



14ACX
MERIT® Series
R-410A - 60 Hz

**RESIDENTIAL
 PRODUCT SPECIFICATIONS**

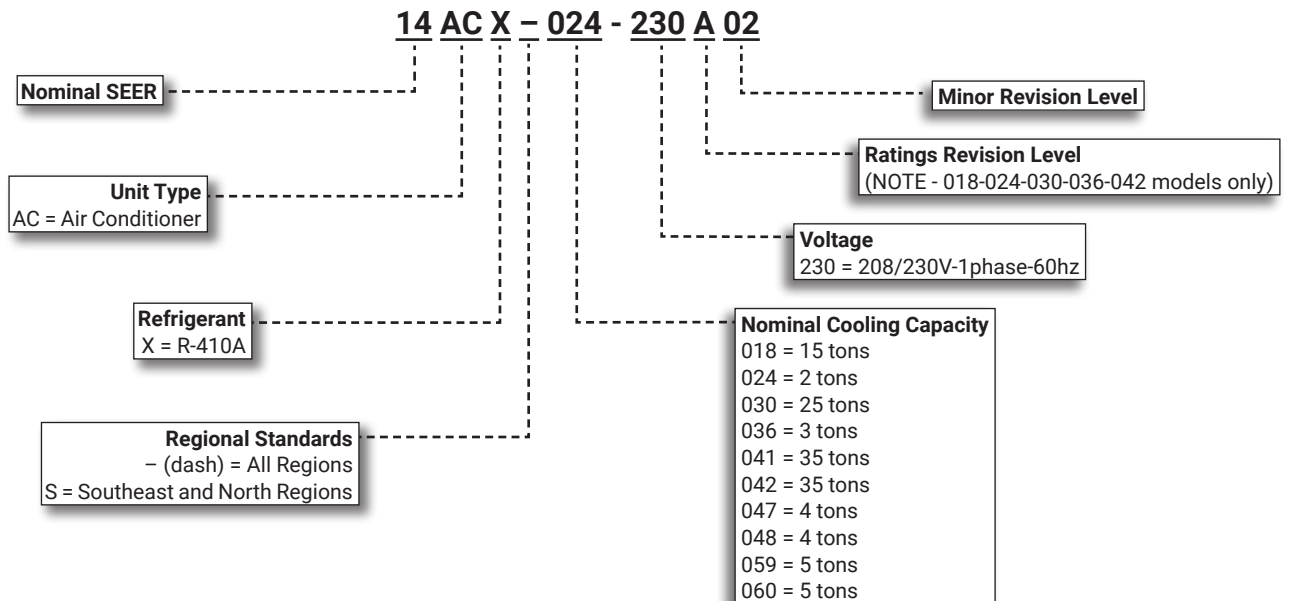
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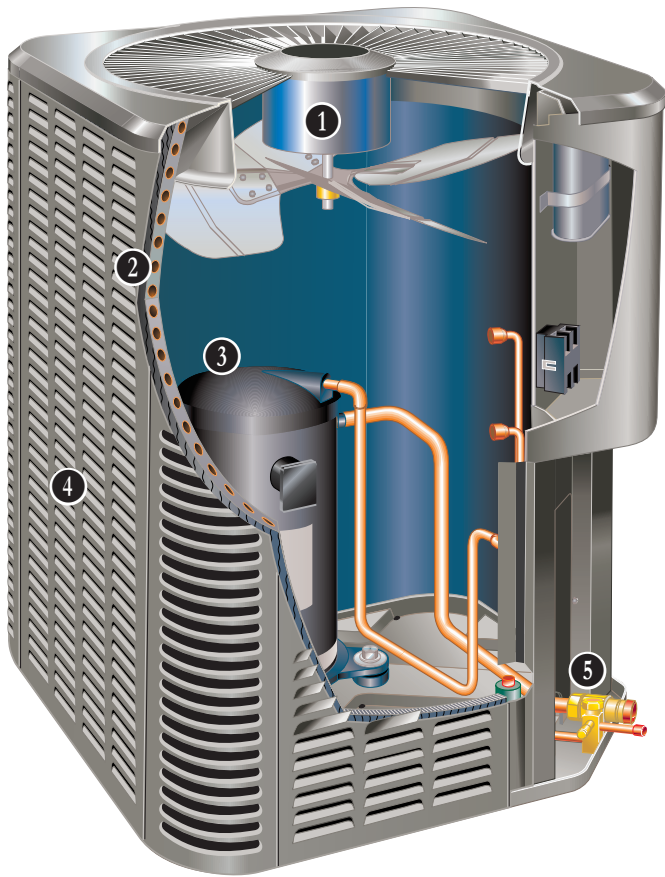
**MERIT®
 SERIES**

SEER up to 16.00
1.5 to 5 Tons
Cooling Capacity - 18,000 to 59,000 Btuh

MODEL NUMBER IDENTIFICATION



FEATURES HIGHLIGHTS



1. Outdoor Coil Fan
2. Copper Tube / Enhanced Fin Coil
3. Scroll Compressor
4. Heavy Gauge Steel Cabinet
5. Refrigerant Line Access

