

Report By:

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



Report: Skechers TAB Report- Dayton Oh

Function: Test, Adjust, & Balance

Date: 04/09/2025

Completed By: National TAB

PROJECT
SKECHERS (DAYTON, OH)

2661 MIAMISBURG CENTERVILLE ROAD

DAYTON , OH 45459

Client

Champion Commercial HVAC

2638 Tem Mile Rd.

Melbourne, KY 41059

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Project: SKECHERS (DAYTON, OH)

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Project: SKECHERS (DAYTON, OH)

System/Unit: AHU/RTU



Asset: RTU1

AREA:BACK OF STORE

| Unit Data | | |
|------------------|----------|-------------------|
| | Design | Actual |
| MFG | N/A | RUUD |
| Serial Num | - | F372401040 |
| Model Num | N/A | RGEG2T180ADG322BA |
| Configuration | VERTICLE | VERTICAL |
| Num OA Filters 1 | - | 6 |
| OA Filter Size 1 | - | 22x17 |
| Num PreFilter 1 | - | 8 |
| PreFilter Size 1 | - | 20x24x2 |

| Test Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| SF CFM | 6000 | 6158 |
| SF RPM | - | 996 |
| RA CFM | - | 4979 |
| OA CFM | 1100 | 1179 |
| RL Voltage | - | 231 |
| RL Amperage | - | 7.1 |
| OA Damper Position | - | 2.0 |

| Motor Data | | |
|----------------|--------|----------|
| | Design | Actual |
| Motor MFG | - | MARATHON |
| Frame | - | 184T |
| Horsepower | - | 5 |
| Motor Rpm | - | 1755 |
| Phase | - | 3 |
| Rated Voltage | - | 230 |
| Rated Amperage | - | 12.6 |
| Service Factor | - | 1.15 |

| Drive Data | |
|--------------------|-----------|
| | Actual |
| Motor Sheave Size | 5 1/2" |
| Motor Bore Size | 1" |
| Motor Sheave SetPt | 2.5 TURNS |
| Fan Sheave Size | 9 1/2" |
| Fan Sheave Bore | 1 1/2" |
| Belt CL Distance | 20 1/2" |
| Num of Belts | 1 |
| Belt Size | B61 |

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Project: SKECHERS (DAYTON, OH)

AHU/RTU



Diffuser Supply (GRD)

RTU1/BACK OF STORE

| Asset | | | | | | | |
|-------------|------------|-----------|------|------------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | CFM(1) | FINAL CFM | % to design |
| RTU1-SGRD1 | NORTH WEST | DOWNBLAST | 12" | 300 | 434 | 321 | 107.0 |
| RTU1-SGRD2 | NORTH WEST | DOWNBLAST | 6" | 300 | 278 | 319 | 106.3 |
| RTU1-SGRD3 | SOUTH WEST | DOWNBLAST | 12" | 300 | 321 | 298 | 99.3 |
| RTU1-SGRD4 | SOUTH WEST | DOWNBLAST | 6" | 300 | 334 | 314 | 104.7 |
| RTU1-SGRD5 | NORTH | DOWNBLAST | 16" | 300 | 335 | 301 | 100.3 |
| RTU1-SGRD6 | NORTH | DOWNBLAST | 16" | 300 | 421 | 328 | 109.3 |
| RTU1-SGRD7 | NORTH | DOWNBLAST | 12" | 300 | 252 | 279 | 93.0 |
| RTU1-SGRD8 | NORTH | DOWNBLAST | 12" | 300 | 194 | 306 | 102.0 |
| RTU1-SGRD9 | SOUTH | DOWNBLAST | 16" | 300 | 323 | 311 | 103.7 |
| RTU1-SGRD10 | SOUTH | DOWNBLAST | 16" | 300 | 342 | 321 | 107.0 |
| RTU1-SGRD11 | SOUTH | DOWNBLAST | 12" | 300 | 443 | 323 | 107.7 |
| RTU1-SGRD12 | SOUTH | DOWNBLAST | 12" | 300 | 223 | 287 | 95.7 |
| RTU1-SGRD13 | NORTH EAST | DOWNBLAST | 16" | 300 | 422 | 302 | 100.7 |
| RTU1-SGRD14 | NORTH EAST | DOWNBLAST | 16" | 300 | 124 | 325 | 108.3 |
| RTU1-SGRD15 | NORTH EAST | DOWNBLAST | 12" | 300 | 354 | 277 | 92.3 |
| RTU1-SGRD16 | NORTH EAST | DOWNBLAST | 12" | 300 | 242 | 304 | 101.3 |
| RTU1-SGRD17 | SOUTH EAST | DOWNBLAST | 16" | 300 | 381 | 304 | 101.3 |
| RTU1-SGRD18 | SOUTH EAST | DOWNBLAST | 16" | 300 | 323 | 306 | 102.0 |
| RTU1-SGRD19 | SOUTH EAST | DOWNBLAST | 12" | 300 | 422 | 309 | 103.0 |
| RTU1-SGRD20 | SOUTH EAST | DOWNBLAST | 12" | 300 | 219 | 323 | 107.7 |
| Total | | | | 6000 | 6387 | 6158 | 102.63% |

