

Report By:

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



Report: RecCTRRTU-Eval
Function: Test, Adjust, & Balance
Date: 11/05/2025
Completed By: National TAB

PROJECT

Blue Ash Rec AHU1 EVAL (Blue Ash, OH)

4433 Cooper Road

Blue Ash, OH

Client

Triton Services, Inc.
8162 Duke Boulevard
Mason, OH 45040

National TAB

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National TAB

Project: Blue Ash Rec AHU1 EVAL (Blue Ash, OH)

System/Unit: AHU/RTU



Asset: AHU1

AREA:1ST FLR-AREA B

Unit Data		
	Design	Actual
MFG	Carrier	Carrier
Model Num	39MW Size 40W	39MW Size 40W [2]
Configuration	-	HORIZONTAL

Motor Data		
	Design	Actual
Frame	-	284T [2]
Horsepower	-	25 [2]
Motor Rpm	-	1800 [2]
Phase	-	3 [2]
Rated Voltage	-	208-230/460 [2]
Rated Amperage	-	31 [2]

Test Data		
	Design	Actual
SF CFM	-	19840
SF RPM	-	1509 motor [1]
RA CFM	-	16576
OA CFM	-	3264
RL Voltage	-	450 ave [1]
RL Amperage	-	28.0 [1]
Brake Horse Power	-	20.7 [1]

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.30"
Fan Suction SP	-	-1.37"
Fan Discharge SP	-	0.98"
Total ESP	-	1.28"
Fan Total SP	-	2.35"
Cooling Coil P.D.	-	1.07"*

Completed By: Gabe Merk on 11/05/2025

Notes:

[1] DATA TAKEN FROM VFD OUTPUT

[2] FROM SUBMITTAL DATA ONLY

VFD READ AT 51 HZ 28 AMPS 10/28

*prefilter and cooling coil PD combined

Traverses at 48HZ :

50"x24"= 6893 cfm

30"x22"= 6140 cfm

42"x18"= 5640 cfm

Written By: Gabe Merk on 11/05/2025