

Report By:

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



Report: Test2

Function: Test, Adjust, & Balance

Date: 10/26/2023

PROJECT

**10-23-23 LIFE STORAGE #657 WESTLAKE
OH**

1099 Bradley Road

Westlake, OH 44145

Client

Hartland Mechanical Services

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: AHU/RTU



Asset: FUR1

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	Armstrong air
Serial Num	-	1522H26383
Model Num	ML193UH090XE48C	EAC4x48C
Type	FURNACE	Furnance
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	16x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3/4	3/4
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	120	115
Rated Amperage	-	8.4

Test Data		
	Design	Actual
SF CFM	1525	1409
SF RPM	1200	DD
RA CFM	1350	1246
OA CFM	175	163
RL Voltage	-	115
RL Amperage	-	5.4
SF Rotation	-	CCW
Min OA Damper Position	-	Dial 3.5 damper Marked

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.08
Fan Discharge SP	-	0.032
Fan Total SP	-	0.11

General		
	Design	Actual
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Yes
Condensate Drain Installed	-	Yes

National TAB

Project:10-23-23 LIFE STORAGE #657 WESTLAKE OH

AHU/RTU



Diffuser Supply (GRD)

FUR1/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	1ST FLR. SE/SW	S1	6"	100					-
SGRD2	1ST FLR. SE/SW	S1	8'	75					-
SGRD3	1ST FLR. SE/SW	S2	8	150					-
SGRD4	1ST FLR. SE/SW	S1	12	100					-
SGRD5	1ST FLR. SE/SW	S1	12	100					-
SGRD6	1ST FLR. SE/SW	S1	12	100					-
SGRD7	1ST FLR. SE/SW	S1	14	100					-
SGRD8	1ST FLR. SE/SW	S1	14	100					-
SGRD9	1ST FLR. SE/SW	S1	14	100					-
SGRD10	1ST FLR. SE/SW	S1	14	100					-
SGRD11	1ST FLR. SE/SW	S1	14	100					-
SGRD12	1ST FLR. SE/SW	S1	10	100					-
SGRD13	1ST FLR. SE/SW	S1	8	100					-
SGRD14	1ST FLR. SE/SW	S1	8	100					-
SGRD15	1ST FLR. SE/SW	S1	8	100					-
Total				1525		0	0	0	0%

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: AHU/RTU



Asset: FUR2

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	Armstrong air
Serial Num	-	1522H08232
Model Num	ML193UH090XE48C	EAC4X48C
Type	FURNACE	FURNANCE
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	16x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3/4	3/4
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	120	115
Rated Amperage	-	8.4

Test Data		
	Design	Actual
SF CFM	1550	1484
SF RPM	1200	DD
RA CFM	1270	1208
OA CFM	280	276
RL Voltage	-	115
RL Amperage	-	5.1
SF Rotation	-	CCW
Min OA Damper Position	-	5 damper Marked

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.07
Fan Discharge SP	-	0.032
Total ESP	0.40"	
Fan Total SP	-	0.1

General		
	Design	Actual
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Yes
Condensate Drain Installed	-	Yes

National TAB

Project:10-23-23 LIFE STORAGE #657 WESTLAKE OH

AHU/RTU



Diffuser Supply (GRD)

FUR2/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	1ST FLR. NW	S1	6"	75					-
SGRD2	1ST FLR. NW	S1	6"	75					-
SGRD3	1ST FLR. NW	S1	6"	75					-
SGRD4	1ST FLR. NW	S1	6"	75					-
SGRD5	1ST FLR. NW	S1	6"	75					-
SGRD6	1ST FLR. NW	S1	6"	75					-
SGRD7	1ST FLR. NW	S2	8"X6"	125					-
SGRD8	1ST FLR. NW	S1	6"	75					-
SGRD9	1ST FLR. NW	S1	16"	75					-
SGRD10	1ST FLR. NW	S1	6	75					-
SGRD11	1ST FLR. NW	S1	10	75					-
SGRD12	1ST FLR. NW	S1	10	125					-
SGRD13	1ST FLR. NW	S1	10	125					-
SGRD14	1ST FLR. NW	S1	12	75					-
SGRD15	1ST FLR. NW	S1	6	75					-
SGRD16	1ST FLR. NW	S1	10	75					-
SGRD17	1ST FLR. NW	S2	10	125					-
SGRD18	1ST FLR. NW	S2	10	125					-
Total				1600		0	0	0	0%

