



Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
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Date: 7/13/2026

Return Request: 7/20/2026

Project: Hot Springs National Park – Rehabilitate Bathhouses – Buckstaff Bathhouse

Supplier: Harrison Energy Partners

Manufacturer: Lennox

Submittal: Condensing Unit (ACCU-1)

Submittal Number: 236213.001

Spec Section: 236213

Drawing # and Installation Location: M2-4

ARCHITECT

Kenneth Hahn Architects, Inc.
1343 S. 75th Street
Omaha, Nebraska 68124
(402)391-2111

GENERAL CONTRACTOR

Tepa, LLC
2345 Grand Blvd, Suite 700
Kansas City, Missouri 64108
(816)708-1110

ENGINEER

Alvine Engineering
1201 Cass Street
Omaha, Nebraska 68102
(402)346-7007

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Road
North Little Rock, Arkansas 72117
(501)834-3320

Comments:

Please note that this submittal will be the same submittal as the FUR-1 submittal (that was re-submitted on 6/29/2026)

CSUSA PROJECT NO.

25-7065

joe@comfortar.com

9924 Landers Road
No. LittleRock, AR 72117



**Harrison
Energy Partners**

COMMERCIAL HVAC
DONE RIGHT.

SUBMITTAL – Revision 1

Prepared For:
Alvine Engineering

Date:
June 10, 2026

Sold To:
Comfort Systems USA

Job Name:
Buckstaff Bathhouse

Harrison Energy Partners is pleased to provide the enclosed submittal for your review and approval.

Qty.	Product Summary
1	Lennox Gas Fired Furnace Split System

Josh Robinson
Harrison Energy Partners
1501 Westpark Drive
Little Rock, AR 72204
Phone: (501) 661-0621
Cell: (501) 539-0633

The attached information describes the equipment we propose to furnish for this project and is submitted for your approval.

Revision 1 Notes:

1. Ambient air temperature changed from 95 to 105 degrees.
2. Supply airflow changed from 2,055 to 1,995 CFM.



Project Submittal

Project Name: Rehabilitate Bathhouses - Hot Springs
National Park
Project Number: 800805
Project Altitude: 500
Project Location:
, US

Date: 6/10/2026
Quote: 551606
Roof Top Units: 0
Split Systems: 1

Customer: Harrison Energy Partners
Engineer: Design Build None

Table of Contents

Tag	Qty	Model	Description
<u>ACCU/FUR-1</u>	1	25U57	EL22KCV-060-230 COND/5.0 TON/230V
	1	25U85	CK40CT-60C COIL 5.0 TON R454B
	1	26S65	ML296UH110XV60CK Gas Furn/110K/5Ton

Revit® Building Information Modeling (BIM) - [Click here](#)

AutoCAD® Templates - [Click here](#)



Project Submittal

Tag: ACCU/FUR-1
Condenser: EL22KCV-060-230
Evaporator Coil: CK40CT-60C (R454B)
Furnace: ML296UH110XV60CK (RDS)

UNIT OVERVIEW

AHRI Reference - 217886652

Voltage	AHRI SEER2 EER2	Tons	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208 Volt 1 Phase / 60Hz	17.75 11.7	5.0	58.4 / 54.5	56.0 / 52.1	1,995	0.6 / 0.9	80.0 / 67.0	53.6 / 53.6

COOLING

Cooling Performance				Temperatures (DB/WB °F)			
Gross Cooling (Ttl/Sens)		58.4 / 54.5 MBH		Ambient		105.0	
Net Cooling (Ttl/Sens)		56.0 / 52.1 MBH		Entering		80.0 67.0	
Coil Moisture Removal		3.72 lb/hr		Total Leaving – (Coil)		53.6 53.6	
				Total Leaving – (Unit)		54.7 54.7	
ARI Performance		Compressors		Refrigerant		Condensate Drain	
AHRI Cooling 57.0 MBH		Cooling Stages Variable		Type R-454B		Qty 2	
		Compressor Qty 1		Cond Suction Line 1 1/8		Size 0.75 in.	
				Cond Liquid Line 3/8		Pipe Thread fpt	
				Coil Suction Line 7/8			
				Coil Liquid Line 3/8			

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low) 106.0 / 70.0 MBH		Gas Heat Rise 47.8°F		Thermal Efficiency 96.0%	
Input (High/Low) 110.0 / 72.0 MBH		Total Leaving 47.8		Gas Line Size 0.5 in.	
				Heat Exchange Type Aluminum	