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APPROVALS AND WARRANTY

APPROVALS

- AHRI Standard 210/240 certified
- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com
- Sound rated to AHRI Standard 270-2008 test conditions
- Tested in the Lennox Research Laboratory environmental test room
- Rated According to US Department of Energy (DOE) test procedures
- Region specific models meet the minimum efficiency requirements for US DOE Federal Regional Standards in that area
- Units and components within bonded for grounding to meet safety standards for servicing required by UL, NEC and CEC
- ETL certified (US and Canada)
- ISO 9001 Registered Manufacturing Quality System

WARRANTY

- Compressor:
 - Limited five years in residential installations
 - Limited five years in non-residential installations
- All other covered components:
 - Limited five years in residential installations
 - Limited one year in non-residential installations

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

FEATURES

APPLICATIONS

- 1.5 through 5 tons
- Single phase power supply
- Sound levels low as 76 dBA
- Vertical air discharge
- Applicable to indoor air handlers or gas furnaces with indoor add-on coils
- Factory test operated

NOTE - Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job.

REFRIGERATION SYSTEM

R-410A Refrigerant

- Non-chlorine, ozone friendly
- Unit is factory pre-charged

NOTE - Total system refrigerant charge is dependant on outdoor unit size, indoor unit size and refrigerant line length.

NOTE - Refer to the unit-mounted charging sticker to determine correct amount of charge required.

1 Outdoor Coil Fan

- Direct drive fan
- Vertical air discharge
- Fan motor has sleeve bearings (-018 through -048 and -060 models), ball bearings (-059 model)
- Totally enclosed fan motor
- Inherently protected
- Louvered steel top fan guard

2 Copper Tube/Enhanced Fin Coil

- Lennox designed and fabricated coil
- Ripple-edged aluminum fins
- Copper tube construction
- Lanced fins for maximum fin surface exposure
- Fin collars grip tubing for maximum contact area
- Flared shoulder tubing connections
- Factory tested under high pressure
- Steel louvered panels provide complete coil protection
- Entire coil is accessible for cleaning

High Capacity Liquid Line Drier

- Factory installed in the liquid line
- Drier traps moisture or dirt
- 100% molecular-sieve, bead type, bi-flow drier

High Pressure Switch

- Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting
- Automatic reset

FEATURES

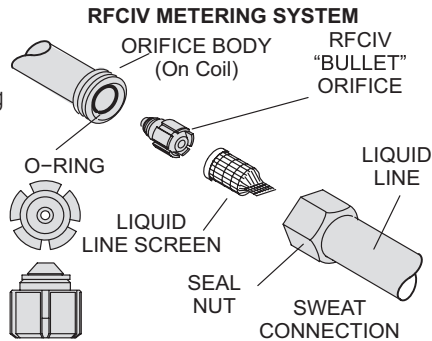
REFRIGERATION SYSTEM (continued)

Refrigerant Flow Control

- Units applicable to expansion valve systems or RFC systems when matched with specific indoor coils

RFCIV:

- Accurately meters refrigerant in system
- Refrigerant control is accomplished by exact sizing of refrigerant metering orifice
- The principle involves matching indoor coil with proper bore size of orifice in metering device
- Equalizes pressure shortly after compressor stops, unit starts unloaded, eliminating need for additional controls
- See RFC Orifice Usage Table on Page 11 for correct matches



Optional Accessories

Expansion Valve Kits

- Field installed on certain indoor units
- See TXV Usage table
- Chatleff-style fitting

Freezestat

- Senses suction line temperature
- Cycles compressor off when suction line temperature falls below its setpoint
- Opens at 29°F and closes at 58°F
- Installs on or near the discharge line of the evaporator or on the suction line

Loss of Charge Switch Kit

- Protects compressor from damage from low refrigerant charge conditions
- SPST
- Normally-closed
- Automatic reset

Refrigerant Line Kits

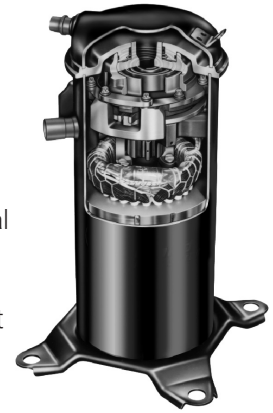
- Refrigerant lines are shipped refrigeration clean
- Lines are cleaned, dried, pressurized and sealed at factory
- Lines are stubbed at both ends
- Suction line fully insulated

NOTE - Not available for -059-060 models. Must be field fabricated.