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Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: AHU/RTU



Asset: FUR3

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	Armstrong air
Serial Num	-	1522H26387
Model Num	ML193UH090XE48C	EaC4X48C
Type	FURNACE	FURNANCE
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	16x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3/4	3/4
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	120	115
Rated Amperage	-	8.4

Test Data		
	Design	Actual
SF CFM	1550	1455
SF RPM	1200	DD
RA CFM	1360	1261
OA CFM	190	194
RL Voltage	-	115
RL Amperage	-	5.6
SF Rotation	-	CCW
Min OA Damper Position	-	4 damper Marked

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.07
Fan Discharge SP	-	0.035
Total ESP	0.4"	
Fan Total SP	-	0.1

General		
	Design	Actual
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Yes
Condensate Drain Installed	-	Yes

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Project:10-23-23 LIFE STORAGE #657 WESTLAKE OH

AHU/RTU



Diffuser Supply (GRD)

FUR3/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	1ST FLR. NE	S2	NA	150					-
SGRD2	1ST FLR. NE	S2	NA	175					-
SGRD3	1ST FLR. NE	S1	NA	100					-
SGRD4	1ST FLR. NE	S1	NA	75					-
SGRD5	1ST FLR. NE	S1	NA	100					-
SGRD6	1ST FLR. NE	S1	NA	75					-
SGRD7	1ST FLR. NE	S1	NA	100					-
SGRD8	1ST FLR. NE	S1	NA	100					-
SGRD9	1ST FLR. NE	S1	9"	125					-
SGRD10	1ST FLR. NE	S1	9"	125					-
SGRD11	1ST FLR. NE	S1	6"	75					-
SGRD12	1ST FLR. NE	S1	6"	75					-
SGRD13	1ST FLR. NE	S1	8"	100					-
SGRD14	1ST FLR. NE	S1	8"	100					-
Total				1475		0	0	0	0%

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Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: AHU/RTU



Asset: FUR4

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	Armstrong air
Serial Num	-	1522C51314
Model Num	ML193UH090XE48C	EAC4x48C
Type	FURNACE	FURNANCE
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	16x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3/4	3/4
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	120	115
Rated Amperage	-	8.4

Test Data		
	Design	Actual
SF CFM	1550	1399
SF RPM	1200	1050
RA CFM	1375	1216
OA CFM	175	183
RL Voltage	-	115
RL Amperage	-	4.6
SF Rotation	-	Counterclockwise
Min OA Damper Position	-	4 damper Marked

Performance Data		
	Design	Actual
Fan Suction SP	-	-.09
Fan Discharge SP	-	0.14
Total ESP	0.40"	
Fan Total SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Yes
Condensate Drain Installed	-	Yes

Notes:

Diffuser 4-14 is at 71% .unable to push more air without compromising unit total .

Written By: Mohammed Ouard on 10/24/2023

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Project:10-23-23 LIFE STORAGE #657 WESTLAKE OH

AHU/RTU



Diffuser Supply (GRD)

