

**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

# National TAB

Project: SKECHERS (DAYTON, OH)

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# National TAB

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

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

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

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

Completed By: Chase Wright on 04/09/2025

Notes:

OA Design found at bottom of MSET

Written By: Chase Wright on 04/09/2025

# National TAB

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

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

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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Notes:  
OA Design found at bottom of MSET

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# National TAB

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%

**National TAB**  
 Project: SKECHERS (DAYTON, OH)  
 System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOM SOUTH

Unit Data		
	Design	Actual
<b>MFG</b>	GREENHECK	GREENHECK
<b>Model Num</b>	SP-B150	SP-B150
<b>Serial Num</b>	-	NA

Test Data		
	Design	Actual
<b>CFM</b>	100	101

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	NA
<b>Horsepower</b>	-	NA
<b>Motor Rpm</b>	-	NA
<b>Phase</b>	1	NA
<b>Voltage (rated)</b>	115	NA
<b>Amperage (rated)</b>	-	NA

Completed By: Aaron Cosby on 04/09/2025

Notes:  
 ABOVE HARD CEILING WITH NON-REMOVABLE DIFFUSER COVER

Written By: Chase Wright on 04/09/2025

# National TAB

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%

# National TAB

Project: SKECHERS (DAYTON, OH)

## System/Unit: FAN - Exhaust



Asset: EF2

AREA:RESTROOM NORTH

Unit Data		
	Design	Actual
<b>MFG</b>	GREENHECK	GREENHECK
<b>Model Num</b>	SP-B150	SP-B150
<b>Serial Num</b>	-	NA

Test Data		
	Design	Actual
<b>CFM</b>	100	78

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	NA
<b>Horsepower</b>	-	NA
<b>Motor Rpm</b>	-	NA
<b>Phase</b>	1	NA
<b>Voltage (rated)</b>	115	NA
<b>Amperage (rated)</b>	-	NA

Completed By: Aaron Cosby on 04/09/2025

Notes:  
ABOVE HARD CEILING WITH NON-REMOVABLE DIFFUSER COVER

Written By: Chase Wright on 04/09/2025

# National TAB

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%