# LENNOX

### RESIDENTIAL **PRODUCT SPECIFICATIONS**

SERIES

LENNOX QUANTUM COIL

## AIR CONDITIONERS EL16XC1

**ELITE® Series** R-410A - 60 Hz

> Bulletin No. 210833 October 2020 Supersedes July 2020





**ENERGY STAR** 

SEER up to 17.85 1.5 to 5 Tons Cooling Capacity - 17,800 to 60,000 Btuh



#### 1. Outdoor Coil Fan

- 2. Quantum<sup>™</sup> Coil
- 3. High Capacity Liquid Line Drier
- 4. High Pressure Switch
- 5. Scroll Compressor
- 6. Heavy Gauge Steel Cabinet
- 7. SmartHinge<sup>™</sup> Louvered Coil Protection
- 8. Refrigerant Line Connections and 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
- ENERGY STAR<sup>®</sup> Certified (certain units)
- Sound rated to AHRI Standard 270-2008 test conditions
- Tested in Lennox' Research Laboratory environmental test room
- Rated According to U.S. Department of Energy (DOE) test procedures
- · Region specific models meet the minimum efficiency requirements for U.S. DOE Federal Regional Standards in that area
- Unit and components ETL, NEC and CEC bonded for grounding to meet safety standards for servicing
- ETL certified (U.S. and Canada)
- ISO 9001 Registered Manufacturing Quality System

#### WARRANTY

- · Compressor:
  - · Limited ten 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 ton
- Sound levels as low as 71 dBA
- Single-phase power supply
- Vertical air discharge
- · Applicable to indoor air handlers or gas furnaces with indoor add-on coils
- · Shipped completely factory assembled, piped and wired
- Factory test operated

#### **REFRIGERATION SYSTEM**

#### **R-410A Refrigerant**

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

#### Outdoor Coil Fan

- Direct drive fan
- Vertical air discharge
- Totally enclosed fan motor
- Sleeve bearings
- Inherently protected
- · PVC (polyvinyl chloride) coated steel fan guard

## 2 Quantum<sup>™</sup> Coil

- Lennox designed and fabricated coil
- Enhanced aluminum alloy tube/enhanced fin coil
- Superior corrosion resistance
- Ripple-edged aluminum fins
- Aluminum 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
- · Entire coil is accessible for cleaning

#### 3 High Capacity Liquid Line Drier

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

#### 4 High Pressure Switch

- · Protects the system from high pressure conditions
- Automatic reset

#### **Discharge Thermostat**

- · Factory installed on the discharge line of the compressor
- SPST
- Automatic reset
- · Removes power to the compressor when discharge temperature exceeds the factory setting of 220°F



#### FEATURES

#### **REFRIGERATION SYSTEM (continued)**

#### **Refrigerant Flow Control**

• Units applicable to **RFCIV METERING SYSTEM** expansion valve RFCIV **ORIFICE BODY** "BULLET" systems or RFC (On Coil) ORIFICE systems when Ø matched with specific indoor coils O-RING LIQUID LINE RFCIV: LIQUID Accurately meters LINE SCREEN refrigerant in SEAL system NUT SWEAT

- Refrigerant control
  CONNECTION
  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
- · Eliminates need for additional controls
- · Furnished with air conditioner

#### **Optional Accessories**

#### **Expansion Valve Kits**

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

#### Freezestat

- · Senses suction line temperature
- Cycles compressor off when suction line temperature falls below it's 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
- Suction line fully insulated
- $\boldsymbol{\cdot}$  Lines are stubbed at both ends
- **NOTE** Not available for -060 models. Must be field fabricated.

