

Report By:

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

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TAB

Comfort. Under control.

Report: PRE

Function: Test, Adjust, & Balance

Date: 01/10/2023

PROJECT

CW 9000 - At Home (Coppell, TX)

3050 SAINTSBURY STREET

COPPELL, TX 75019

Client

Venture Mechanical Inc
1644 W Crosby Rd

Carrollton, TX 75006

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Project: CW 9000 - At Home (Coppell, TX)

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Project: CW 9000 - At Home (Coppell, TX)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: DOAS-1

AREA:FCU-2-3-6

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	
Model Num	NA	OAND648E4-D1C400LN-D3P00AC0002000B0B0A0
Configuration	VERTICAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	10000	
SF RPM	1968	
RA CFM	0	
OA CFM	10000	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	6.29	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	5.0
Motor Rpm	-	1968
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.75"	
Fan Total SP	2.53"	
Pre-Filter P.D.	-	
Final Filters P.D.	0.25"	
Cooling Coil P.D.	0.39"	
PreHeat Coil P.D.	-	
Heating Coil P.D.	0.05"	
Hot Gas Reheat P.D.	0.07"	

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Project: CW 9000 - At Home (Coppell, TX)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

DOAS-1/FCU-2-3-6

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
DS1-1-1		DUCT		65			-
DS1-1-2		DUCT		65			-
DS1-1-3		DUCT		75			-
DS1-1-4		DUCT		125			-
DS1-1-5		DUCT		75			-
DS1-1-6		DUCT		165			-
DS1-1-7		DUCT		70			-
DS1-1-8		DUCT		35			-
DS1-1-9		DUCT		65			-
DS1-1-10		DUCT		215			-
DS1-1-11		DUCT		75			-
DS1-1-12		DUCT		25			-
DS1-1-13		DUCT		35			-
DS1-1-14		DUCT		105			-
DS1-1-15		DUCT		215			-
DS1-1-16		DUCT		30			-
DS1-1-17		DUCT		110			-
DS1-1-18		DUCT		100			-
DS1-1-19		DUCT		255			-
DS1-1-20		DUCT		120			-
DS1-1-21		DUCT		30			-
DS1-1-22		DUCT		90			-
DS1-1-23		DUCT		35			-
DS1-1-24		DUCT		60			-
DS1-1-25		DUCT		180			-
DS1-1-26		DUCT		80			-
DS1-1-27		DUCT		155			-
DS1-1-28		DUCT		290			-
DS1-1-29		DUCT		250			-
DS1-1-30		DUCT		155			-
DS1-1-31		DUCT		225			-
DS1-1-32		DUCT		30			-
DS1-1-33		DUCT		60			-
DS1-1-34		DUCT		55			-
DS1-1-35		DUCT		30			-
DS1-1-36		DUCT		35			-
DS1-1-37		DUCT		30			-
DS1-1-38		DUCT		95			-
DS1-1-39		DUCT		170			-
DS1-1-40		DUCT		70			-
DS1-1-41		DUCT		165			-
DS1-1-42		DUCT		30			-
DS1-1-43		DUCT		30			-
DS1-1-44		DUCT		115			-
DS1-1-45		DUCT		85			-
DS1-1-46		DUCT		85			-
DS1-1-47		DUCT		60			-
DS1-2-1		DUCT		75			-
DS1-2-2		DUCT		50			-
DS1-2-3		DUCT		120			-
DS1-2-4		DUCT		100			-
DS1-2-5		DUCT		30			-
DS1-2-6		DUCT		130			-
DS1-2-7		DUCT		105			-
DS1-2-8		DUCT		315			-
DS1-2-9		DUCT		110			-
DS1-2-10		DUCT		60			-
DS1-2-11		DUCT		35			-
DS1-2-12		DUCT		160			-
DS1-2-13		DUCT		40			-
DS1-2-14		DUCT		70			-
DS1-2-15		DUCT		105			-
DS1-2-16		DUCT		160			-
DS1-2-17		DUCT		45			-
DS1-2-18		DUCT		130			-

DS1-2-19		DUCT		70			-
DS1-2-20		DUCT		90			-
DS1-2-21		DUCT		100			-
DS1-2-22		DUCT		35			-
DS1-2-23		DUCT		45			-
DS1-2-24		DUCT		55			-
DS1-2-25		DUCT		50			-
DS1-2-26		DUCT		60			-
DS1-2-27		DUCT		85			-
DS1-2-28		DUCT		50			-
DS1-2-29		DUCT		75			-
DS1-2-30		DUCT		385			-
DS1-2-31		DUCT		30			-
DS1-2-32		DUCT		75			-
DS1-2-33		DUCT		40			-
DS1-2-34		DUCT		120			-
DS1-2-35		DUCT		50			-
DS1-2-36		DUCT		100			-
DS1-2-37		DUCT		65			-
DS1-2-38		DUCT		145			-
DS1-2-39		DUCT		245			-
DS1-2-40		DUCT		50			-
DS1-2-41		DUCT		30			-
DS1-2-42		DUCT		40			-
DS1-2-43		DUCT		145			-
DS1-2-44		DUCT		35			-
DS1-2-45		DUCT		100			-