COMPRESSOR

3 Scroll Compressor

- High efficiency with uniform suction flow
- Constant discharge flow, high volumetric efficiency and quiet operation
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Muffler in discharge line reduces operating sound levels
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation



Scroll Compressor Operation

- Two involute spiral scrolls matched together generate a series of crescent-shaped gas pockets between them
- During compression, one scroll remains stationary while the other scroll orbits around it
- Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates
- As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced
- When the pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls
- During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle
- Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency
- Compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to be worked toward the center and discharged

Compressor Crankcase Heater (-041, -047, -048, -059 & -060 Models)

- Protects against refrigerant migration that can occur during low ambient operation

Optional Accessories

Compressor Crankcase Heater (Optional for 018-024-030-036-042)

- Protects against refrigerant migration that can occur during low ambient operation

Compressor Sound Cover

- Reinforced vinyl compressor cover
- 1-1/2 inch thick batt of fiberglass insulation
- Hook and loop fastening tape on all open edges

FEATURES

CONTROLS

Optional Accessories

iComfort® M30 Smart Wi-Fi Thermostat

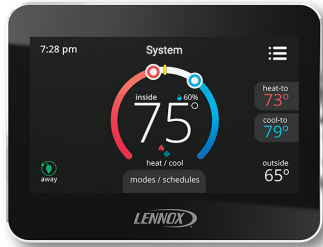
- Wi-Fi-enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat
- 4 Heat/2 Cool
- Auto-changeover
- Dual-fuel control with optional outdoor sensor
- Controls dehumidification during cooling mode and humidification during heating mode
- Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, Humiditrol® control, and equipment maintenance reminders
- Easy to read 4.3 in. color touchscreen (measured diagonally)
- LCD display with backlight shows the current and set temperature, time, inside relative humidity, system status (operating mode and schedules) and outside temperature (optional outdoor sensor required)
- Smooth Setback Recovery starts system early to achieve setpoint at start of program period
- Compressor short-cycle protection (5 minutes)
- Up to four separate schedules are available plus Schedule IQ™
- One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away
- Smart Away™ - Uses geo-fencing technology to determine when the homeowner is within a predetermined distance from the home to operate the system when leaving, away and arriving
- Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets
- Smart home automation compatible with Amazon Alexa®, Google Assistant and IFTTT

NOTE - See the iComfort® M30 Smart Wi-Fi Thermostat Product Specifications bulletin in the Controls section for more information.

Remote Outdoor Temperature Sensor

- Used with the iComfort® M30 Smart Thermostat
- Allows thermostat to display outdoor temperature

NOTE - Sensor is required for the Enhanced Dehumidification Accessory (EDA).



Optional Accessories (continued)

Thermostat

- Thermostat is not furnished with unit
- See Lennox Price Book for selection

Compressor Low Ambient Cut-Off

- Non-adjustable switch (low ambient cut-out)
- Prevents compressor operation in cooling mode when outdoor temperature is below 35°F

Compressor Hard Start Kit

- Single-phase units are equipped with a PSC compressor motor
- Kit may be required to increase the compressor starting torque in low voltage conditions

Compressor Time-Off Control

- Kit prevents compressor short-cycling and allows time for suction and discharge pressure to equalize
- Permits compressor start-up in an unloaded condition
- Automatic reset with 5 minute delay between compressor shut-off and start-up

Indoor Blower Off Delay Relay

- Delays the indoor blower-off time during the cooling cycle

Low Ambient Kit

- Air conditioners can operate down to 45°F outdoor air temperature without additional controls
- Allows unit to operate properly down to 30°F

NOTE - Crankcase heater and freezestat should be installed on compressors equipped with a low ambient kit.

NOTE - A compressor low ambient cut-off switch should be added to terminate compressor operation below recommended operation conditions.

FEATURES

CABINET

- 4 • Heavy gauge steel cabinet
- Five station metal wash process
- Louvered heavy gauge steel panels
- Powder paint finish for superior rust and corrosion protection
- Control box conveniently located with all controls factory wired
- Corner patch plate allows compressor access
- Drainage holes provided in base section

PermaGuard™ Unit Base

- Durable zinc-coated base section resists rust and corrosion

5 Refrigerant Line Connections, Electrical Inlets, Service Valves

- Sweat connection suction and liquid lines
- Located on corner of unit cabinet
- Fully serviceable brass service valves
- Suction valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system
- Refrigerant line connections and field wiring inlets are located in one central area of cabinet for easy access
- See dimension drawing

Optional Accessories

Unit Stand-Off Kit

- Black high density polyethylene feet
- Raises unit off mounting surface
- Four feet furnished per order number

SPECIFICATIONS

General Data	Model No	All Regions Southeast and North Regions	14ACX-018	14ACX-024	14ACX-030	14ACX-036	14ACX-041
			14ACXS018	14ACXS024	14ACXS030	14ACXS036	---
		Nominal Tonnage	15	2	25	3	35
Connections (sweat)		Liquid line od - in	3/8	3/8	3/8	3/8	3/8
		Suction line od - in	3/4	3/4	3/4	7/8	7/8
¹ Refrigerant (R-410A) furnished			4 lbs 13 oz	5 lbs 9 oz	6 lbs 11 oz	6 lbs 11 oz	10 lbs 1 oz
Outdoor Coil	Net face area	Outer coil	1322	16	21	21	21
		sq ft Inner coil	---	---	---	---	2025
		Tube diameter - in	5/16	5/16	5/16	5/16	5/16
		Number of rows	1	1	1	1	2
		Fins per inch	26	26	26	26	22
Outdoor Fan		Diameter - in	18	22	22	22	22
		Number of blades	3	3	3	3	4
		Motor hp	1/10	1/6	1/6	1/6	1/4
		Cfm	2290	3160	3160	3160	3600
		Rpm	1075	825	825	825	825
		Watts	160	215	215	215	310
Shipping Data - lbs 1 package			138	158	171	177	209