#### COMPRESSOR

#### 5 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 (060 Models)

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

#### Compressor Sound Dampening System

- Polyethylene compressor
- 2 inch thick batt fiberglass insulation
- All open edges sealed with one-inch wide hook and loop fastening tape



#### FEATURES

#### COMPRESSOR (continued)

#### **Optional Accessories**

#### Compressor Crankcase Heater (018 thru 048 models)

Protects against refrigerant migration that can occur during low ambient operation

#### Compressor Hard Start Kit

- Single-phase units are equipped with a PSC compressor motor
- This type of motor normally doesn't need a potential relay and start capacitor
- For conditions such as low voltage kit may be required to increase the compressor starting torque

#### Compressor Low Ambient Cut-Off Switch

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

#### **CONTROLS**

#### **Optional Accessories**

#### iComfort® E30 Smart Wi-Fi Thermostat

- Wi-Fi enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat
- 3 Heat/2 Cool
- Auto-changeover
- Controls dehumidification during cooling mode and humidification during heating mode



 Offers enhanced capabilities including

humidification / dehumidification / dewpoint measurement and control, Humiditrol<sup>®</sup> control, and equipment maintenance reminders

- Easy to read 7 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<sup>™</sup>
- One-Touch Away Mode A quick and easy way to set the cooling and heating setpoints while away
- Smart Away<sup>™</sup> 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 Apple HomeKit<sup>™</sup>, Amazon Alexa<sup>®</sup>, Google Assistant and IFTTT

- Service Dashboard features online real-time monitoring of installed iComfort<sup>®</sup> thermostats
- High Definition Color Display with Subbase, Smart Hub Controller, wallplate (for retrofit installations) furnished for easy installation
- See the iComfort<sup>®</sup> E30 Smart Wi-Fi Thermostat Product Specifications bulletin for more information

#### Remote Outdoor Temperature Sensor

- Used with the iComfort<sup>®</sup> E30 Smart Wi-Fi Thermostat
- When installed outdoors, sensor allows thermostat to display outdoor temperature
- Sensor is auto-detected when connected to thermostat
- **NOTE** Sensor is required for the Enhanced Dehumidification Accessory (EDA).

#### Thermostat

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

#### 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 lock-out thermostat should be added to terminate compressor operation below recommended operation conditions.

#### Compressor Timed-Off Control

- Prevents compressor short-cycling
- 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

#### **FEATURES**

#### **CABINET**

- 6 Heavy-gauge steel construction
  - Pre-painted cabinet finish
  - Louvered heavy gauge steel panels surround unit on all four sides
  - Control box is conveniently located with all controls factory wired
  - Corner patch plate allows access to compressor components
  - Drainage holes are provided in base section for moisture removal
  - High density polyethylene unit support feet raise the unit off of the mounting surface, away from damaging moisture

#### PermaGuard<sup>™</sup> Unit Base

Durable zinc-coated base section resists rust and corrosion

#### SmartHinge<sup>™</sup> Louvered Coil Protection

- Steel louvered panels provides complete coil protection
- Panels are hinged to allow easy cleaning and servicing of coils
- Panels may be completely removed



• Interlocking tabs and slots assure tight fit on cabinet

#### 8 Refrigerant Line Connections, Electrical Inlets and Service Valves

- Sweat connection suction and liquid lines
- · Located on corner of unit cabinet
- 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 the cabinet
- See dimension drawing

