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PROJECT:	ACES Wintergreen Equipment Replacement
DATE:	August 26, 2025
ADDRESS:	670 Wintergreen Ave
	Hamden, CT



TABB Technician: Keith Reynolds



ACES Wintergreen Equipment Replacement

August 26, 2025

FAN DATA

FAN NUMBER:	PAHU-1	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA09	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	4200	4266
Connected Load	4200	
Return Air	3080	3185
Outside Air	1120	1081
Fan RPM	----	1138
Motor Horsepower	8.0	8.0
Voltage	208-3	208-3
Operating Amperage		4.50
Suction Static Pressure		-.18"
Discharge Static Pressure		.10"
Total Static Pressure	----	.28"
VFD Setpoint		65% SIGNAL
Min. O.A. Position		15% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	8.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	13.5		



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FAN DATA

FAN NUMBER:	PAHU-2	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA09	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	4200	4202
Connected Load	4200	
Return Air	3080	3069
Outside Air	1120	1133
Fan RPM	----	1138
Motor Horsepower	8.0	8.0
Voltage	208-3	208-3
Operating Amperage		4.40
Suction Static Pressure		-.20"
Discharge Static Pressure		.11"
Total Static Pressure	----	.22"
VFD Setpoint		65% SIGNAL
Min. O.A. Position		15% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	8.0	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	13.5		

**FAN DATA**

FAN NUMBER:	RTU-1	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA05A	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	2000	2037
Connected Load	2000	
Return Air	1615	1628
Outside Air	385	409
Fan RPM	----	1663
Motor Horsepower	----	1.3
Voltage	208-3	208-3
Operating Amperage		2.50
Suction Static Pressure		-.12"
Discharge Static Pressure		2.20"
Total Static Pressure	----	2.32"
VFD Setpoint		95% SIGNAL
Min. O.A. Position		15% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.3	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	3.1		



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FAN DATA

FAN NUMBER:	RTU-2	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA03A	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	1000	1013
Connected Load	1000	
Return Air	940	948
Outside Air	60	65
Fan RPM	----	1313
Motor Horsepower	1.30	1.30
Voltage	208-3	208-3
Operating Amperage		1.50
Suction Static Pressure		-.06"
Discharge Static Pressure		1.50"
Total Static Pressure	----	1.56"
VFD Setpoint		75% SIGNAL
Min. O.A. Position		5% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.3	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	3.1		



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FAN DATA

FAN NUMBER:	RTU-3	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA03A	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	1000	1032
Connected Load	1000	
Return Air	940	967
Outside Air	60	65
Fan RPM	----	1313
Motor Horsepower	1.30	1.30
Voltage	208-3	208-3
Operating Amperage		1.60
Suction Static Pressure		-.07"
Discharge Static Pressure		1.40"
Total Static Pressure	----	1.47"
VFD Setpoint		75% SIGNAL
Min. O.A. Position		5% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.3	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	3.1		



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FAN DATA

FAN NUMBER:	RTU-4	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA03A	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	1200	1302
Connected Load	1200	
Return Air	1130	1227
Outside Air	70	75
Fan RPM	----	1488
Motor Horsepower	1.30	1.30
Voltage	208-3	208-3
Operating Amperage		1.90
Suction Static Pressure		-.11"
Discharge Static Pressure		1.35"
Total Static Pressure	----	1.46"
VFD Setpoint		85% SIGNAL
Min. O.A. Position		8% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.3	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	3.1		



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FAN DATA

FAN NUMBER:	RTU-5	MANUFACTURER:	DAIKIN
MODEL NUMBER:	DAHA03A	SERIAL NUMBER:	376052

	DESIGN	ACTUAL
Total CFM	2000	2005
Connected Load	2000	
Return Air	1530	1516
Outside Air	470	489
Fan RPM	----	1663
Motor Horsepower	1.30	1.30
Voltage	208-3	208-3
Operating Amperage		2.60
Suction Static Pressure		-.13"
Discharge Static Pressure		1.90"
Total Static Pressure	----	1.93"
VFD Setpoint		95% SIGNAL
Min. O.A. Position		15% SIGNAL

MOTOR NAME PLATE INFORMATION		DRIVE COMPONENT INFORMATION	
Motor Manufacturer:	DAIKIN	Fan Sheave:	DIRECT DRIVE
Frame:	----	Motor Sheave:	DIRECT DRIVE
Motor Horsepower:	1.3	Belts:	DIRECT DRIVE
Motor RPM:	1750	Sheave Position:	DIRECT DRIVE
Voltage:	208-3		
Full Load Amperage:	3.1		



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AIRFLOW DISTRIBUTION DATA

FAN NUMBER:								
ROOM NUMBER	#	SIZE	A.K.	DESIGN CFM	FIRST TEST	FINAL FPM	FINAL CFM	NOTE
PAHU-1								
TOTAL	1	52X16	5.78	4200	----	738	4266	
O/A	2	52X16	5.78	1120	----	187	1081	
PAHU-2								
TOTAL	1	52X16	5.78	4200	----	727	4202	
O/A	2	52X16	5.78	1120	----	196	1133	
RTU-1								
TOTAL	1	34X16	3.78	2000	----	539	2037	
O/A	2	34X16	3.78	385	----	109	409	
RTU-2								
TOTAL	1	34X16	3.78	1000	----	268	1013	
O/A	2	34X16	3.78	60	----	17	65	
RTU-3								
TOTAL	1	34X16	3.78	1000	----	273	1032	
O/A	2	34X16	3.78	60	----	17	65	
RTU-4								
TOTAL	1	34X16	3.78	1200	----	344	1302	
O/A	2	34X16	3.78	70	----	20	75	
RTU-5								
TOTAL	1	34X16	3.78	2000	----	530	2005	
O/A	2	34X16	3.78	470	----	129	489	
AHU-1								*TO DO
TOTAL	1	----	----	----	----	----	----	
O/A	2	----	----	----	----	----	----	
AHU-2								*TO DO
TOTAL	1	----	----	----	----	----	----	
O/A	2	----	----	----	----	----	----	



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INSTRUMENT CALIBRATION SUMMARY

Instrument Model Number Serial Number	Application	Date of Calibration
Airdata Multimeter ADM-860 M93597	Air Flow & Pressure Measurements	2/26/2025
Hydrodata Multimeter HDM-150 W94014	Water Flow & Pressure Measurements	1/31/2025
Cooper-Atkins SRH-77A 050109023	Temperature & Humidity Testing	4/11/2026

All calibrated devices are NIST traceable.