

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 11/07/2024
Completed By: National TAB

PROJECT
Daybreak Market Wesley Chapel, FL

3182 Hueland Pond Blvd

Wesley Chapel, FL 33543

Client

SMT Mechanical

National TAB

Project: Daybreak Market Wesley Chapel, FL

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National TAB

Project: Daybreak Market Wesley Chapel, FL
System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	CAPTIVEAIRE
Serial Num	-	6547192
Model Num	50HC**17	CAS-HVAC3-E.604-24-15T
Type	RTU	DOAS
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16x25x2
Num Final Filter 1	-	8
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	TECO WESTINGHOUSE
Frame	-	213T
Horsepower	-	7.5
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	480	230/460
Rated Amperage	-	19.1/9.55

Drive Data	
	Actual
Motor Sheave Size	DD
Motor Bore Size	DD
Motor Sheave SetPt	DD
Fan Sheave Size	DD
Fan Sheave Bore	DD
Belt CL Distance	DD
Num of Belts	DD
Belt Size	DD
Belt Alignment	DD

Test Data		
	Design	Actual
SF CFM	6000	5353
SF RPM	-	1667
RA CFM	5200	4536
OA CFM	800	817
RL Voltage	-	485 VFD
RL Amperage	-	9.2 VFD
SF Rotation	-	CCW
SF System SetPt	-	57 HZ
RA Damper Position	-	5.6 V
Min OA Damper Position	-	4.1 V
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.66"
Fan Suction SP	-	-1.30"
Fan Discharge SP	-	0.85"
Total ESP	0.80"	1.51"
Fan Total SP	-	2.15"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Mark Johnson on 11/06/2024

Notes:

Actual OA CFM is likely lower due to wind effects on velgrid reading. Net airflow verified via building pressure.

Written By: Mark Johnson on 11/06/2024



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Project: Daybreak Market Wesley Chapel, FL

AHU/RTU



Diffuser Supply (GRD)

RTU1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SALES	SD1	10"	250	1	307	350	296	118.4
SGRD2	SALES	SD1	10"	300	1	281	320	326	108.7
SGRD3	SALES	SD1	10"	300	1	193	220	266	88.7
SGRD4	SALES	SD1	10"	350	1	237	270	269	76.9
SGRD5	SALES	SD1	10"	350	1	268	306	368	105.1
SGRD6	SALES	SD1	10"	300	1	226	258	306	102.0
SGRD7	SALES	SD1	10"	300	1	210	239	253	84.3
SGRD8	SALES	SD1	10"	250	1	161	184	210	84.0
SGRD9	SALES	SD1	10"	250	1	94	107	196	78.4
SGRD10	SALES	SD1	10"	250	1	340	388	313	125.2
SGRD11	SALES	SD1	10"	250	1	429	489	259	103.6
SGRD12	SALES	SD1	10"	250	1	324	369	267	106.8
SGRD13	SALES	SD1	10"	250	1	293	334	267	106.8
SGRD14	COUNTER	SD2	10"	350	1	122	139	178	50.9
SGRD15	OFFICE	SD2	6"	100	1	76	87	78	78.0
SGRD16	OFFICE	SD2	10"	100	1	109	124	104	104.0
SGRD17	SUPPORT	SD2	10"	275	1	167	190	212	77.1
SGRD18	SUPPORT	SD2	10"	275	1	156	178	192	69.8
SGRD19	SUPPORT	SD2	10"	225	1	145	165	181	80.4
SGRD20	SUPPORT	SD2	10"	225	1	139	158	180	80.0
SGRD21	HALL	SD2	8"	200	1	64	73	97	48.5
SGRD22	HALL	SD2	8"	150	1	121	138	161	107.3
SGRD23	WOMEN RR	SD3	6"	100	1	52	59	62	62.0
SGRD24	JANITOR	SD3	8"	200	1	99	113	170	85.0
SGRD25	MEN RR	SD3	8"	150	1	122	139	142	94.7
Total				6000		4735	5397	5353	89.22%



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Project: Daybreak Market Wesley Chapel, FL

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	G-090-VG	G-090-VG-1-17-X
Serial Num	-	24462777
Type	-	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	1/10
Motor Rpm	-	300-1750
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.38
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	450	444
Fan RPM	1542	1052
Fan Rotation	-	CW
Motor RPM	-	1052
System SetPt	-	5.0 POTENTIOMETER
RL Voltage	-	121
RL Amperage	-	0.3
Total ESP	0.50"	0.04"
Fan Inlet SP	-	-0.04"
Fan Discharge SP	-	ATM

Completed By: Mark Johnson on 11/06/2024



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FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MEN RR	EG1	6"	75	1	87	75	75	100.0
EGRD2	MEN RR	EG1	8"	150	1	274	98	146	97.3
EGRD3	JANITOR	EG1	6"	75	1	125	217	76	101.3
EGRD4	WOMEN RR	EG1	6"	75	1	93	67	73	97.3
EGRD5	WOMEN RR	EG1	6"	75	1	81	75	74	98.7
Total				450		660	532	444	98.67%