

Report By:

National TAB



Report: RTU-8 Check-In

Function: Test, Adjust, & Balance

Date: 07/22/2025

Completed By: National TAB

PROJECT

Sierra Trading Post 0168 (Evansville, IN)

6601 E. Lloyd Expy

Evansville, IN 47715

Client

Greater Comfort Heating & Air Conditioning

2001 Monmouth St

Newport, KY 41071

National TAB

Project: Sierra Trading Post 0168 (Evansville, IN)

Table Of Contents

Section	Page #
AHU/RTU	3



National TAB

Project: Sierra Trading Post 0168 (Evansville, IN)

System/Unit: AHU/RTU

Asset: RTU-8

AREA:PROCESSING

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	N2N3023479
Model Num	NA	ZJ150N24R4D5HCA1R2
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.75"x20.5"
Num PreFilter 1	-	4
PreFilter Size 1	-	24"X20"

Test Data		
	Design	Actual
SF CFM	5000	
SF RPM	1463	
RA CFM	4300	
OA CFM	700	
RL Voltage	460	
RL Amperage	6.6	
OA Damper Position	-	
Brake Horse Power	4.75	

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	184T
Horsepower	5.00	5.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	460	460
Rated Amperage	6.6	6.6
Service Factor	-	1.15

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.60	
Fan Total SP	1.42	
Cooling Coil P.D.	-	

Drive Data	
	Actual
Motor Sheave Size	WE24
Motor Bore Size	1"
Motor Sheave SetPt	
Fan Sheave Size	8"
Fan Sheave Bore	1"
Belt CL Distance	20"
Num of Belts	1
Belt Size	BX56



National TAB

Project: Sierra Trading Post 0168 (Evansville, IN)

AHU/RTU

Diffuser Supply (GRD)

RTU-8/PROCESSING

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	PROCESSING	SR-2	14X8	400	651		-
SGRD2	PROCESSING	SR-2	14X8	500	580		-
SGRD3	PROCESSING	SR-2	14X8	500	615		-
SGRD4	PROCESSING	SR-2	14X8	300	437		-
SGRD5	PROCESSING	SR-2	14X8	500	510		-
SGRD6	PROCESSING	SR-2	14X8	400	611		-
SGRD7	PROCESSING	SR-2	14X8	250	557		-
SGRD8	PROCESSING	SR-2	14X8	250	424		-
SGRD9	PROCESSING	SR-2	14X8	400	722		-
SGRD10	PROCESSING	SR-2	14X8	400	445		-
SGRD11	PROCESSING	SR-2	14X8	250	554		-
SGRD12	PROCESSING	SR-2	14X8	400	747		-
SGRD13	PROCESSING	SR-2	14X8	450	642		-
Total				5000	7495	0	0%

Diffuser Ret/Exh (GRD)

RTU-8/PROCESSING

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
EGRD1	PROCESSING	R-2	36X18	2150				-
EGRD2	PROCESSING	R-2	36X18	2150				-
Total				4300		0	0	0%