SPECIFICATIONS						
General	Model No.	All Regions	EL16XC1-018	EL16XC1-024	EL16XC1-030	EL16XC1-036
Data	Southeast and No	rth Regions				EL16XC1S036
	Nomi	nal Tonnage	1.5	2	2.5	3
Connections	Liquid lir	ne (o.d.) - in.	3/8	3/8	3/8	3/8
(sweat)	Suction lir	ne (o.d.) - in.	3/4	3/4	3/4	7/8
Refrigerant	<sup>1</sup> R-410A char	ge furnished	4 lbs. 9 oz.	4 lbs. 9 oz.	5 lbs. 8 oz.	7 lbs. 1 oz.
Outdoor	Net face area - sq. ft.	Outer coil	13.22	16.33	21.00	16.33
Coil		Inner coil				15.75
	Tube d	liameter - in.	5/16	5/16	5/16	5/16
		No. of rows	1	1	1	2
	F	ins per inch	26	26	26	22
Outdoor	D	iameter - in.	18	22	22	22
Fan	Ν	lo. of blades	3	3	3	3
		Motor hp	1/10	1/6	1/6	1/6
		Cfm	2290	3160	3160	3160
		Rpm	1075	825	825	825
		Watts	160	215	215	190
Shipping Data - Ibs. 1 pk	g.		155	171	187	205
ELECTRICAL DATA	Α					
Line voltage data - 60hz			208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
<sup>2</sup> Maximum overcurrent p	protection (amps)		20	25	25	30
<sup>3</sup> Minimum circuit ampac	ity		11.9	14.6	17	18.0
Compressor	Rate	d load amps	9.0	10.9	12.8	13.6
	Locked	d rotor amps	48	59.3	67.8	79
		Power factor	0.97	0.97	0.97	0.96
Outdoor Fan Motor		II load amps	0.7	1	1	1
	Locked	d rotor amps	1.3	1.9	1.9	1.9
CONTROLS				1	1	l
iComfort <sup>®</sup> E30 Smart Wi-		20A65	•	•	•	•
Remote Outdoor Temper		X2658	•	•	•	•
OPTIONAL ACCES	SORIES - ORDE	R SEPAR	ATELY	1	1	
Compressor Crankcase	Heater	93M04	•	•	•	•
Compressor Hard	Copeland	10J42	•	•	•	•
Start Kit	LG	88M91	•	•	•	•
Compressor Low Ambier		45F08	•	•	•	•
Compressor Timed-Off C		47J35	•	•	•	•
Freezestat	3/8 in. tubing	93G35	•	•	•	•
	5/8 in. tubing	50A93	•	•	•	•
Indoor Blower Off Delay	-	58M81	٠	•	•	•
Loss of Charge Switch K		84M23	٠	•	•	•
<sup>4</sup> Low Ambient Kit (Fan C		34M72	٠	•	•	•
Refrigerant Line Sets	L15-41-20 L15-41-30	L15-41-40 L15-41-50	•	•	•	
	L15-65-30	L15-41-50 L15-65-40				•
	L10-00-30	L15-65-50 L15-65-50				
NOTE - Extremes of operating ra	and the 100/ and the F			1	1	L

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

<sup>1</sup> 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.

<sup>2</sup> HACR type breaker or fuse.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

<sup>4</sup> Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

SPECIFIC	ATIONS						
General		All Regions	EL16XC1-041	EL16XC1-042	EL16XC1-047	EL16XC1-048	EL16XC1-060
Data		nal Tonnage	3.5	3.5	4	4	5
Connections	Liquid lin	ie (o.d.) - in.	3/8	3/8	3/8	3/8	3/8
(sweat)	Suction lin	ie (o.d.) - in.	7/8	7/8	7/8	7/8	1-1/8
Refrigerant	<sup>1</sup> R-410A charg	ge furnished	9 lbs. 9 oz.	8 lbs. 12 oz.	11 lbs. 0 oz.	9 lbs. 12 oz.	12 lbs. 0 oz.
Outdoor	Net face area - sq. ft.	Outer coil	21.00	21.00	22.17	21.00	29.09
Coil		Inner coil	20.25	20.25	21.33	20.25	28.16
	Tube d	iameter - in.	5/16	5/16	5/16	5/16	5/16
		No. of rows	2	2	2	2	2
	F	ins per inch	22	22	22	22	22
Outdoor	D	iameter - in.	22	22	26	22	26
Fan	N	o. of blades	3	3	4	4	3
		Motor hp	1/6	1/6	1/3	1⁄4	1/3
		Cfm	3050	3050	4400	3600	4550
		Rpm	825	825	825	825	825
		Watts	190	190	310	310	310
Shipping Data	a - Ibs. 1 pkg.		227	234	272	255	284
ELECTRIC	AL DATA						
Line voltage d	lata - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
<sup>2</sup> Maximum ov	vercurrent protection (amps)		30	40	35	40	50
<sup>3</sup> Minimum cir	cuit ampacity		19.3	23.4	21.9	24.2	29.6
Compressor	Rated	d load amps	14.7	17.9	16.1	18.0	22.2
	Locked	l rotor amps	75	112	105.5	117	127.9
	F	Power factor	0.96	0.96	0.98	0.96	0.98
Outdoor Fan I	Motor Fu	ll load amps	1	1	1.8	1.7	1.8
	Locked	l rotor amps	1.9	1.9	2.9	3.2	2.9
CONTROL	S - ORDER SEPARAT	ELY					
iComfort® E30	Smart Wi-Fi Thermostat	20A65	•	•	•	•	•
Remote Outdo	oor Temperature Sensor	X2658	•	•	•	•	•
OPTIONA	L ACCESSORIES - OR	DER SEF	PARATELY				
Compressor C	Crankcase Heater	93M04	•	•			
		93M06			•	•	
		Factory					•
Compressor H	Hard Copeland			•		•	
Start Kit	LG	88M91	•	•	•	•	•
Compressor L	LO Low Ambient Cut-Off Switch	45F08	•	•	•	•	•
	Fimed-Off Control	47J35	•	•	•	•	•
Freezestat	3/8 in. tubing	93G35	•	•	•	•	•
	5/8 in. tubing	50A93	•	•	•	•	•
Indoor Blowe	r Off Delay Relay	58M81	•	•	•	•	•
Loss of Charg		84M23	•	•	•	•	•
	t Kit (Fan Cycling)	34M72	•	•	•	•	•
Refrigerant	L15-65-30	L15-65-40	-	•	•	•	-
Line Sets	L10-00-00	L15-65-50					
	Fie	Id Fabricate					•
							-

