

9924 Landers Rd.
No. Little Rock, AR 72117



Submittal

Prepared For:
Cromwell Architects Engineers

Date:
12/10/2024

Sold To:
Comfort Systems USA

Job Name:
Sherwood Public Works

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

Qty.	Product Summary
2	Air Handling Units / Condensing Units (AHU/ CU-1,2)

Josh Robinson, New Systems Sales 501-539-0633 • harrisonenergy.com Harrison Energy Partners • Commercial HVAC Excellence 1501 Westpark Dr., Ste. 9 • Little Rock, AR 72204	The attached information describes the equipment we propose to furnish for this project and is submitted for your approval.
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Submittal Data Sheet

16.4 IEER A/C R32, 7.5 Ton 208/230V 3PH - DC6TE09030

Project: City of Sherwood - Public Works

Submitted by: Ronald Holt of HARRISON ENERGY PARTNERS on 12/11/2024

Tags: CU-1,2

STANDARD FEATURES

- Two-Stage tandem compressor design
- Quiet operating top discharge
- High-efficiency copper tube / aluminum fin coil
- Brass liquid and suction service valves
- High- and low-pressure switches
- Factory-installed filter drier
- Complies with ASHRAE 90.1
- AHRI Certified; ETL Listed

CABINET FEATURES

- Innovative sound control top design Steel louver coil guard protects the coil from damage and adds strength to unit Bottom pan rails elevate unit above slab Heavy-gauge galvanized-steel cabinet Attractive Nickel Gray powder-paint finish When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)





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PERFORMANCE COMBINATION (HSVTC) * VALUES SHOWN ARE FOR AHRI RATED HIGH SALES VOLUME TESTED

Outdoor Unit Model No.	DC6TE09030	Outdoor Unit Name:	16.4 IEER A/C R32, 7.5 Ton 208/230V 3PH
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75	Rated Heating Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
* EER:	12.30	* EER2:	
* SEER:		* SEER2:	
* Rated Cooling Capacity (Btu/hr):	95,000		

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 3	Compressor Type:	Two Stage
Min. Circuit Amps MCA (A):	38.7	Suction Valve Connection Size (inch):	1-1/8
Max Overcurrent Protection (MOP) (A):	50	Liquid Valve Connection Size (inch):	5/8
Rated Load Amps RLA(A):	14.1	Sound Power () (dBA):	
Refrigerant Type:	R-32	Cooling Operation Range (°F DB):	55 - 125
Holding Refrigerant Charge (ozs):	110	Heating Operation Range (°F DB):	-
Additional Charge (ounces/ft):	1.54	Max. Pipe Length (Vertical) (ft):	25
Pre-charge Piping (Length) (ft):	15	Min. Cooling Range w/Baffle (°F DB):	
Max. Pipe Length (Total) (ft):	150	Min. Heating Range w/Baffle (°F DB):	
Net Weight (lb):	350	Gross Weight (lb):	391
Dimensions (HxWxD) (in):	41.5 x 35.5 x 35.5		



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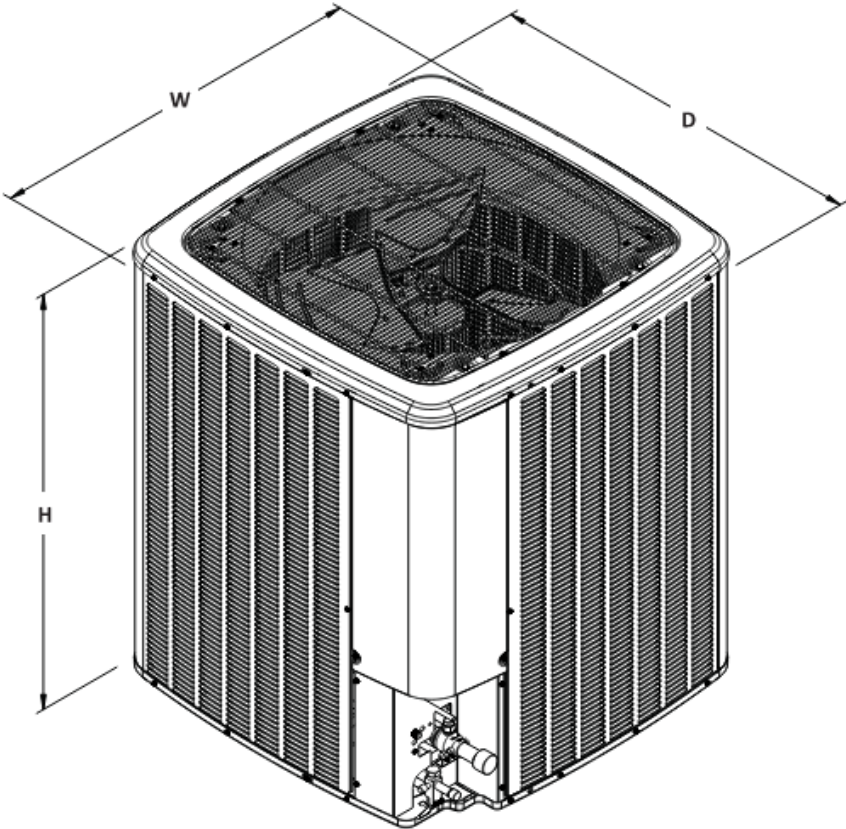
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DIMENSIONAL DRAWING



MODELS	DIMENSIONS		
	W"	D"	H"
DC6TE09030A*	35½"	35½"	41½"
DC6TE09040A*	35½"	35½"	41½"
DC6TE12030A*	35½"	35½"	41½"
DC6TE12040A*	35½"	35½"	41½"

LAKT01 & LAKT03

LOW AMBIENT KITS

INSTALLATION INSTRUCTIONS

ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices... follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

DESCRIPTION

The LAKT01 and LAKT03 low ambient kits (for Light Commercial Models and Residential Splits) are temperature sensitive fan motor speed controls designed to regulate the outdoor section head pressure by varying the air volume through the outdoor coil and are required when operating below 55°F outdoor temperature. This is achieved by sensing the liquid temperature at the coil by means of a thermistor probe. The probe provides an input signal to the control to increase the fan motor speed in relation to changes in the liquid temperature. Ensure all parts are included before beginning. If parts are missing from the kit contact the distributor where the kit was purchased.

