



Comfort. Under control.

National TAB

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

System/Unit: AHU/RTU

Asset: DOAS-1

AREA:FCU-2-6

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	OA325976-1-1
Model Num	OAN	OAND648E4
Configuration	-	VERTICAL
Num PreFilter 1	-	9
PreFilter Size 1	-	20X24X2

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR X 2
Frame	-	184T X 2
Horsepower	-	5 X 2
Motor Rpm	-	1750 X 2
Phase	3	3 X 2
Rated Voltage	460	460 X 2
Rated Amperage	6.6	6.6 X 2
Service Factor	-	1.15 X 2

Test Data		
	Design	Actual
SF CFM	10000 (9215)	8968
SF RPM	1968	1453
OA CFM	10000 (9215)	8249
RL Voltage	460	356 VFD
RL Amperage	13.2	7.00 VFD
SF Motor Freq(HZ)	-	48.4
Brake Horse Power	6.29	5.30

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.46
Fan Discharge SP	-	0.70
Total ESP	1.75	0.82
Fan Total SP	-	1.16
Pre-Filter P.D.	0.25	0.9
Cooling Coil P.D.	0.39	0.05
Hot Gas Reheat P.D.	0.07	-0.01

Completed By: Chance Russel

Notes:



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

AHU/RTU

Diffuser Supply (GRD)

DOAS-1/FCU-2-6

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
DS1-1	FCU-1-4	DUCT	6	60	0	0	0.0
DS1-1	FCU-1-5	DUCT	6	10	0	0	0.0
DS1-2	FCU-1-3	DUCT	6	70	0	0	0.0
DS1-3	FCU-2-3	DUCT	6	70	0	0	0.0
DS1-4	FCU-2-5	DUCT	6	25	0	0	0.0
DS1-5	FCU-2-4	DUCT	6	250	0	0	0.0
DS1-6	FCU-2-6	DUCT	6	40	0	0	0.0
DS1-1-1	FCU-1-2-10	DUCT		65		63	96.9
DS1-1-2	FCU-1-1-13	DUCT		65		69	106.2
DS1-1-3	FCU-1-2-6	DUCT		75		70	93.3
DS1-1-4	FCU-1-2-11	DUCT		125		128	102.4
DS1-1-5	FCU-1-2-7	DUCT		75		74	98.7
DS1-1-6	FCU-1-2-8	DUCT		165		168	101.8
DS1-1-6	FCU-1-2-9	DUCT		70		72	102.9
DS1-1-7	FCU-1-2-2	DUCT		35		37	105.7
DS1-1-8	FCU-1-2-1	DUCT		65		66	101.5
DS1-1-10	FCU-1-1-14	DUCT		215		188	87.4
DS1-1-11	FCU-1-1-3	DUCT		75		76	101.3
DS1-1-12	FCU-1-1-11	DUCT		25		23	92.0
DS1-1-13	FCU-1-1-10	DUCT		35		29	82.9
DS1-1-14	FCU-1-1-2	DUCT		105		116	110.5
DS1-1-15	FCU-1-1-15	DUCT		215		195	90.7
DS1-1-16	FCU-1-1-8	DUCT		30		32	106.7
DS1-1-17	FCU-1-1-1	DUCT		110		107	97.3
DS1-1-18	FCU-1-2-3	DUCT		100		107	107.0
DS1-1-19	FCU-1-1-7	DUCT		255		258	101.2
DS1-1-20	FCU-1-1-4	DUCT		120		118	98.3
DS1-1-21	FCU-1-1-12	DUCT		30		30	100.0
DS1-1-22	FCU-1-1-5	DUCT		90		81	90.0
DS1-1-23	FCU-1-1-9	DUCT		35		38	108.6
DS1-1-24	FCU-1-1-6	DUCT		60		63	105.0
DS1-1-25	FCU-1-2-5	DUCT		180		163	90.6
DS1-1-26	FCU-1-2-4	DUCT		80		80	100.0
DS1-1-27	FCU-1-2-12	DUCT		155		150	96.8
DS1-1-28	FCU-1-3-20	DUCT		290		191	65.9
DS1-1-29	FCU-1-3-19	DUCT		250		270	108.0
DS1-1-30	FCU-1-3-16	DUCT		155		130	83.9
DS1-1-31	FCU-1-3-1	DUCT		225		188	83.6
DS1-1-32	FCU-1-3-14	DUCT		30		24	80.0
DS1-1-33	FCU-1-3-2	DUCT		60		56	93.3
DS1-1-34	FCU-1-3-3	DUCT		55		57	103.6
DS1-1-35	FCU-1-3-18	DUCT		30		30	100.0
DS1-1-36	FCU-1-3-17	DUCT		35		38	108.6
DS1-1-37	FCU-1-3-15	DUCT		30		30	100.0
DS1-1-38	FCU-1-3-4	DUCT		95		85	89.5
DS1-1-39	FCU-1-3-9	DUCT		170		174	102.4
DS1-1-40	FCU-1-3-8	DUCT		70		76	108.6
DS1-1-41	FCU-1-3-10	DUCT		165		161	97.6
DS1-1-42	FCU-1-3-11	DUCT		30		29	96.7
DS1-1-43	FCU-1-3-12	DUCT		30		33	110.0
DS1-1-44	FCU-1-3-7	DUCT		115		105	91.3
DS1-1-45	FCU-1-3-13	DUCT		85		75	88.2
DS1-1-46	FCU-1-3-5	DUCT		85		85	100.0
DS1-1-47	FCU-1-3-6	DUCT		60		55	91.7
DS1-2-1	FCU-2-1-10	DUCT		75		69	92.0
DS1-2-2	FCU-2-2-8	DUCT		45		42	93.3
DS1-2-3	FCU-2-1-2	DUCT		225		216	96.0
DS1-2-4	FCU-2-1-11	DUCT		285		125	43.9
DS1-2-5	FCU-2-1-1	DUCT		30		29	96.7
DS1-2-6	FCU-2-1-7	DUCT		130		123	94.6
DS1-2-6	FCU-2-2-1	DUCT		105		110	104.8
DS1-2-7	FCU-2-2-9	DUCT		315		202	64.1
DS1-2-8	FCU-2-2-2	DUCT		110		113	102.7
DS1-2-10	FCU-2-2-12	DUCT		60		50	83.3
DS1-2-11	FCU-2-3-14	DUCT		35		32	91.4