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

<sup>1</sup> 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.

<sup>2</sup> HACR type breaker or fuse.

<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

<sup>4</sup> Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

#### SOUND DATA

<sup>1</sup> Unit	Octav	ve Band		ower Lev Frequen		<sup>1</sup> Sound Rating		ssure Level at at distance in ft.)					
Model	125	250	500	1000	2000	4000	8000	Number (dBA)	3	5	10	15	50
018	55	61	67	68	63.5	59	50.5	72	65	60	54	51	40
024	55	62	67.5	66.5	63	59	52.5	72	65	60	54	51	40
030	54	61.5	66	66	62	57	51	71	64	59	53	50	39
036	56	66	69	67	62.5	57.5	50.5	73	66	61	55	52	41
041	54.5	62.5	67.5	67	62.5	58.5	52.5	72	65	60	54	51	40
042	55.5	62.5	68	67	62	57.5	51.5	72	65	60	54	51	40
047	55	62	67	66.5	62.5	57.5	49.5	72	65	60	54	51	40
048	55.5	64.5	70	71	65	60.5	54	75	68	63	57	54	43
060	55.5	62.5	67	66.5	62.5	60	53.5	73	66	61	55	52	41

NOTE - The octave sound power data does not include tonal correction.

<sup>1</sup> Tested according to AHRI Standard 270-2008 test conditions.

<sup>2</sup> 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 9.8 feet. Sound pressure levels will increase based on changes to assumptions. For other applications, refer to AHRI Standard 275.

#### **FIELD WIRING**



A - Two Wire Power (not furnished)

B - Two Power (not furnished). See Electrical Data

C - Four Wire Low Voltage (not furnished). 18 ga. minimum

D - Five Wire Low Voltage (not furnished). 18 ga. minimum

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. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.





(Small Base)





EL16XC1-024 TO -060 BASE SECTION (Medium and Large Base)