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Project: CW 9000 - At Home (Coppell, TX)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: DOAS-2

AREA:FCU-4-4-3

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	
Model Num	NA	OAND648E4-D1C400LN-D3P00AC0002000B0B0A0
Configuration	VERTICAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	10000	
SF RPM	1968	
RA CFM	0	
OA CFM	10000	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	6.29	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	5.0
Motor Rpm	-	1968
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.75"	
Fan Total SP	2.53"	
Pre-Filter P.D.	-	
Final Filters P.D.	0.25"	
Cooling Coil P.D.	0.39"	
PreHeat Coil P.D.	-	
Heating Coil P.D.	0.05"	
Hot Gas Reheat P.D.	0.07"	

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Project: CW 9000 - At Home (Coppell, TX)

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

DOAS-2/FCU-4-4-3

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
DS2-3-1		DUCT					
DS2-3-2		DUCT					
DS2-4-1		DUCT		85			-
DS2-4-2		DUCT		25			-
DS2-4-3		DUCT		15			-
DS2-4-4		DUCT		95			-
DS2-4-5		DUCT		75			-
DS2-4-6		DUCT		45			-
DS2-4-7		DUCT		40			-
DS2-4-8		DUCT		30			-
DS2-4-9		DUCT		90			-
DS2-4-10		DUCT		70			-
DS2-4-11		DUCT		50			-
DS2-4-12		DUCT		155			-
DS2-4-13		DUCT		145			-
DS2-4-14		DUCT		105			-
DS2-4-15		DUCT		80			-
DS2-4-16		DUCT		30			-
DS2-4-17		DUCT		45			-
DS2-4-18		DUCT		65			-
DS2-4-19		DUCT		65			-
DS2-4-20		DUCT		85			-
DS2-4-21		DUCT		23			-
DS2-4-22		DUCT		50			-
DS2-4-23		DUCT		45			-
DS2-4-24		DUCT		75			-
DS2-4-25		DUCT		55			-
DS2-4-26		DUCT		60			-
DS2-4-27		DUCT		70			-
DS2-4-28		DUCT		30			-
DS2-4-29		DUCT		45			-
DS2-4-30		DUCT		65			-
DS2-4-31		DUCT		40			-
DS2-4-32		DUCT		70			-
DS2-4-33		DUCT		115			-
DS2-4-34		DUCT		30			-
DS2-4-35		DUCT		15			-
DS2-4-36		DUCT		175			-
DS2-4-37		DUCT		65			-
DS2-4-38		DUCT		45			-
DS2-4-39		DUCT		45			-
DS2-4-40		DUCT		65			-
DS2-4-41		DUCT		40			-
DS2-4-42		DUCT		75			-
DS2-4-43		DUCT		45			-
DS2-4-44		DUCT		40			-
DS2-4-45		DUCT		85			-
DS2-4-46		DUCT		45			-
DS2-4-47		DUCT		45			-
DS2-4-48		DUCT		30			-
DS2-4-49		DUCT		35			-
DS2-4-50		DUCT		60			-
DS2-4-51		DUCT		45			-
DS2-4-52		DUCT		205			-
DS2-4-53		DUCT		100			-
DS2-4-54		DUCT		30			-
DS2-4-55		DUCT		100			-
DS2-4-56		DUCT		120			-
DS2-4-57		DUCT		120			-
DS2-4-58		DUCT		75			-
DS2-4-59		DUCT		65			-
DS2-4-60		DUCT		55			-
DS2-4-61		DUCT		40			-
DS2-4-62		DUCT		95			-
DS2-4-63		DUCT		25			-

DS2-4-64		DUCT		35			-
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Project: CW 9000 - At Home (Coppell, TX)
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-1

AREA:451

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	GB-220-20
Serial Num	-	
Type	-	CRE

Test Data		
	Design	Actual
CFM	5200	
Fan RPM	907	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.0"	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.0	
Motor Rpm	1725	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	
Service Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

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Project: CW 9000 - At Home (Coppell, TX)

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-1/451

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E1-1-1	H	8"	85					-
E1-1-2	H	8"	85					-
E1-2-1	H	8"	85					-
E1-2-2	H	8"	85					-
E1-3-1	H	8"	85					-
E1-3-2	H	8"	85					-
E1-4-1	H	8"	85					-
E1-4-2	H	8"	85					-

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