ELECTRICAL DATA

	Line voltage data - 60 hz - 1ph	208/230V	208/230V	208/230V	208/230V	208/230V
	² Maximum overcurrent protection (amps)	20	25	25	30	35
	³ Minimum circuit ampacity	124	150	171	186	226
Compressor	Rated load amps	94	112	129	141	167
	Locked rotor amps	566	608	64	77	79
	Power factor	096	097	098	098	097
Condenser Fan Motor	Full load amps	07	10	10	10	17
	Locked rotor amps	13	19	19	19	32

CONTROLS

iComfort® M30 Smart Wi-Fi Thermostat	15Z69	•	•	•	•	•
Remote Outdoor Temperature Sensor	X2658	•	•	•	•	•

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Compressor Crankcase Heater	93M04	•	•	•	•	
	Factory					•
Compressor Hard Start Kit	Copeland 10J42	•	•	•	•	•
	LG 88M91			•	•	
Compressor Low Ambient Cut-Off Switch	45F08	•	•	•	•	•
Compressor Sound Cover	27W55	•	•	•	•	
	27W56					•
Compressor Time-Off Control	47J27	•	•	•	•	•
Freezestat	3/8 in tubing 93G35	•	•	•	•	•
	5/8 in tubing 50A93	•	•	•	•	•
Indoor Blower Off Delay Relay	58M81	•	•	•	•	•
Loss of Charge Switch Kit	84M23	•	•	•	•	•
⁴ Low Ambient Kit (Fan Cycling)	34M72	•	•	•	•	•
Refrigerant Line Sets	L15-41-20, L15-41-30, L15-41-40, L15-41-50	•	•	•		
	L15-65-30, L15-65-40, L15-65-50				•	•
Unit Stand-Off Kit	94J45	•	•	•	•	•

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage

¹ Refrigerant charge sufficient for 15 ft length of refrigerant lines For longer line set requirements see the Installation Instructions for information about line set length and additional refrigerant charge required

² HACR type circuit breaker or fuse

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements

⁴ Crankcase Heater and Freezestat are recommended with Low Ambient Kit

SPECIFICATIONS							
General Data	Model No	All Regions	14ACX-042	14ACX-047	14ACX-048	14ACX-059	14ACX-060
	Southeast and North Regions		14ACXS042	---	---	---	---
		Nominal Tonnage	35	4	4	5	5
Connections (sweat)		Liquid line od - in	3/8	3/8	3/8	3/8	3/8
		Suction line od - in	7/8	7/8	7/8	1-1/8	1-1/8
¹ Refrigerant (R-410A) furnished			8 lbs 10 oz	11 lbs 3 oz	10 lbs 8 oz	11 lbs 2 oz	12 lbs 0 oz
Outdoor Coil	Net face area	Outer coil sq ft	1867	22	21	2494	22
		Inner coil	1796	2133	2025	2414	2133
	Tube diameter - in		5/16	5/16	5/16	5/16	5/16
	Number of rows		2	2	2	2	2
	Fins per inch		22	22	22	22	22
Outdoor Fan	Diameter - in		22	26	22	26	26
	Number of blades		4	4	4	4	4
	Motor hp		1/4	1/3	1/4	1/3	1/3
	Cfm		3500	4400	3600	4400	4400
	Rpm		825	825	825	825	825
	Watts		310	310	310	310	310
Shipping Data - lbs 1 package			208	250	228	266	253
ELECTRICAL DATA							
	Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V	208/230V
	² Maximum overcurrent protection (amps)		40	45	45	50	60
	³ Minimum circuit ampacity		241	267	267	341	348
Compressor	Rated load amps		179	199	20	25	264
	Locked rotor amps		112	109	99	134	134
	Power factor		094	097	099	098	098
Condenser Fan Motor	Full load amps		17	18	17	28	18
	Locked rotor amps		32	29	32	---	29
CONTROLS							
iComfort® M30 Smart Wi-Fi Thermostat		15Z69	•	•	•	•	•
Remote Outdoor Temperature Sensor		X2658	•	•	•	•	•
OPTIONAL ACCESSORIES - ORDER SEPARATELY							
Compressor Crankcase Heater		93M04	•				
		Factory		•	•	•	•
Compressor Hard Start Kit	Copeland	10J42	•	•		•	•
	LG	88M91	•		•		•
Compressor Low Ambient Cut-Off Switch		45F08	•	•	•	•	•
Compressor Sound Cover		27W56	•	•	•	•	•
Compressor Time-Off Control		47J27	•	•	•	•	•
Freezestat	3/8 in tubing	93G35	•	•	•	•	•
	5/8 in tubing	50A93	•	•	•	•	•
Indoor Blower Off Delay Relay		58M81	•	•	•	•	•
Loss of Charge Switch Kit		84M23	•	•	•	•	•
⁴ Low Ambient Kit (Fan Cycling)		34M72	•	•	•		•
		68M04				•	
Refrigerant Line Sets	L15-65-30, L15-65-40, L15-65-50		•	•	•		
	Field Fabricate					•	•
Unit Stand-Off Kit		94J45	•	•	•	•	•