National TAB

Project: SKECHERS (DAYTON, OH)
System/Unit: AHU/RTU



Asset: RTU2

AREA:FRONT OF STORE

| Unit Data | | |
|------------------|----------|-------------------|
| | Design | Actual |
| MFG | N/A | RUUD |
| Serial Num | - | F372400138 |
| Model Num | N/A | RGEG2T180ADG322BA |
| Configuration | VERTICLE | VERTICAL |
| Num OA Filters 1 | - | 6 |
| OA Filter Size 1 | - | 22x17 |
| Num PreFilter 1 | - | 8 |
| PreFilter Size 1 | - | 20x24x2 |

| Test Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| SF CFM | 6000 | 6051 |
| SF RPM | - | 493 |
| RA CFM | - | 4902 |
| OA CFM | 1100 | 1149 |
| RL Voltage | - | 231 |
| RL Amperage | - | 7.0 |
| OA Damper Position | - | 2.9 |

| Motor Data | | |
|----------------|--------|----------|
| | Design | Actual |
| Motor MFG | - | Marathon |
| Frame | - | 184T |
| Horsepower | - | 5 |
| Motor Rpm | - | 1755 |
| Phase | - | 3 |
| Rated Voltage | - | 230 |
| Rated Amperage | - | 12.6 |
| Service Factor | - | 1.15 |

| Drive Data | |
|--------------------|---------|
| | Actual |
| Motor Sheave Size | 5 1/2" |
| Motor Bore Size | 1" |
| Motor Sheave SetPt | 2 TURNS |
| Fan Sheave Size | 9 1/2" |
| Fan Sheave Bore | 1 1/2" |
| Belt CL Distance | 20 1/2" |
| Num of Belts | 1 |
| Belt Size | B 61 |

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Project: SKECHERS (DAYTON, OH)

AHU/RTU



Diffuser Supply (GRD)