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply 1,995		Nominal Power 1hp		Total 0.94	
		Drive Type ECM Variable Speed Constant Volume		Ext Supply 0.60	
		Speed Tap A Jumper (+)		Wet Coil 0.34	
		Orientation Upflow/Horizontal			

ELECTRICAL

Condenser		Furnace	
Voltage 208 Volt 1 Phase / 60Hz		Voltage 120V / 1Ph / 60Hz	
MCA 30 amp		MCA	
MOCP 50 amp		MOCP 20.0 amp	
Condenser Oper Range-Nom Volt +/- 10%			
Oper Range-Nom Volt +/- 10%			

ADDITIONAL DATA

Condenser		Furnace		Evaporator Coil	
Dimensions 39.75 in. x 35.75 in. x 39.38 in.		Dimensions 28.75 in. x 21.00 in. x 33.00 in.		Dimensions 22.00 in. x 21.00 in. x 32.25 in.	
Total Weight 283 lb		Total Weight 174 lb		Total Weight 73 lb	



Project Submittal

Field Installed Accessories

Catalog Number	Qty	Description
15Z69	1	iComfort M30 Smart Thermostat Field Installed
69M29	1	2" Concentric Roof Vent Kit US Field Installed



Project Submittal

Product Features

Cabinet

Heavy gauge galvanized steel cabinet
Non-corrosive drain pan
Fully Insulated heavy gauge steel cabinet
Heavy Gauge Cold Rolled Steel Cabinet
Quantum™ Coil Enhanced aluminum alloy tube/enhanced fin coil

Cooling System

Hi-Capacity Drier factory installed in liquid line
Low Pressure Switch
Crankcase Heater
Twin Coils assembled in an "A" configuration
Check and Expansion Valve is factory installed

Heating System

Aluminized Steel Inshot Burners
Aluminized Steel Tubular Heat Exchanger
SureLight(R) Hot Surface Ignition
Furnace Limited Warranty 10 Years Comm

Approvals and Compliance

Only refrigerants in compliance with New York State regulations can be used in the state of New York

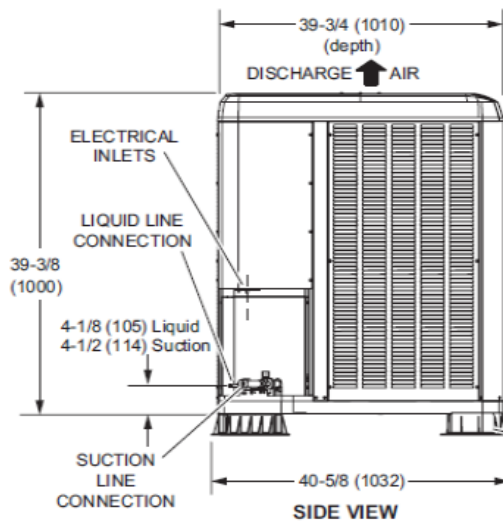
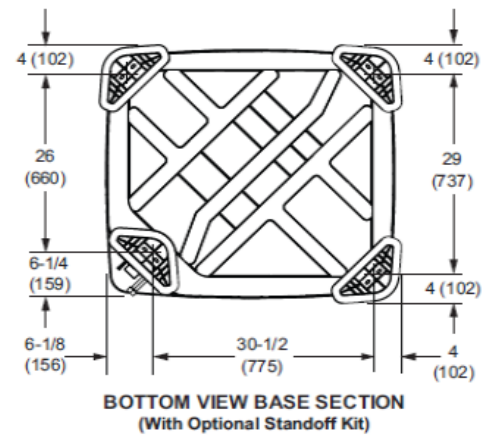
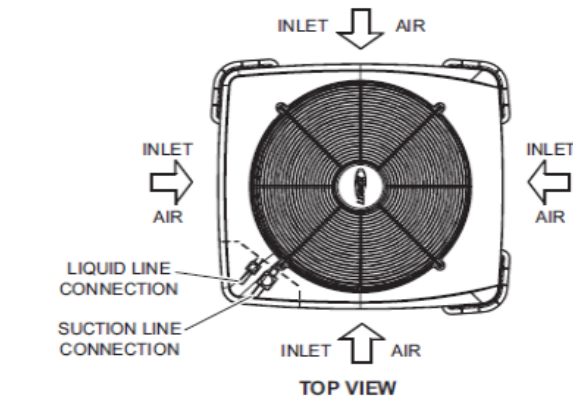
Warranty