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage

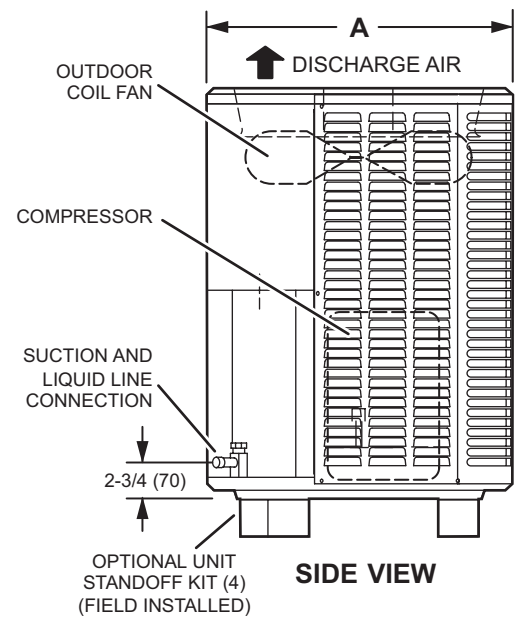
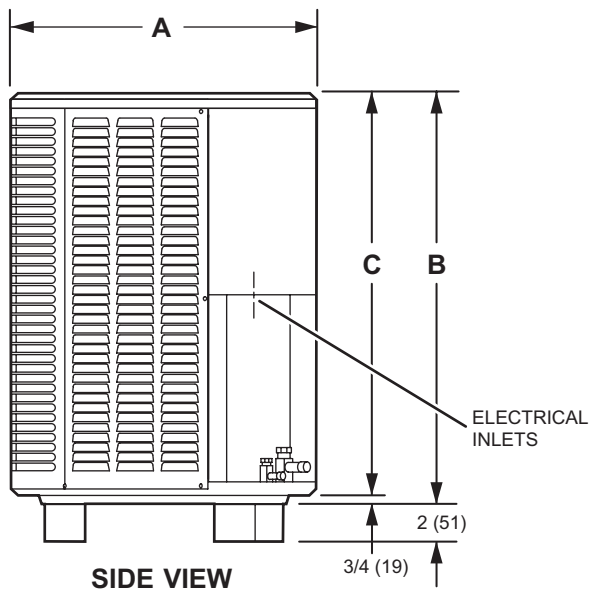
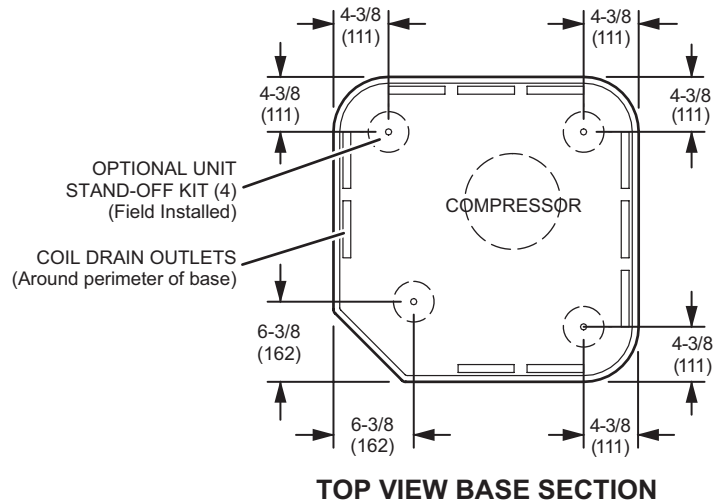
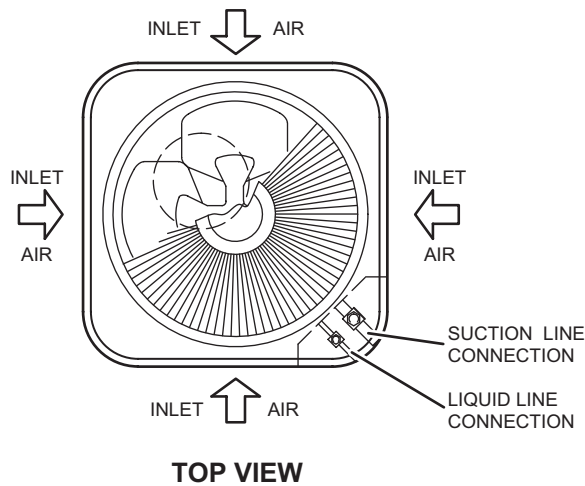
¹ Refrigerant charge sufficient for 15 ft length of refrigerant lines For longer line set requirements see the Installation Instructions for information about line set length and additional refrigerant charge required

² HACR type circuit breaker or fuse

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements

⁴ Crankcase Heater and Freezestat are recommended with Low Ambient Kit

DIMENSIONS - UNIT



Model	A		B		C	
	inches	mm	inches	mm	inches	mm
018	24-1/4	616	29-1/4	743	28-1/2	724
024	28-1/4	718	29-1/4	743	28-1/2	724
030	28-1/4	718	37-1/4	946	36-1/2	927
036	28-1/4	718	37-1/4	946	36-1/2	927
041	28-1/4	718	37-1/4	946	36-1/2	927
042	28-1/4	718	33-1/4	845	32-1/2	826
047	32-1/4	817	33-1/4	845	32-1/2	826
048	28-1/4	718	37-1/4	946	36-1/2	927
059	32-1/4	817	37-1/4	946	36-1/2	927
060	32-1/4	817	33-1/4	845	32-1/2	826