RTU2/FRONT OF STORE

| Asset | | | | | | | | | |
|-------------|----------------|-----------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| RTU2-SGRD1 | NORTH EAST | DOWNBLAST | 16" | 300 | | 399 | 349 | 298 | 99.3 |
| RTU2-SGRD2 | NORTH EAST | DOWNBLAST | 16" | 300 | | 370 | 371 | 289 | 96.3 |
| RTU2-SGRD3 | NORTH EAST | DOWNBLAST | 12" | 300 | | 362 | 369 | 296 | 98.7 |
| RTU2-SGRD4 | NORTH EAST | DOWNBLAST | 12" | 300 | | 370 | 348 | 301 | 100.3 |
| RTU2-SGRD5 | SOUTH EAST | DOWNBLAST | 16" | 300 | | 435 | 404 | 302 | 100.7 |
| RTU2-SGRD6 | SOUTH EAST | DOWNBLAST | 16" | 300 | | 410 | 356 | 296 | 98.7 |
| RTU2-SGRD7 | SOUTH EAST | DOWNBLAST | 12" | 300 | | 369 | 383 | 321 | 107.0 |
| RTU2-SGRD8 | SOUTH EAST | DOWNBLAST | 12" | 300 | | 369 | 340 | 323 | 107.7 |
| RTU2-SGRD9 | NORTH | DOWNBLAST | 16" | 300 | | 443 | 387 | 305 | 101.7 |
| RTU2-SGRD10 | NORTH | DOWNBLAST | 16" | 300 | | 386 | 384 | 304 | 101.3 |
| RTU2-SGRD11 | NORTH | DOWNBLAST | 12" | 300 | | 458 | 407 | 306 | 102.0 |
| RTU2-SGRD12 | NORTH | DOWNBLAST | 12" | 300 | | 436 | 407 | 302 | 100.7 |
| RTU2-SGRD13 | SOUTH | DOWNBLAST | 16" | 300 | | 333 | 321 | 321 | 107.0 |
| RTU2-SGRD14 | SOUTH | DOWNBLAST | 16" | 300 | | 407 | 386 | 300 | 100.0 |
| RTU2-SGRD15 | SOUTH | DOWNBLAST | 12" | 300 | | 354 | 330 | 330 | 110.0 |
| RTU2-SGRD16 | SOUTH | DOWNBLAST | 12" | 300 | | 355 | 350 | 314 | 104.7 |
| RTU2-SGRD17 | BREAK ROOM | DOWNBLAST | 6" | 60 | 1 | 135 | | 66 | 110.0 |
| RTU2-SGRD18 | OFFICE | DOWNBLAST | 6" | 65 | 1 | 153 | | 62 | 95.4 |
| RTU2-SGRD19 | ENTRY | DOWNBLAST | 6" | 150 | | 484 | | 139 | 92.7 |
| RTU2-SGRD20 | RESTROOM SOUTH | DOWNBLAST | 6" | 50 | 1 | 35 | | 53 | 106.0 |
| RTU2-SGRD21 | RESTROOM NORTH | DOWNBLAST | 6" | 50 | 1 | 95 | | 51 | 102.0 |
| RTU2-SGRD22 | SOUTH WEST | DOWNBLAST | 14" | 275 | | 463 | | 249 | 90.5 |
| RTU2-SGRD23 | SOUTH WEST | DOWNBLAST | 12" | 275 | | 523 | | 267 | 97.1 |
| RTU2-SGRD24 | SOUTH WEST | DOWNBLAST | 10" | 275 | | 536 | | 256 | 93.1 |
| Total | | | | 6000 | | 8680 | 5892 | 6051 | 100.85% |

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Project: SKECHERS (DAYTON, OH)

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOM SOUTH

| Unit Data | | |
|------------------|-----------|-----------|
| | Design | Actual |
| MFG | GREENHECK | GREENHECK |
| Model Num | SP-B150 | SP-B150 |

| Test Data | | |
|------------|--------|--------|
| | Design | Actual |
| CFM | 100 | 101 |

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Project: SKECHERS (DAYTON, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/RESTROOM SOUTH

| Asset | | | | | | | | |
|------------|---------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| EF1-EGRD1 | UPBLAST | 6" | 100 | 1 | 101 | 101 | 101 | 101.0 |
| Total | | | 100 | | 101 | 101 | 101 | 101% |

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Project: SKECHERS (DAYTON, OH)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:RESTROOM NORTH

| Unit Data | | |
|------------------|-----------|-----------|
| | Design | Actual |
| MFG | GREENHECK | GREENHECK |
| Model Num | SP-B150 | SP-B150 |

| Test Data | | |
|------------|--------|--------|
| | Design | Actual |
| CFM | 100 | 91 |

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Project: SKECHERS (DAYTON, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/RESTROOM NORTH

| Asset | | | | | | | | |
|------------|---------|------|------------|-----|--------|--------|-----------|-------------|
| Asset Name | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| EF2-EGRD1 | UPBLAST | 6" | 100 | 1.0 | 91 | 91 | 91 | 91.0 |
| Total | | | 100 | | 91 | 91 | 91 | 91% |