Condenser Limited warranty on all other covered components of 5 years Condenser See Limited Warranty Certificate included with unit for details
Condenser Limited compressor warranty of 10 years for Residential Installations
Condenser Limited compressor warranty of 5 years for Non-Residential Installations
Coil See Limited Warranty Certificate included with unit for details
Coil Limited warranty on all covered components of 1 year in Non-Residential Installations
Furnace See Limited Warranty Certificate included with unit for details
Furnace Limited warranty on heat exchanger of 20 years
Furnace Limited warranty on all other covered components of 1 year (Comm Use)
Furnace Limited warranty on Surelight ignition control system of 1 Year (Comm Use)



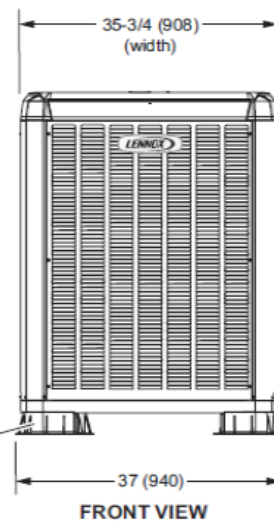
Project Submittal

DIMENSIONS - UNIT



¹ OPTIONAL
STAND-OFF
GUARD-EDGE
RAISER KIT (4)
(Field Installed)

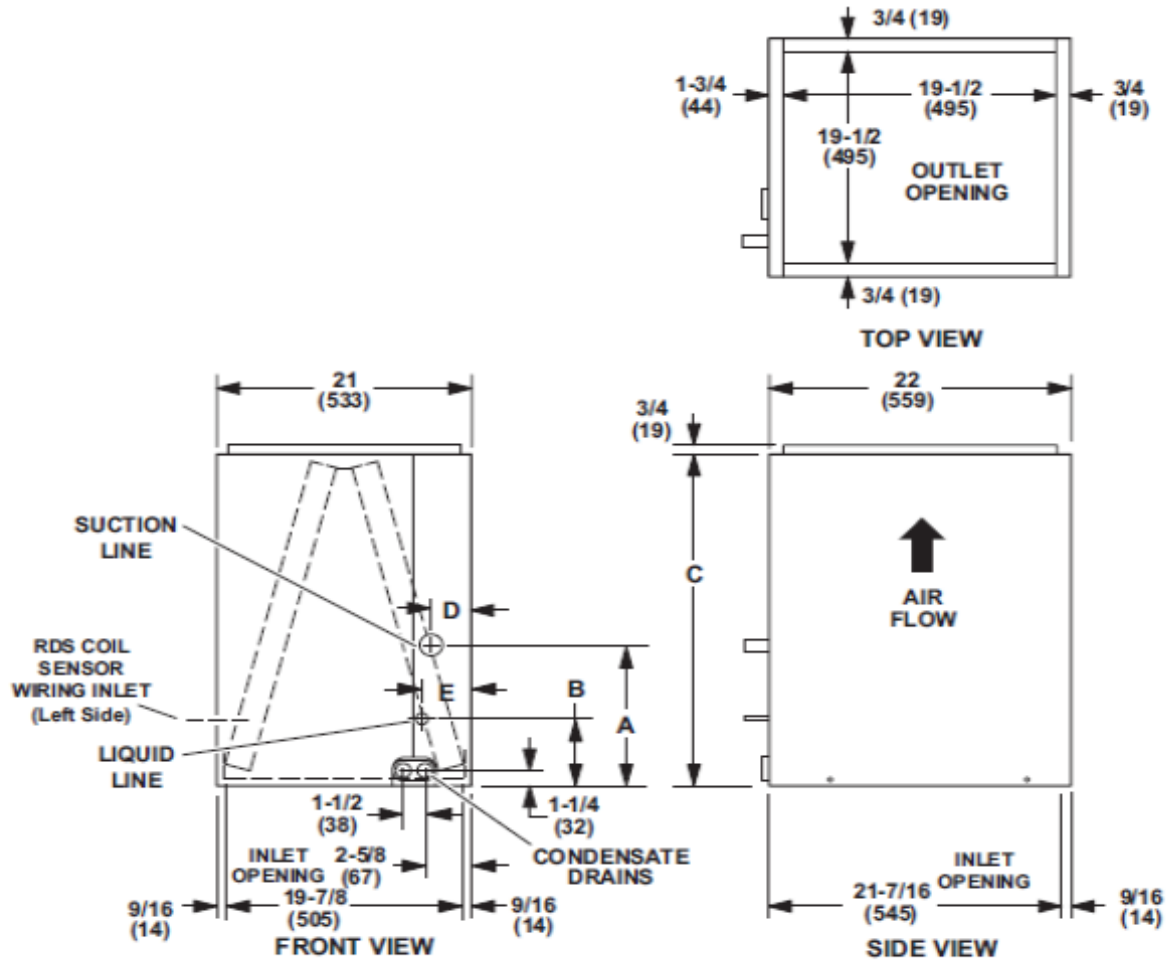
¹ Adds 3 in. (76 mm) or
6 in. (152 mm) to unit height



