



National TAB

Project: Bethany ES (Clover, SC)

System/Unit: AHU/RTU

Asset: RTU-36

AREA:400

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	232012038L
Model Num	NA	4WCC4024E1
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	11X9
Num PreFilter 1	-	2
PreFilter Size 1	-	18X25X2

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	0.33	0.50
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	208	208
Rated Amperage	2.8	3.9
Service Factor	-	1.0

Test Data		
	Design	Actual
SF CFM	798	814
RA CFM	698	-
OA CFM	100	-
RL Voltage	208	212
RL Amperage	2.8	1.6
OA Damper Position	-	[2]
Brake Horse Power	-	2.22

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.268"
Fan Suction SP	-	-0.458"
Fan Discharge SP	-	0.21"
Total ESP	0.40	0.478"
Fan Total SP	-	0.668"

Notes:

[1] FILTER WAS PULLED FOR BALANCE

[2] OA IS NOT WIRED UNABLE TO SET OA DAMPER.

Written By: Dale Wheeler on 02/22/2024



National TAB

Project: Bethany ES (Clover, SC)

AHU/RTU

Diffuser Supply (GRD)

RTU-36/400

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
36-1	401	B	10	266	191	255	95.9
36-2	400	B	10	266	198	283	106.4
36-3	402	B	10	266	242	276	103.8
Total				798	631	814	102.01%



National TAB

Project: Bethany ES (Clover, SC)

System/Unit: AHU/RTU

Asset: RTU-39

AREA:KITCHEN 106C

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	
Model Num	NA	WSC120H
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num PreFilter 1	-	4
PreFilter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.75	
Motor Rpm	-	1013
Phase	3	
Rated Voltage	460	
Rated Amperage	3.6	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	3200	
RA CFM	2500	
OA CFM	500	
RL Voltage	460	
RL Amperage	3.6	
OA Damper Position	-	
Brake Horse Power	0.62	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.1	
Fan Total SP	-	



National TAB

Project: Bethany ES (Clover, SC)

AHU/RTU

Diffuser Supply (GRD)

RTU-39/KITCHEN 106C

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU-39-SGRD1	106G	G	10	400					-
RTU-39-SGRD2	106H	A	8	200					-
RTU-39-SGRD3	106C	G	12	550					-
RTU-39-SGRD4	106C	G	12	550					-
RTU-39-SGRD5	106C	G	12	550					-
RTU-39-SGRD6	106C	G	12	550					-
RTU-39-SGRD7	106C	G	12	550					-
RTU-39-SGRD8	106C	G	12	550					-
RTU-39-SGRD9	106D	A	6	100					-
Total				4000		0	0	0	0%