SOUND DATA

1 Unit Model	Octave Band Sound Power Levels dBA, re 10 ⁻¹² Watts Center Frequency - HZ							1 Sound Rating Number (dBA)	2 Estimated Sound Pressure Level at Distance From Unit (dBA at distance in ft)				
	125	250	500	1000	2000	4000	8000		3	5	10	15	50
018	695	705	71	71	69	635	575	76	69	64	58	55	44
024	695	72	705	705	675	625	575	76	69	64	58	55	44
030	725	74	74	72	675	615	565	76	69	64	58	55	44
036	735	75	74	725	675	625	565	76	69	64	58	55	44
041	765	74	735	735	70	625	585	78	71	66	60	57	46
042	735	755	745	735	705	64	585	78	71	66	60	57	46
047	765	775	775	735	69	635	605	80	73	68	62	59	48
048	765	74	735	735	70	625	585	78	71	66	60	57	46
059	795	765	765	725	68	63	605	78	71	66	60	57	46
060	765	775	775	735	69	635	605	80	73	68	62	59	48

NOTE - the octave sound power data does not include tonal correction

¹ Tested according to AHRI Standard 270-2008 test conditions

² Estimated sound pressure level at distance based on AHRI Standard 275-2010 method for equipment located on the ground, roof, or on side of building wall with no adjacent reflective surface within 98 feet Sound pressure levels will increase based on changes to assumptions For other applications, refer to AHRI Standard 275

TXV USAGE

Use this table for C35, CH23, CH35 and CR33 Field Installed TXV Match-Ups (if a valid match)

Outdoor Unit Model No	Thermal Expansion Valve (TXV)
14ACX(-)(S)018	12J18
14ACX(-)(S)024	12J18
14ACX(-)(S)030	12J18
14ACX(-)(S)036	12J19
14ACX-041	12J20
14ACX(-)(S)042	12J20
14ACX-047	12J20
14ACX-048	12J20
14ACX-059	12J20
14ACX-060	12J20

CX35 and CHX35 coils and all Lennox air handlers are shipped with a factory installed TXV.

C35 and CH35 coils - Replace the factory installed orifice with the expansion valve listed.

CH23 and CR33 - Use the expansion valve listed.

TXV SUBSTITUTION

A general guide for replacing the factory installed TXV if the indoor unit (coil/air handler) is larger than the outdoor unit.

Outdoor Unit		Indoor Unit		TXV Furnished	TXV Replacement
Size	Tons	Size	Tons		
024	2	38	3.5	12J19	12J18
024	2	42	3.5	12J20	12J18
024	2	48	4	12J20	12J18
024	2	49	4	12J20	12J18
030	2.5	38	3.5	12J19	12J18
030	2.5	42	3.5	12J20	12J18
030	2.5	43	3.5	12J20	12J18
030	2.5	44/48	4	12J20	12J18
030	2.5	48	4	12J20	12J18
030	2.5	50/60	4	12J20	12J18

TXV Ranges:

12J18 - 1.5 to 2.5 ton systems - Use on 2.5 ton and lower systems.

12J19 - 3 ton systems - Use down to 2 ton systems.

12J20 - 3.5 to 5 ton systems - Use down to 3 ton systems.

AHRI STANDARD 210/240

Cooling or heating capacities are net values, including the effects of blower motor heat, and do not include supplementary heat Power input is the total power input to the compressor(s) and fan(s), plus any controls and other items required as part of the system for normal operation

Units which do not have an indoor air-circulating blower furnished as part of the model, ie, split system with indoor coil only, is established by subtracting from the total cooling capacity 1250 Btu/h per 1,000 cfm, and by adding the same amount to the heating capacity Total power input for both heating and cooling is increased by 365 W per 1,000 cfm of indoor air circulated

RFC ORIFICE USAGE (SOUTHEAST AND NORTH REGIONS)

LEGEND:

◀ Green = Matches Orifice Furnished With Indoor Coil (no replacement necessary)

▲ Yellow = Matches Orifice Furnished With Outdoor Unit (orifice must be field replaced)

Blue = Field Provided (must be ordered extra for field replacement)

C33 COILS

Indoor Coil Model No	Factory Orifice Furnished in Coil	Outdoor Unit Model No - Orifice Furnished With Outdoor Unit				
		14ACXS018	14ACXS024	14ACXS030	14ACXS036	14ACXS042
		0053	0060	0067	0071	0083
C33-19A-2	0051		0060 ▲			
C33-25A-2	0057	0053 ▲	0060 ▲	0067 ▲		
C33-25B-2	0057	0053 ▲	0060 ▲	0067 ▲		
C33-31A-2	0065	0053 ▲	0060 ▲	0067 ▲	0071 ▲	
C33-31B-2	0065	0053 ▲	0060 ▲	0067 ▲	0071 ▲	
C33-36A-2	0073		0060 ▲			
C33-36B-2	0073		0060 ▲			
C33-36C-2	0073		0060 ▲			
C33-38A-2	0073		0060 ▲	0067 ▲	0071 ▲	
C33-38B-2	0073		0060 ▲	0067 ▲	0071 ▲	
C33-43B-2	0076			0067 ▲	0071 ▲	
C33-43C-2	0076			0067 ▲	0071 ▲	
C33-48B-2	0082				0071 ▲	
C33-48C-2	0082				0071 ▲	
C33-49C-2	0082				0071 ▲	0083 ▲
C33-50/60C-2	0082				0071 ▲	
C33-62C-2	0093					0083 ▲