DIMENSIONS

CK40CT CASED

CK40CT-49C-6F and CK40-CT-60C-6F

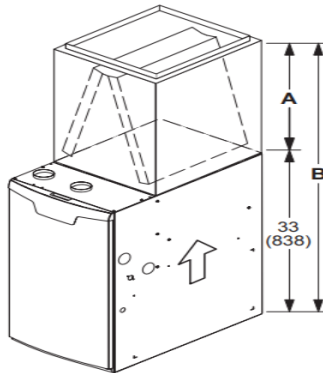


Size	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
49C	10	254	3-5/8	92	29-1/2	749	2-3/8	60	2-5/8	66
60C	14-1/2	368	3-5/8	92	31-1/2	800	2-3/8	60	2-5/8	66



Project Submittal

DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS

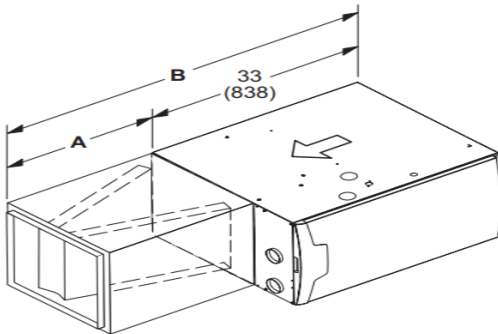


UPFLOW POSITION - CASED

Model		A		B	
Model	C35/CX35	in.	mm	in.	mm
CK40CT-18/24A	C35/CX35-18/24A	16-1/2	419	49-1/2	1257
CK40CT-18/24B	C35/CX35-18/24B				
CK40CT-24A	C35/CX35-24A	18-1/2	470	51-1/2	1308
CK40CT-24B	C35/CX35-24B				
CK40CT-30A	C35/CX35-30A	22-1/2	572	55-1/2	1410
CK40CT-30B	C35/CX35-30B				
CK40CT-30/36A	C35/CX35-30/36A	24-1/2	622	57-1/2	1461
CK40CT-30/36B	C35/CX35-30/36B				
CK40CT-30/36C	C35/CX35-30/36C				
CK40CT-36A	C35/CX35-36A	24-1/2	622	57-1/2	1461
CK40CT-36B	C35/CX35-36B				
CK40CT-48B	C35/CX35-48B	27-1/2	699	60-1/2	1537
CK40CT-48C	C35/CX35-48C				
CK40CT-49C	C35/CX35-49C	29-1/2	749	62-1/2	1588
CK40CT-50/60C	C35/CX35-50/60C	27-1/2	699	60-1/2	1537
CK40CT-60C	CX35-60C	31-1/2	800	64-1/2	1638

UPFLOW POSITION - UNCASD

Model		A		B	
Model	C35	in.	mm	in.	mm
CK40UT-18/24A	C35-18/24A	14-1/8	359	47-1/8	1197
CK40UT-18/24B	C35-18/24B				
CK40UT-24A	C35-24A	16-3/8	416	49-3/8	1254
CK40UT-24B	C35-24B				
CK40UT-30A	C35-30A	20-3/4	527	53-3/4	1365
CK40UT-30B	C35-30B				
CK40UT-30/36A	C35-30/36A	22-1/4	565	55-1/4	1403
CK40UT-30/36B	C35-30/36B				
CK40UT-30/36C	C35-30/36C				
CK40UT-36A	C35-36A	22-3/8	568	55-3/8	1407
CK40UT-36B	C35-36B				
CK40UT-48B	C35-48B	26-1/4	667	59-1/4	1505
CK40UT-48C	C35-48C				
CK40UT-49C	C35-49C	28-1/2	724	61-1/2	1562
CK40UT-50/60C	C35-50/60C	25-7/8	657	58-7/8	1495
CK40UT-60C	C35-60C	30-5/8	778	63-5/8	1616



HORIZONTAL POSITION

Model		A		B	
Model	CHX35	in.	mm	in.	mm
CK40HT-18A	CHX35-18A				
CK40HT-24A	CHX35-24A				
CK40HT-24B	CHX35-24B				
CK40HT-30B	CHX35-30B	26-1/2	673	59-1/2	1511
CK40HT-36A	CHX35-36A				
CK40HT-36B	CHX35-36B				
CK40HT-36C	CHX35-36C				
CK40HT-42C	CHX35-42C				
CK40HT-48C	CHX35-48C				
CK40CT-30A	CHX35-30A	31-1/2	880	64-1/2	1638
CK40CT-42B	CHX35-42B				
CK40CT-48B	CHX35-48B				
CK40CT-51/61C	CHX35-51/61C				