Model No.		A	В		С		D		E		F		G		н		J		ĸ	
woder no.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
EL16XC1-018	31	787	27	686	28	711														
EL16XC1-024	31	787	30-1/2	775	35	889	13-7/8	352	7-3/4	197	3-1/4	83	27-1/8	689	3-5/8	92	4-1/2	114	20-5/8	524
EL16XC1-030	39	991	30-1/2	775	35	889	13-7/8	352	7-3/4	197	3-1/4	83	27-1/8	689	3-5/8	92	4-1/2	114	20-5/8	524
EL16XC1-036 / EL16XC1S036	31	787	30-1/2	775	35	889	13-7/8	352	7-3/4	197	3-1/4	83	27-1/8	689	3-5/8	92	4-1/2	114	20-5/8	524
EL16XC1-041	35	889	30-1/2	775	35	889	13-7/8	352	7-3/4	197	3-1/4	83	27-1/8	689	3-5/8	92	4-1/2	114	20-5/8	524
EL16XC1-042	39	991	30-1/2	775	35	889	13-7/8	352	7-3/4	197	3-1/4	83	27-1/8	689	3-5/8	92	4-1/2	114	20-5/8	524
EL16XC1-047	35	889	35-1/2	902	39-1/2	1003	16-7/8	429	8-3/4	222	3-1/8	79	30-3/4	781	4-5/8	117	3-3/4	95	26-7/8	683
EL16XC1-048	39	991	30-1/2	775	35	889	13-7/8	352	7-3/4	197	3-1/4	83	27-1/8	689	3-5/8	92	4-1/2	114	20-5/8	524
EL16XC1-060	45	1143	35-1/2	902	39-1/2	1003	16-7/8	429	8-3/4	222	3-1/8	79	30-3/4	781	4-5/8	117	3-3/4	95	26-7/8	683

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#### **TXV/ORIFICE USAGE**

# Use this table for C35, CH23, CH35 and CR33 Field Installed TXV/Orifice Match-Ups

Model No.	Refrigerant N Orifice (RFC)	Thermal Expansion	
	Order No.	Orifice Size	Valve (TXV)
EL16XC1-018	97M74	0.053	12J18
EL16XC1-024	97M75	0.057	12J18
EL16XC1-030	10W99	0.065	12J18
EL16XC1-036 EL16XC1S036	11W02	0.073	12J19
EL16XC1-041	97M77	0.074	12J20
EL16XC1-042	97M78	0.076	12J20
EL16XC1-047	10W86	0.080	12J20
EL16XC1-048	11W07	0.083	12J20
EL16XC1-060	10M13	0.097	12J20

CX35 and CHX35 coils and all Lennox air handlers are shipped with a factory installed TXV. In most cases, no change out of the valve is needed. If a change out is required it will be listed in the "TXV SUBSTITUTIONS" table by size. The correct TXV must be ordered separately and field installed. C35 and CH35 coils - Use the RFC orifice shipped with the outdoor unit or replace the factory installed RFC orifice with the expansion valve listed. CR33 and CH23 coils - Use the RFC orifice shipped with the outdoor unit or use the expansion valve listed.

#### 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, i.e., 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.

#### **TXV SUBSTITUTION**

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

Outdo	or Unit	Indoo	r Unit	TXV	тхv
Size	Tons	Size	Tons	Furnished	Replacement
018	1.5	30/36	2.5/3	12J19	12J18
018	1.5	36	3	12J19	12J18
018	1.5	42	3.5	12J20	12J18
018	1.5	48	4	12J20	12J18
018	1.5	49	4	12J20	12J18
018	1.5	50/60	4/5	12J20	12J18
018	1.5	51/61	4/5	12J20	12J18
018	1.5	60	5	12J20	12J18
024	2	42	3.5	12J20	12J18
024	2	48	4	12J20	12J18
024	2	49	4	12J20	12J18
024	2	50/60	5	12J20	12J18
024	2	51/61	5	12J20	12J18
024	2	60	5	12J20	12J18
030	2.5	42	3.5	12J20	12J18
030	2.5	43	3.5	12J20	12J18
030	2.5	48	4	12J20	12J18
030	2.5	49	4	12J20	12J18
036	3	24	2	12J18	12J19
036	3	30	2.5	12J18	12J19
042	3.5	24	2	12J18	12J20
042	3.5	30	2.5	12J18	12J20
042	3.5	30/36	3	12J19	12J20
042	3.5	36	3	12J19	12J20
048	4	30/36	2.5/3	12J19	12J20
048	4	36	3	12J19	12J20

#### TXV Ranges:

12J18 - 1.5 to 2.5 ton systems - Use on 2.5 ton (030) and lower systems.

12J19 - 3 ton systems - Use down to 2 ton (024) systems.

12J20 - 3.5 to 5 ton systems - Use down to 3 ton (036) systems.

#### REVISIONS

Sections	Description of Change
Optional Accessories	Updated.
TXV Substitutions	Updated.









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