DS1-2-12	FCU-2-3-17	DUCT		160		120	75.0
DS1-2-13	FCU-2-3-15	DUCT		40		38	95.0
DS1-2-14	FCU-2-3-16	DUCT		70		59	84.3
DS1-2-15	FCU-2-3-1	DUCT		105		111	105.7
DS1-2-16	FCU-2-3-19	DUCT		160		130	81.3
DS1-2-17	FCU-2-3-18	DUCT		45		49	108.9
DS1-2-18	FCU-2-3-2	DUCT		130		102	78.5
DS1-2-19	FCU-2-3-20	DUCT		70		62	88.6
DS1-2-20	FCU-2-3-3	DUCT		90		85	94.4
DS1-2-21	FCU-2-3-5	DUCT		100		105	105.0
DS1-2-22	FCU-2-3-4	DUCT		35		32	91.4
DS1-2-23	FCU-2-2-10	DUCT		45		45	100.0
DS1-2-24	FCU-2-2-11	DUCT		55		47	85.5
DS1-2-25	FCU-2-2-7	DUCT		50		51	102.0
DS1-2-26	FCU-2-1-9	DUCT		60		58	96.7
DS1-2-27	FCU-2-1-3	DUCT		85		79	92.9
DS1-2-28	FCU-2-1-13	DUCT		50		55	110.0
DS1-2-29	FCU-2-1-4	DUCT		75		75	100.0
DS1-2-30	FCU-2-1-12	DUCT		385		258	67.0
DS1-2-31	FCU-2-1-8	DUCT		30		32	106.7
DS1-2-32	FCU-2-1-5	DUCT		75		62	82.7
DS1-2-33	FCU-2-1-6	DUCT		40		37	92.5
DS1-2-34	FCU-2-2-3	DUCT		120		118	98.3
DS1-2-35	FCU-2-2-4	DUCT		50		50	100.0
DS1-2-36	FCU-2-2-5	DUCT		100		98	98.0
DS1-2-37	FCU-2-2-6	DUCT		65		56	86.2
DS1-2-38	FCU-2-3-8	DUCT		145		107	73.8
DS1-2-39	FCU-2-3-9	DUCT		245		0	0.0
DS1-2-40	FCU-2-3-10	DUCT		50		55	110.0
DS1-2-41	FCU-2-3-11	DUCT		30		31	103.3
DS1-2-42	FCU-2-3-12	DUCT		40		36	90.0
DS1-2-43	FCU-2-3-7	DUCT		145		109	75.2
DS1-2-44	FCU-2-3-13	DUCT		35		33	94.3
DS1-2-45	FCU-2-3-6	DUCT		100		101	101.0

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

System/Unit: AHU/RTU

Asset: DOAS-2

AREA:FCU-4-3

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	OA325976-2-1
Model Num	OAN	OAND648E4
Configuration	-	VERTICAL
Num PreFilter 1	-	9
PreFilter Size 1	-	20X24X2

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR X 2
Frame	-	184T X 2
Horsepower	-	5.0 X 2
Motor Rpm	-	1750 X 2
Phase	-	3 X 2
Rated Voltage	-	460 X 2
Rated Amperage	-	6.6 X 2
Service Factor	-	1.15 X 2

Test Data		
	Design	Actual
SF CFM	10000 (4328)	4363
SF RPM	1968	1216
OA CFM	10000 (4328)	4363
RL Voltage	460	301 VFD
RL Amperage	13.2	5.92 VFD
SF Motor Freq(HZ)	-	41.2
Brake Horse Power	6.29	4.48

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.28
Fan Discharge SP	-	0.55
Total ESP	1.75	0.6
Fan Total SP	2.53	0.83
Pre-Filter P.D.	0.25	0.06
Cooling Coil P.D.	0.39	0.02
Hot Gas Reheat P.D.	0.07	-0.05

Completed By: Chance Russel

Notes:



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

AHU/RTU

Diffuser Supply (GRD)

DOAS-2/FCU-4-3

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
DS2-1	FCU-3-2	DUCT	6	70			-
DS2-2	FCU-4-3	DUCT	6	70			-
DS2-3-1	FCU-3-2-8	DUCT					
DS2-3-2	FCU-3-3-9	DUCT					
DS2-4-1	FCU-4-3-4	DUCT		85		90	105.9
DS2-4-2	FCU-4-3-5	DUCT		25		24	96.0
DS2-4-3	FCU-4-3-7	DUCT		15		11	73.3
DS2-4-4	FCU-4-3-6	DUCT		95		94	98.9
DS2-4-5	FCU-4-2-1	DUCT		75		32	42.7
DS2-4-6	FCU-4-2-10	DUCT		40		41	102.5
DS2-4-6	FCU-4-2-5	DUCT		45		43	95.6
DS2-4-7	FCU-4-2-8	DUCT		30		31	103.3
DS2-4-8	FCU-4-2-6	DUCT		90		89	98.9
DS2-4-10	FCU-4-2-7	DUCT		70		70	100.0
DS2-4-11	FCU-4-2-9	DUCT		50		36	72.0
DS2-4-12	FCU-4-1-11	DUCT		155	35	78	50.3
DS2-4-13	FCU-4-1-13	DUCT		145		135	93.1
DS2-4-14	FCU-4-1-4	DUCT		105		80	76.2
DS2-4-15	FCU-4-1-5	DUCT		80		85	106.3
DS2-4-16	FCU-4-1-12	DUCT		30		28	93.3
DS2-4-17	FCU-4-1-7	DUCT		45		23	51.1
