

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:126 HALL

Unit Data		
	Design	Actual
MFG	EXISTIG	BRYANT
Serial Num	-	4522C04790
Model Num	EXISTIG	582KP06A110A2A0
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	0
OA Filter Size 1	-	N/A
Num PreFilter 1	-	2
PreFilter Size 1	-	16"x25"x2"

Test Data		
	Design	Actual
SF CFM	2000	1868
RA CFM	1700	1556
OA CFM	300	312
RL Voltage	-	212
RL Amperage	-	6.7
OA Damper Position	-	3/4 OPEN MANUAL

Motor Data		
	Design	Actual
Phase	-	1
Rated Voltage	-	208
Rated Amperage	-	8.6

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.26
Fan Suction SP	-	-0.44
Fan Discharge SP	-	0.27
Total ESP	-	0.53
Fan Total SP	-	0.73

Completed By: Nick Payne on 11/16/2023

Notes:

Diffuser 1-3 not installed. Verified no open ductwork. Airflow distributed to other diffusers.

Diffuser 1-6 not installed. Verified no open Ductwork. Airflow portioned to 1-9 to keep room total the same.

Written By: Gabe Merk on 11/14/2023

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/126 HALL

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	104	CD		200	96	184	92.0
1-2	121	CD		200	206	207	103.5
1-3	122	SR		50	0	0	0.0
1-4	123	CD		200	110	196	98.0
1-5	103	CD		200	184	188	94.0
1-6	101	CD		0	0	0	-
1-7	105	CD		200	121	195	97.5
1-8	125	SR		200	191	190	95.0
1-9	101	CD		550	417	498	90.5
1-10	105	CD		200	151	210	105.0
Total				2000	1476	1868	93.4%

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: AHU/RTU



Asset: RTU-2

AREA:113

Unit Data		
	Design	Actual
MFG	EXISTIG	BRYANT
Serial Num	-	4522C04776
Model Num	EXISTIG	582KP06A110A2A0
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	0
OA Filter Size 1	-	N/A
Num PreFilter 1	-	2
PreFilter Size 1	-	16"x25"x2"

Motor Data		
	Design	Actual
Phase	-	1
Rated Voltage	-	208
Rated Amperage	-	8.6

Test Data		
	Design	Actual
SF CFM	2000	1977
RA CFM	1700	1693
OA CFM	300	284
RL Voltage	-	212
RL Amperage	-	5.5
OA Damper Position	-	3/4 OPEN MANUAL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.19
Fan Suction SP	-	-0.41
Fan Discharge SP	-	0.33
Total ESP	-	0.52
Fan Total SP	-	0.74

Completed By: Nick Payne on 11/16/2023

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/113

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1	109	CD		250	111	236	94.4
2-2	120	CD		200	119	212	106.0
2-3	107	CD		200	129	194	97.0
2-4	105	CD		150	128	144	96.0
2-5	105	CD		150	235	155	103.3
2-6	119	CD		200	-20	184	92.0
2-7	128	CD		200	46	186	93.0
2-8	118	CD		200	279	209	104.5
2-9	112	CD		50	40	48	96.0
2-10	117	CD		175	281	168	96.0
2-11	117	CD		175	352	189	108.0
2-12	113	SR		50	51	52	104.0
Total				2000	1751	1977	98.85%

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-1

AREA:122

Unit Data		
	Design	Actual
MFG	NA	BROAN
Model Num	NA	684-D
Type	-	CEILING

Test Data		
	Design	Actual
CFM	70	66

Motor Data		
	Design	Actual
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	0.5

Completed By: Nick Payne on 11/16/2023

Notes:
Single speed unit.

Written By: Gabe Merk on 11/14/2023

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:112

Unit Data		
	Design	Actual
MFG	NA	BROAN
Model Num	NA	684-D
Type	-	CEILING

Test Data		
	Design	Actual
CFM	70	64

Motor Data		
	Design	Actual
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	0.5

Completed By: Nick Payne on 11/16/2023

Notes:
Single speed unit.

Written By: Gabe Merk on 11/14/2023

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA:113

Unit Data		
	Design	Actual
MFG	NA	Cook
Model Num	NA	Gemini 600
Type	CEILING	INLINE

Motor Data		
	Design	Actual
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	1.85

Test Data		
	Design	Actual
CFM	450	442
RL Voltage	-	121
RL Amperage	-	1.36
Total ESP	-	0.25

Completed By: Nick Payne on 11/14/2023

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-3/113

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E3-1	EG-10	10	450	1	442	442	442	98.2
Total			450		442	442	442	98.22%

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-4

AREA:117

Unit Data		
	Design	Actual
MFG	NA	GREASEMASTER
Model Num	NA	GMDU33H
Serial Num	-	6294538
Type	CRE UPBLAST	UPBLAST

Test Data		
	Design	Actual
CFM	450	466
RL Voltage	-	120
RL Amperage	-	2.5
Total ESP	-	0.38

Motor Data		
	Design	Actual
Motor MFG	-	TELCO GREEN
Horsepower	0.33	0.33
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	4.3

Completed By: Nick Payne on 11/16/2023

National TAB

Project: Ohio Dental Implant Center (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-5

AREA:129

Unit Data		
	Design	Actual
MFG	NA	Cook
Model Num	NA	G140
Type	CEILING	CEILING

Test Data		
	Design	Actual
CFM	70	74
RL Voltage	-	121
RL Amperage	-	0.25

Motor Data		
	Design	Actual
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	0.4

Completed By: Nick Payne on 11/14/2023