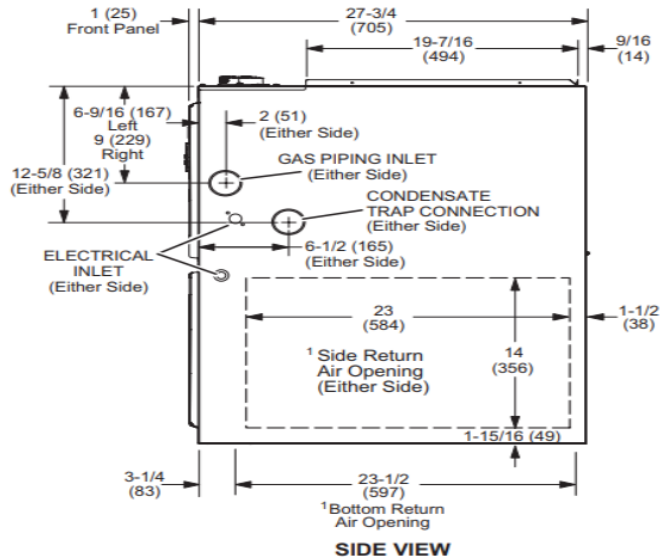
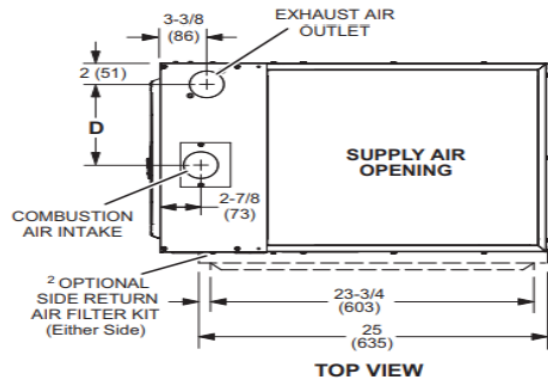
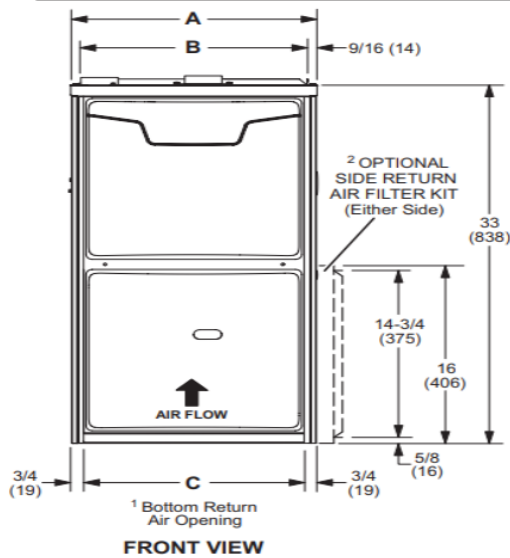
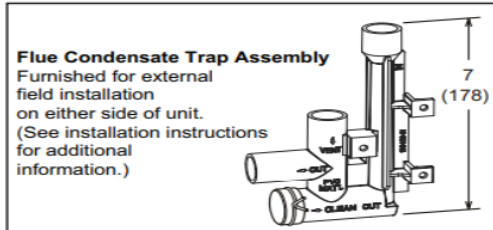
ML296UHV(K) | Page 2'



Project Submittal

DIMENSIONS - UNIT - UPFLOW POSITION

- ¹ NOTE - 60C size units that require air volumes over 1800 cfm must have one of the following:
1. Single side return air and Optional Return Air Base with transition that must accommodate required 20 x 25 x 1 inch (508 x 635 x 25 mm) air filter to maintain proper velocity.
 2. Bottom return air.
 3. Return air from both sides.
 4. Bottom and one side return air.
- See Blower Performance Tables for additional information.
- ² Optional Side Return Air Filter Kit is not for use with the Optional Return Air Base.



Model No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
ML296UH045XV36BK	17-1/2	446	16-3/8	416	16	406	7-5/8	194
ML296UH070XV36BK								
ML296UH090XV48CK	21	533	19-7/8	505	19-1/2	495	9-3/8	238
ML296UH110XV60CK								