
| Filter7 FPM              | -      |        |
| Filter8 FPM              | -      |        |
| Filter9 FPM              | -      |        |
| Filter10 FPM             | -      |        |
| Filter11 FPM             | -      |        |
| Filter12 FPM             | -      |        |
| Filter Ave FPM(corr)     | -      |        |
| CFM                      | -      |        |

### Cooking Equipment

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

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Notes:

# National TAB

Project: 02-06-23 RED ROBIN GLENDALE AZ

## System/Unit: Kitchen Hood Type II



Comfort. Under control.

Asset: HD3

AREA:

| Unit Data          |             |             |
|--------------------|-------------|-------------|
|                    | Design      | Actual      |
| <b>MFG</b>         | CAPTIVEAIRE | CAPTIVEAIRE |
| <b>Model Num</b>   | 4224 VHB-G  | 4224 VHB-G  |
| <b>Serial Num</b>  | -           |             |
| <b>Type</b>        | -           |             |
| <b>Hood length</b> | -           |             |
| <b>Hood Width</b>  | -           |             |

| Test Data          |        |        |
|--------------------|--------|--------|
|                    | Design | Actual |
| <b>Exhaust CFM</b> | -      |        |

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Notes: