



ENGINEERING DATA

R-410A - Two-Stage Compressor - SilentComfort™ Technology

XC16

ELITE® SERIES

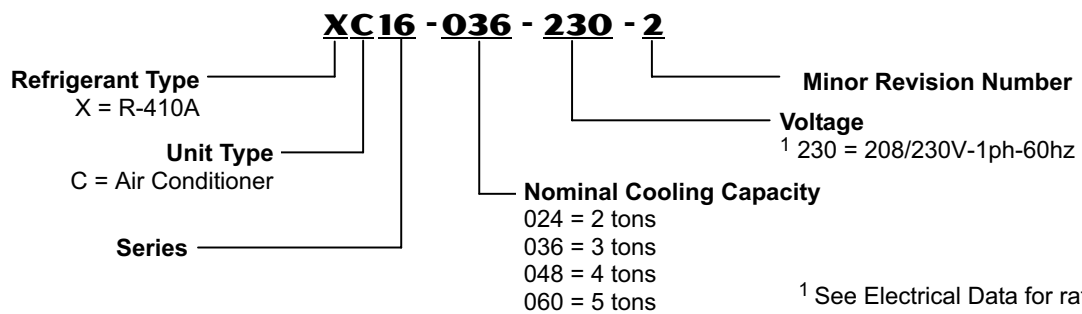
Bulletin No. 210465
May 2006



SEER - up to 16.50
2 to 5 Tons

Cooling Capacity - 23,400 to 60,000 Btuh

MODEL NUMBER IDENTIFICATION



FEATURES

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EQUIPMENT WARRANTY

Compressor - limited warranty for **ten years** in residential installations and five years in non-residential installations.

All other covered components - **five years** in residential installations and one year in non-residential installations.

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

APPROVALS

Certified in accordance with USE certification program which is based on ARI Standard 210/240-2005.

Sound rated in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95.

Tested in the Lennox Research Laboratory environmental test room.

Rated according to U.S. Department of Energy (DOE) test procedures.

Air conditioners and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.

Units are UL and ULC listed.

ISO 9001 Registered Manufacturing Quality System.

ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.

APPLICATIONS

SEER up to 16.50.

2 through 5 ton.

Single phase power supply.

Sound levels as low as 74 dB.

Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.

Matching add-on furnace indoor coils or air handlers provide a wide range of cooling capacities and applications. See ARI Ratings tables.

See Indoor Coils and Air Handlers tab sections for data.

Units shipped completely factory assembled, piped, and wired. Each unit is test operated at the factory insuring proper operation.

Installer must set air conditioner, connect refrigerant lines, and make electrical connections to complete job.

For expanded ratings, see www.lennox.com.