DS2-4-18	FCU-4-1-6	DUCT		65		60	92.3
DS2-4-19	FCU-4-3-8	DUCT		65		66	101.5
DS2-4-20	FCU-4-3-9	DUCT		85		73	85.9
DS2-4-21	FCU-4-4-10	DUCT		23		27	117.4
DS2-4-22	FCU-4-4-9	DUCT		50		42	84.0
DS2-4-23	FCU-4-4-11	DUCT		45		37	82.2
DS2-4-24	FCU-4-4-12	DUCT		75		41	54.7
DS2-4-25	FCU-4-4-8	DUCT		55		57	103.6
DS2-4-26	FCU-4-4-13	DUCT		60		60	100.0
DS2-4-27	FCU-4-4-6	DUCT		70		54	77.1
DS2-4-28	FCU-4-4-7	DUCT		30		33	110.0
DS2-4-29	FCU-4-3-11	DUCT		45		48	106.7
DS2-4-30	FCU-4-3-10	DUCT		65		68	104.6
DS2-4-31	FCU-4-4-15	DUCT		40		44	110.0
DS2-4-32	FCU-4-3-3	DUCT		70		73	104.3
DS2-4-33	FCU-4-3-15	DUCT		115		100	87.0
DS2-4-34	FCU-4-3-2	DUCT		30		31	103.3
DS2-4-35	FCU-4-3-12	DUCT		15		16	106.7
DS2-4-36	FCU-4-3-14	DUCT		175		168	96.0
DS2-4-37	FCU-4-3-17	DUCT		65		69	106.2
DS2-4-38	FCU-4-3-13	DUCT		45		42	93.3
DS2-4-39	FCU-4-2-15	DUCT		45		34	75.6
DS2-4-40	FCU-4-3-1	DUCT		65		62	95.4
DS2-4-41	FCU-4-2-17	DUCT		40		38	95.0
DS2-4-42	FCU-4-2-3	DUCT		75		77	102.7
DS2-4-43	FCU-4-2-14	DUCT		45		44	97.8
DS2-4-44	FCU-4-2-13	DUCT		40		42	105.0
DS2-4-45	FCU-4-2-12	DUCT		85		82	96.5
DS2-4-46	FCU-4-2-2	DUCT		45		48	106.7
DS2-4-47	FCU-4-2-11	DUCT		45		25	55.6
DS2-4-48	FCU-4-2-16	DUCT		30		9	30.0
DS2-4-49	FCU-4-2-1	DUCT		35		32	91.4
DS2-4-50	FCU-4-1-10	DUCT		60		58	96.7
DS2-4-51	FCU-4-1-3	DUCT		45		47	104.4
DS2-4-52	FCU-4-1-9	DUCT		205		211	102.9
DS2-4-53	FCU-4-1-2	DUCT		100		94	94.0
DS2-4-54	FCU-4-1-1	DUCT		30		35	116.7
DS2-4-55	FCU-4-1-8	DUCT		100		97	97.0
DS2-4-56	FCU-4-3-16	DUCT		120		129	107.5
DS2-4-57	FCU-4-4-16	DUCT		120		117	97.5
DS2-4-58	FCU-4-4-1	DUCT		75		76	101.3
DS2-4-59	FCU-4-4-14	DUCT		65		64	98.5
DS2-4-60	FCU-4-4-2	DUCT		55		57	103.6
DS2-4-61	FCU-4-4-17	DUCT		40		37	92.5

DS2-4-62	FCU-4-4-5	DUCT		95		98	103.2
DS2-4-63	FCU-4-4-4	DUCT		25		22	88.0
DS2-4-64	FCU-4-4-3	DUCT		35		37	105.7

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