FUR4/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	2ND FLR. SE/SW	S1		100		101	95	95	95.0
SGRD2	2ND FLR. SE/SW	S1		75		68	70	70	93.3
SGRD3	2ND FLR. SE/SW	S1		100		90	90	90	90.0
SGRD4	2ND FLR. SE/SW	S1		100		91	91	91	91.0
SGRD5	2ND FLR. SE/SW	S1		100		126	92	92	92.0
SGRD6	2ND FLR. SE/SW	S1		100		40	92	92	92.0
SGRD7	2ND FLR. SE/SW	S1		100		146	92	92	92.0
SGRD8	2ND FLR. SE/SW	S1		100		134	91	91	91.0
SGRD9	2ND FLR. SE/SW	S1		100		104	92	92	92.0
SGRD10	2ND FLR. SE/SW	S1		100		90	90	90	90.0
SGRD11	2ND FLR. SE/SW	S1		100		75	91	91	91.0
SGRD12	2ND FLR. SE/SW	S1		100		76	90	90	90.0
SGRD13	2ND FLR. SE/SW	S1		75		69	68	68	90.7
SGRD14	2ND FLR. SE/SW	S1		100		37	71	71	71.0
SGRD15	2ND FLR. SE/SW	S1		100		68	91	91	91.0
SGRD16	2ND FLR. SE/SW	S1		100		92	92	92	92.0
Total				1550		1407	1398	1398	90.19%

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Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: AHU/RTU



Asset: FUR5

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	Armstrong air
Serial Num	-	1522C51316
Model Num	ML193UH090XE48C	EAC4x48c
Type	FURNACE	Furnance
Configuration	VERTICAL	Vertica
Num OA Filters 1	-	1
OA Filter Size 1	-	26x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3/4	3/4
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	120	115
Rated Amperage	-	8.4

Test Data		
	Design	Actual
SF CFM	1550	1727
SF RPM	1200	DD
RA CFM	1270	1248
OA CFM	280	279
RL Voltage	-	115
RL Amperage	-	5.2
SF Rotation	-	CCW
Min OA Damper Position	-	4 damper Marked

Performance Data		
	Design	Actual
Fan Suction SP	-	-.07
Fan Discharge SP	-	.035
Total ESP	0.4"	
Fan Total SP	-	0.1

General		
	Design	Actual
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Yes
Condensate Drain Installed	-	Yes

National TAB

Project:10-23-23 LIFE STORAGE #657 WESTLAKE OH

AHU/RTU



Diffuser Supply (GRD)

FUR5/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	2ND FLR. NW	S1		75					-
SGRD2	2ND FLR. NW	S1		125					-
SGRD3	2ND FLR. NW	S1		100					-
SGRD4	2ND FLR. NW	S1		75					-
SGRD5	2ND FLR. NW	S1		100					-
SGRD6	2ND FLR. NW	S2		125					-
SGRD7	2ND FLR. NW	S1		75					-
SGRD8	2ND FLR. NW	S1		75					-
SGRD9	2ND FLR. NW	S1		75					-
SGRD10	2ND FLR. NW	S1		75					-
SGRD11	2ND FLR. NW	S2		125					-
SGRD12	2ND FLR. NW	S2		125					-
SGRD13	2ND FLR. NW	S1		75					-
SGRD14	2ND FLR. NW2ND FLR. NW	S1		75					-
SGRD15	2ND FLR. NW	S1		75					-
SGRD16	2ND FLR. NW	S2		125					-
SGRD17	2ND FLR. NW	S2		125					-
Total				1625		0	0	0	0%

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Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: AHU/RTU



Asset: FUR6

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	Armstrong air
Serial Num	-	1522c51317
Model Num	ML193UH090XE48C	EAC4x48C
Type	FURNACE	FURNANCE
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	16x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3/4	3/4
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	120	115
Rated Amperage	-	8.4

Test Data		
	Design	Actual
SF CFM	1550	1568
SF RPM	1200	1050
RA CFM	1360	1370
OA CFM	190	198
RL Voltage	-	115
RL Amperage	-	5.2
SF Rotation	-	CCW
Min OA Damper Position	-	4.5 damper Marked

Performance Data		
	Design	Actual
Fan Suction SP	-	-.08
Fan Discharge SP	-	.035
Total ESP	0.40"	
Fan Total SP	-	0.11

General		
	Design	Actual
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Yes
Condensate Drain Installed	-	Yes

Notes:

Unable to balance to 10% of design .Missing dampers on Grilles # 9,10 and 13.