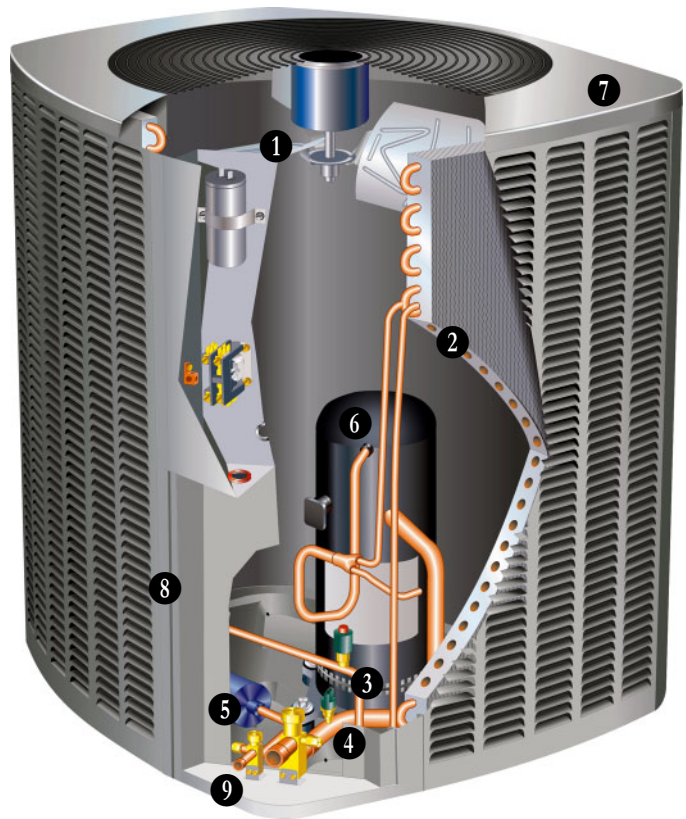
REFRIGERATION SYSTEM

Refrigerant

Non-chlorine, ozone friendly, R-410A.

Unit pre-charged with refrigerant.

See Specification table.



1 Outdoor Coil Fan

Direct drive fan moves large air volumes uniformly through entire condenser coil for high refrigerant cooling capacity.

Vertical air discharge minimizes operating sounds and eliminates damage to lawn and shrubs.

Fan motor has sleeve bearings and is inherently protected.

Motor totally enclosed for maximum protection from weather, dust and corrosion

Fan guard constructed of corrosion-resistant PVC (polyvinyl chloride) coated steel.

Fan service access accomplished by removal of fan guard.

2 Copper Tube/Enhanced Fin Coil

Lennox designed and fabricated coil.

Ripple-edged aluminum fins.

Copper tube construction.

Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer.

Fin collars grip tubing for maximum contact area.

Flared shoulder tubing connections/silver soldering construction.

Coil is factory tested under high pressure to insure leakproof construction.

Entire coil is accessible for cleaning.

3 High Pressure Switch

Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.

Protects compressor from excessive condensing pressure.

Manual reset.

FEATURES

REFRIGERATION SYSTEM (CONTINUED)

4 Low Pressure Switch

Shuts off unit if suction pressure falls below setting. Provides loss of charge and freeze-up protection. Automatic reset.

5 Hi-Capacity Liquid Line Drier

Factory installed in the liquid line, the drier traps moisture or dirt that could contaminate the refrigerant system. 100% molecular-sieve bead type drier.

OPTIONS

Expansion Valve Kits

Must be ordered extra and field installed on certain indoor units. See ARI Ratings tables. Chatleff style fitting.

Freezestat

Installs on or near the discharge line of the indoor coil or on the suction line.

Senses suction line temperature and cycles the compressor off when suction line temperature falls below its setpoint.

Opens at 29°F and closes at 58°F.

Refrigerant Line Kits

Refrigerant lines (suction & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized, and sealed at factory.

Suction line fully insulated.

L15 lines are stubbed at both ends.

See Specifications table for selection.

Not available for -060 model and must be field fabricated.

COMPRESSOR

6 Copeland Scroll Ultra Tech™ Two-Stage Compressor

Compressor features high efficiency with uniform suction flow, constant discharge flow and high volumetric efficiency and quiet operation.

Compressor consists of two involute spiral scrolls matched together to 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 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.

Scroll 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.

On the fixed scroll there are two bypass ports in the first suction pocket. On the outside of the fixed scroll there is a "slider ring" that is controlled by an internal solenoid that will rotate and cover the bypass ports. When the thermostat calls for first-stage cooling, the bypass ports are open and the compressor operates at 67% capacity, creating more cost-effective and efficient compressor operation. The bypassed refrigerant is returned to the compressor housing through the bypass ports. When the thermostat calls for second-stage cooling, the internal solenoid is energized, the slider ring rotates and covers the bypass ports, and the compressor operates at full capacity.

Low gas pulses during compression reduces operational sound levels.

Compressor motor is internally protected from excessive current and temperature.

Compressor is installed in the unit on specially formulated, resilient rubber mounts for better sound dampening and vibration free operation.

Crankcase Heater

Crankcase heater prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication.