NOTE: These kits are not approved for any 16 and 18 SEER outdoor units that utilize an ECM condenser fan motor.

The following accessories must be installed on all condensers and remote heat pumps when equipped with low ambient kits.

1. Crankcase heater must be installed if not factory installed.
2. Hard start kit for single phase units. (See Spec Sheet for Accessories)
3. TXV kit installed on indoor evaporator coil, if not factory installed.
4. FSK01A - Freeze protection kit must be installed on indoor coil.
5. Wind buffer must be installed for temperatures below 0°F or areas with high prevailing winds. Wind buffer can be a wall fabricated from wood or masonry material that will prevent the prevailing wind from causing the outdoor fan to rotate.
NOTE: When wind buffer is installed, it is necessary to use minimum 4" risers to elevate the unit off of the pad to provide better airflow for moderate and high ambient temperatures.

NOTE: SPECIFICATIONS AND PERFORMANCE DATA LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

Quality Makes the Difference!

All of our systems are designed and manufactured with the same high quality standards regardless of size or efficiency. We have designed these units to significantly reduce the most frequent causes of product failure. They are simple to service and forgiving to operate. We use quality materials and components. Finally, every unit is run tested before it leaves the factory. That's why we know. . **There's No Better Quality.**

Visit our website at www.daikincomfort.com, www.goodmanmfg.com or www.amana-hac.com for information on:

- Products
- Warranties
- Customer Services
- Parts
- Contractor Programs and Training
- Financing Options



PARTS LIST FOR KITS

Item	Part No.	Qty.
Pressure Control & Probe LAKT01	0130M00058	1
Pressure Control & Probe LAKT03	0130M00059	1
Wire Assembly LAKT01	---	8
Wire Assembly LAKT03	---	6
Terminals LAKT01	---	4
Terminals LAKT03	---	7
Wire Ties LAKT01	---	3
Wire Ties LAKT03	---	4
Mounting Bracket LAKT01 & LAKT03	0121M00047	1
Installation Instructions	IO-826	1

KIT INSTALLATION


WARNING



HIGH VOLTAGE
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS KIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

1. Disconnect all sources of power to the unit.
2. Remove access panels to blower compartment and control box.
3. Using the screws provided, secure the control to the mounting bracket provided (see Figure 1A). Secure the new assembly on the condenser evaporator partition panel in the blower section of the unit.

For 3 to 12.5 ton light commercial, secure 2 inches below the hole where the fan and compressor leads exit the blower section. See Figure 1B.

For 15 to 20 ton light commercial, secure to the right of the capacitor assembly, located on the partition panel. See Figure 1C.

For residential 3 phase models, secure ICM to the control panel. See Figure 1D. *(Do not use mounting bracket in this application.)*

NOTE: Do not install the control in areas where the mounting screws can come into contact with the condenser coil or tubing.

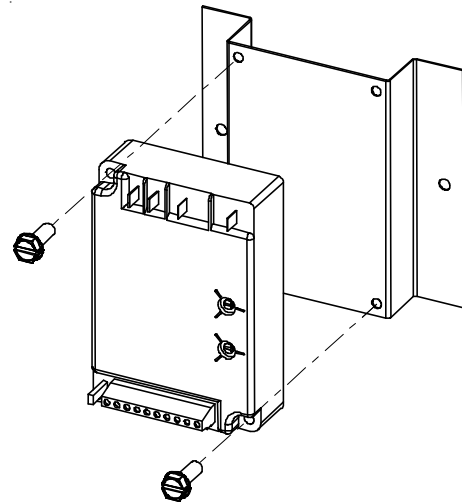


Figure 1A

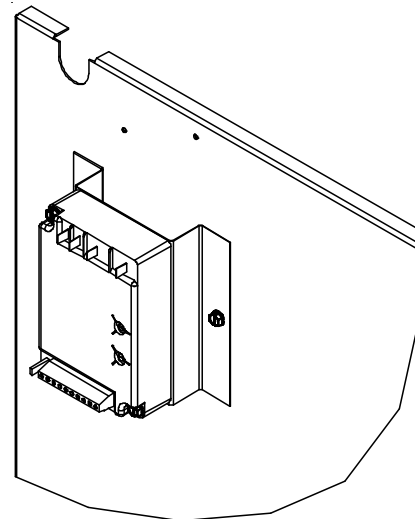


Figure 1B

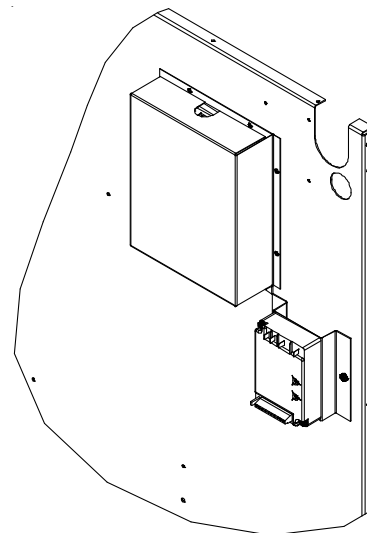


Figure 1C