Written By: Mohammed Ouard on 10/25/2023

National TAB

Project:10-23-23 LIFE STORAGE #657 WESTLAKE OH

AHU/RTU



Diffuser Supply (GRD)

FUR6/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	2ND FLR. NE	S1	NA	125		97	97	97	77.6
SGRD2	2ND FLR. NE	S1	NA	100		88	88	92	92.0
SGRD3	2ND FLR. NE	S1	NA	125		72	72	88	70.4
SGRD4	2ND FLR. NE	S1	NA	100		78	78	78	78.0
SGRD5	2ND FLR. NE	S1	NA	75		50	50	65	86.7
SGRD6	2ND FLR. NE	S1	NA	125		118	118	118	94.4
SGRD7	2ND FLR. NE	S1	NA	125		98	98	98	78.4
SGRD8	2ND FLR. NE	S1	NA	100		149	149	95	95.0
SGRD9	2ND FLR. NE	S1	NA	150		200	200	200	133.3
SGRD10	2ND FLR. NE	S2	NA	100		233	233	233	233.0
SGRD11	2ND FLR. NE	S1	NA	75		61	61	68	90.7
SGRD12	2ND FLR. NE	S1	NA	75		77	77	77	102.7
SGRD13	2ND FLR. NE	S1	NA	75		89	89	89	118.7
SGRD14	2ND FLR. NE	S1	NA	100		71	71	79	79.0
SGRD15	2ND FLR. NE	S1	NA	100		89	89	91	91.0
Total				1550		1570	1570	1568	101.16%

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: Energy Recovery Unit



Asset: HRV1

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	MINICORE5-VG-FM	MINICORE5-VG-FM
Serial Num	-	20167141
Service	ERV	ERV
Type	VERTICAL	VERTICAL
Num Exh-Filters 1	-	1
Exh-Filter Size 1	-	15x20x2
Num OA-Filters 1	-	1
OA-Supply Size 1	-	15x20x2

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	175	167
Exh-ERU Rotation	-	CCW
Exh-ERU System SetPt	-	4 damper Marked
RL Voltage	-	121
RL Amperage	-	2.8

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	175	163
OA-ERU System SetPt	-	3.5 damper Marked
RL Voltage	-	121
RL Amperage	-	2.8

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: Energy Recovery Unit



Asset: HRV2

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	MINICORE5-VG-FM	MINICORE5-VG-FM
Serial Num	-	20167143
Service	ERV	ERV
Type	-	Vertical
Num Exh-Filters 1	-	1
Exh-Filter Size 1	-	15x2x2
Num OA-Filters 1	-	1
OA-Supply Size 1	-	15x20x2

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	Var Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	280	275
Exh-ERU Rotation	-	Ccw
Exh-ERU System SetPt	-	5 damper Marked
RL Voltage	-	121
RL Amperage	-	2.7

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	280	276
OA-ERU RPM	-	DD
OA-ERU Rotation	-	CCW
OA-ERU System SetPt	-	5 damper marked
RL Voltage	-	121
RL Amperage	-	2.8

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: Energy Recovery Unit



Asset: HRV3

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	MINICORE5-VG-FM	MINICORE5-VG-FM
Serial Num	-	20167145
Service	-	ERV
Type	-	Vertical
Num Exh-Filters 1	-	1
Exh-Filter Size 1	-	15x20x2
Num OA-Filters 1	-	1
OA-Supply Size 1	-	15x20x2

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Drive Data		
	Design	Actual
Belt Size	-	
Belt Tension (deflection)	-	

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	190	193
Exh-ERU RPM	-	DD
Exh-ERU Rotation	-	Ccw
Motor RPM	-	DD
Exh-ERU System SetPt	-	4.5 Marked
RL Voltage	-	121
RL Amperage	-	2.8

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	190	194
OA-ERU RPM	-	DD
OA-ERU Rotation	-	CCW
OA-ERU System SetPt	-	4 Marked
RL Voltage	-	121
RL Amperage	-	2.7