C35 COILS

Indoor Coil Model No	Factory Orifice Furnished in Coil	Outdoor Unit Model No - Orifice Furnished With Outdoor Unit				
		14ACXS018	14ACXS024	14ACXS030	14ACXS036	14ACXS042
		0053	0060	0067	0071	0083
C35-18A/24-2F	0053	◀ 0053				
C35-18/24B-2F	0053	◀ 0053				
C35-24A-2F	0057	0053 ▲	◀ 0057	0063		
C35-24B-2F	0057	0053 ▲	◀ 0057	0063		
C35-30A-2F	0067		0057	◀ 0067	0071 ▲	
C35-30B-2F	0067		0057	◀ 0067	0071 ▲	
C35-30/36A-2F	0,057		◀ 0057			
C35-30/36B-2F	0,057		◀ 0057			
C35-30/36C-2F	0,057		◀ 0057			
C35-36A-2F	0070		0057	0065	◀ 0070	
C35-36B-2F	0070		0057	0065	◀ 0070	
C35-48B-2F	0071			0063	◀ 0071	
C35-48C-2F	0071			0063	◀ 0071	
C35-49C-2F	0076				0070	0077
C35-50/60C-2F	0070				◀ 0070	
C35-60D-2F	0077					◀ 0077

RFC ORIFICE USAGE (SOUTHEAST AND NORTH REGIONS)

LEGEND:

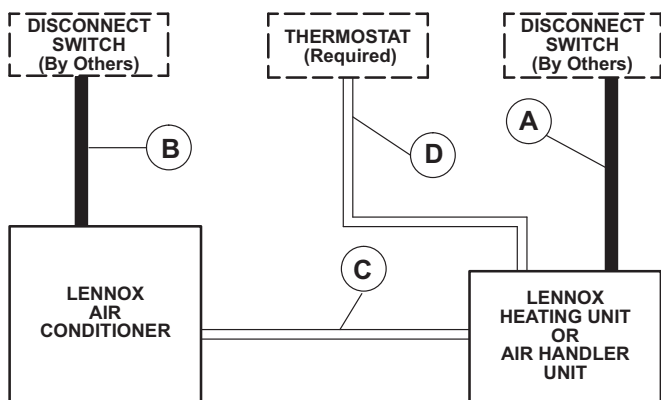
◀ Green = Matches Orifice Furnished With Indoor Coil (no replacement necessary)

▲ Yellow = Matches Orifice Furnished With Outdoor Unit (orifice must be field replaced)

CH23, CH33, CR33 COILS

Indoor Coil Model No	Factory Orifice Furnished in Coil	Outdoor Unit Model No - Orifice Furnished With Outdoor Unit				
		14ACXS018	14ACXS024	14ACXS030	14ACXS036	14ACXS042
		0053	0060	0067	0071	0083
CH23-41-2	N/A		0060 ▲			
CH33-25A	0062	0053 ▲	0060 ▲	0067 ▲		
CH33-25B	0062		0060 ▲			
CH33-31A	0071	0053 ▲	0060 ▲	0067 ▲		
CH33-31B	0071			0067 ▲	◀ 0071	
CH33-36A	0076		0060 ▲			
CH33-36C	0076			0067 ▲		
CH33-42B	0082		0060 ▲	0067 ▲		
CH33-43B	0082		0060 ▲	0067 ▲	0071 ▲	0083 ▲
CH33-43C	0082					0083 ▲
CH33-44/48B	0082				0071 ▲	
CH33-48	0091				0071 ▲	
CH33-49	0091				0071 ▲	0083 ▲
CH33-50/60C	0091				0071 ▲	0083 ▲
CR33-30/36A,B,C	N/A	0053 ▲	0060 ▲	0067 ▲		
CR33-48B,C	N/A				0071 ▲	
CH35-36A	N/A		0060 ▲			
CH35-36B	N/A		0060 ▲			
CH35-36C	N/A		0060 ▲			

FIELD WIRING

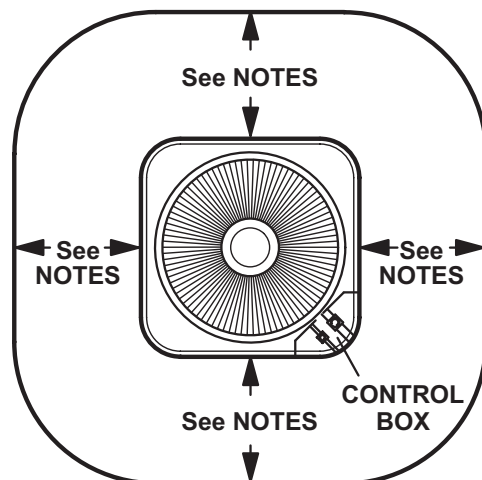


- A - Two Wire Power
- B - Two Wire Power (See Electrical Data)
- C - Two Wire Low Voltage (18 ga minimum)
- D - Four Wire Low Voltage (Electro-Mechanical) 18 ga minimum
Five Wire Low Voltage (Electronic) 18 ga minimum