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: Energy Recovery Unit



Asset: HRV4

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	MINICORE5-VG-FM	MINICORE5-VG-FM
Serial Num	-	20167142
Service	-	Vertical
Type	ERV	ERV
Num Exh-Filters 1	-	1
Exh-Filter Size 1	-	15x20x2
Num OA-Filters 1	-	1
OA-Supply Size 1	-	15x20x2

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Exhaust Fan Drive Data		
	Design	Actual
Belt MFG	-	
Belt Size	-	
Belt Tension (deflection)	-	

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Drive Data		
	Design	Actual
Belt Size	-	
Belt Tension (deflection)	-	

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	175	151
Exh-ERU Rotation	-	CCW
Exh-ERU System SetPt	-	5.5 Marked
RL Voltage	-	121
RL Amperage	-	2.9

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	175	183
OA-ERU Rotation	-	CW
OA-ERU System SetPt	-	4 markedMarked
RL Voltage	-	122
RL Amperage	-	2.9

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: Energy Recovery Unit



Asset: HRV5

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	MINICORE5-VG-FM	MINICORE5-VG-FM
Serial Num	-	20167144
Service	ERV	ERV
Type	-	Vertical
Num Exh-Filters 1	-	1
Exh-Filter Size 1	-	15x20x2
Num OA-Filters 1	-	1
OA-Supply Size 1	-	15x20x2

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	280	277
Exh-ERU Rotation	-	CCW
Exh-ERU System SetPt	-	6 marked
RL Voltage	-	121
RL Amperage	-	2.9

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	280	279
OA-ERU RPM	-	DD
OA-ERU Rotation	-	CCW
OA-ERU System SetPt	-	4 Marked
RL Voltage	-	121
RL Amperage	-	2.9

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: Energy Recovery Unit



Asset: HRV6

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	MINICORE5-VG-FM	MINICORE5-VG-FM
Serial Num	-	20167146
Service	-	NL
Type	-	Vertical
Num Exh-Filters 1	-	1
Exh-Filter Size 1	-	15x20x2
Num OA-Filters 1	-	1
OA-Supply Size 1	-	15x20x2

Exhaust Fan Motor Data		
	Design	Actual
Motor MFG	-	Vari Green
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

OA Fan Motor Data		
	Design	Actual
Motor MFG	-	VariGreen
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Exhaust Fan Test Data		
	Design	Actual
Exh-ERU CFM	190	192
Exh-ERU Rotation	-	CCW
Exh-ERU System SetPt	-	6 Marked
RL Voltage	-	123.9
RL Amperage	-	3.4

OA Fan Test Data		
	Design	Actual
OA-ERU CFM	190	198
OA-ERU RPM	-	DD
OA-ERU Rotation	-	CCW
OA-ERU System SetPt	-	4.5 Marked
RL Voltage	-	123
RL Amperage	-	3.4

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SEI	AE80B-B
Serial Num	-	
Type	WALL MOUNTED	
Configuration	VERTICAL	

Test Data		
	Design	Actual
CFM	8200	
Fan RPM	884	
Fan Rotation	-	
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30"	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	1	
Voltage (rated)	208	
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	-	

National TAB

Project: 10-23-23 LIFE STORAGE #657 WESTLAKE OH

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	G-080-D	6-095-D-1-17-x
Serial Num	-	20163394
Type	DOWNBLAST	Downblast
Configuration	VERTICAL	Vertical

Test Data		
	Design	Actual
CFM	75	82
Fan RPM	1550	DD
Fan Rotation	-	Clockwise
Motor RPM	-	DD
RL Voltage	-	121
RL Amperage	-	2.6

Motor Data		
	Design	Actual
Motor MFG	-	McMillan electric
Frame	-	NL
Horsepower	-	0.125
Motor Rpm	-	1050
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	2.6
Service Factor	-	NL

Notes:

EF2 is serving strictly the bathroom 75cfm.

Written By: Mohammed Ouard on 10/26/2023