NOTE - Field Wiring Not Furnished

All wiring must conform to NEC or CEC and local electrical codes

INSTALLATION CLEARANCES



NOTES:

Service clearance of 30 in (762 mm) must be maintained on one of the sides adjacent to the control box

Clearance to one of the other three sides must be 36 in (914 mm)

Clearance to one of the remaining two sides may be 12 in (305 mm) and the final side may be 6 in (152 mm)

A clearance of 24 in must be maintained between two units
48 in (1219 mm) clearance required on top of unit

RFC ORIFICE USAGE (ALL REGIONS)

LEGEND:

◀ Green = Matches Orifice Furnished With Indoor Coil (no replacement necessary)

▲ Yellow = Matches Orifice Furnished With Outdoor Unit (orifice must be field replaced)

Blue = Field Provided (must be ordered extra for field replacement)

NOTE - 14ACX-041-047-048-059-060 Models are only matched with TXVs

C33 COILS

Indoor Coil Model No	Factory Orifice Furnished in Coil	Outdoor Unit Model No - Orifice Furnished With Outdoor Unit				
		14ACX-018	14ACX-024	14ACX-030	14ACX-036	14ACX-042
		0053	0060	0067	0071	0083
C33-31A-2	0065	0053 ▲	0060 ▲	0067 ▲		
C33-31B-2	0065	0053 ▲	0060 ▲	0067 ▲		
C33-38A-2	0073			0067 ▲		
C33-38B-2	0073		0060 ▲	0067 ▲		
C33-43B-2	0076			0067 ▲	0071 ▲	
C33-43C-2	0076			0067 ▲	0071 ▲	
C33-49C-2	0082				0071 ▲	
C33-50/60C-2	0082				0071 ▲	
C33-62C-2	0093					0083 ▲

C35 COILS

Indoor Coil Model No	Factory Orifice Furnished in Coil	Outdoor Unit Model No - Orifice Furnished With Outdoor Unit				
		14ACX-018	14ACX-024	14ACX-030	14ACX-036	14ACX-042
		0053	0060	0067	0071	0083
C35-18/24A-2F	0053	◀ 0053				
C35-18/24B-2F	0053	◀ 0053				
C35-24A-2F	0057		◀ 0057			
C35-30A-2F	0067		0057	◀ 0067		
C35-30B-2F	0067		0057	◀ 0067		
C35-36A-2F	0070		0057	0065		
C35-36B-2F	0070		0057	0065		
C35-48B-2F	0071			0063		
C35-48C-2F	0071			0063		
C35-49C-2F	0076				0070	0077
C35-50/60C-2F	0070				◀ 0070	
C35-60D-2F	0077					◀ 0077

RFC ORIFICE USAGE (ALL REGIONS)

LEGEND:

◀ Green = Matches Orifice Furnished With Indoor Coil (no replacement necessary)

▲ Yellow = Matches Orifice Furnished With Outdoor Unit (orifice must be field replaced)

NOTE - 14ACX-041-047-048-059-060 Models are only matched with TXVs

CH23, CH33, CR33 COILS

Indoor Coil Model No	Factory Orifice Furnished in Coil	Outdoor Unit Model No - Orifice Furnished With Outdoor Unit				
		14ACX-018	14ACX-024	14ACX-030	14ACX-036	14ACX-042
		0053	0060	0067	0071	0083
CH33-25A	0062		0060 ▲			
CH33-25B	0062		0060 ▲			
CH33-31A	0071	0053 ▲	0060 ▲	0067 ▲		
CH33-31B	0071	0053 ▲	0060 ▲	0067 ▲	◀ 0071	
CH33-36C	0076		0060 ▲			
CH33-42B	0082		0060 ▲	0067 ▲		
CH33-43B	0082		0060 ▲	0067 ▲	0071 ▲	
CH33-43C	0082					0083 ▲
CH33-44/48B	0082				0071 ▲	
CH33-48	0091				0071 ▲	
CH33-49	0091				0071 ▲	0083 ▲
CH33-50/60C	0091				0071 ▲	0083 ▲
CR33-30/36A,B,C	N/A	0053 ▲	0060 ▲			
CH35-36A	N/A		0060 ▲			
CH35-36B	N/A		0060 ▲			

RFC ORIFICE ORDERING

Orifice Size	Order No
0053	97M74
0057	97M75
0060	10W97
0063	97M76
0065	10W99
0067	11W00
0070	98M13
0071	10W85
0077	11W03
0083	11W07

REVISIONS

Sections	Description of Change
TXV Substitution	Updated TXV guidelines.



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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury
Installation and service must be performed by a qualified installer and servicing agency

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