OPTIONS

Compressor Hard Start Kit

Single-phase units are equipped with a PSC compressor motor.

This type of motor normally does not need a potential relay and start capacitor.

In conditions such as low voltage, kit may be required to increase the compressor starting torque.

Hard start kit is required in applications where the supply voltage is less than 230V.

FEATURES

CONTROLS

OPTIONS

SignatureStat™ Home Comfort Control

Combination temperature and humidity control.

2 Heat/2 Cool

Auto-changeover

Controls humidity during cooling operation.

Easy-to-use, menu driven thermostat with a back-lit, dot-matrix LCD screen.

Remote outdoor sensor (furnished) allows the thermostat to display outdoor temperature and adjust indoor dewpoint temperature for precision humidity control.

See the SignatureStat Engineering Handbook bulletin in the Controls section for more information.

See Controls section and Lennox Price Book for additional thermostats.

Indoor Blower Speed Relay Kit

Relay kit provides optimum humidity control conditions by automatically reducing indoor blower speed during continuous fan or first-stage compressor operation.

Time Delay Relay Kit

Delays the indoor blower-off time during the cooling cycle. See ARI Rating Tables for usage.

Low Ambient Kit

Air conditioner will operate satisfactorily down to 45°F outdoor air temperature without any additional controls.

Kit can be added in the field enabling unit to operate properly down to 30°F.

Freezestat should be installed on compressors equipped with a low ambient kit.

A compressor lock-out thermostat should be added to terminate compressor operation below recommended operation conditions (on/off operation, 30°F or modulating operation, 0°F).



7 CABINET

Heavy-gauge steel construction

Pre-painted cabinet finish.

Painted base section.

Control box is conveniently located with all controls factory wired.

Large removable panel provides service access.

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.

8 SmartHinge™ 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.



Refrigerant Line Connections, Electrical Inlets and Service Valves

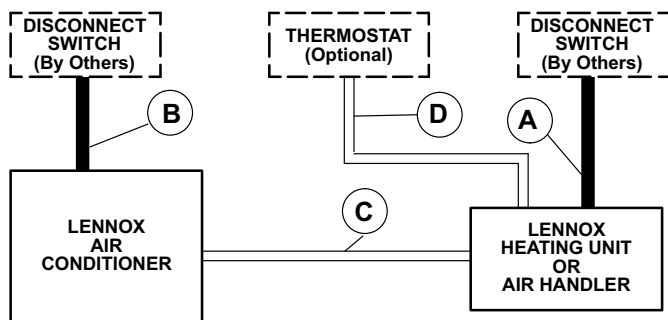
Suction and liquid lines are located on corner of unit cabinet and are made with sweat connections. See dimension drawing.

9 Fully serviceable brass service valves prevent corrosion and provide access to refrigerant system. Suction valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system.

Suction and liquid line service valves and gauge ports are located inside the cabinet.

Refrigerant line connections and field wiring inlets are located in one central area of the cabinet. See dimension drawing.

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 — Six Wire Low Voltage (not furnished) — 18 ga. minimum

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

SPECIFICATIONS

General Data		Model No.	XC16-024	XC16-036	XC16-048	XC16-060
Nominal Tonnage			2	3	4	5
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.		3/4	7/8	7/8	1-1/8
Refrigerant	¹ R-410A charge furnished		7 lbs. 5 oz.	8 lbs. 9 oz.	11 lbs. 4 oz.	14 lbs. 2 oz.
Outdoor Coil	Net face area - sq. ft.	Outer coil	13.22	16.33	21.00	24.93
		Inner coil	12.65	15.76	20.27	24.14
		Tube diameter - in.	5/16	5/16	5/16	5/16
		No. of rows	2	2	2	2
		Fins per inch	22	22	22	22
Outdoor Fan	Diameter - in.		18	22	22	26
	No. of blades		3	4	4	3
	Motor hp		1/10	1/6	1/4	1/3
	Cfm		2320	3060	3955	4380
	Rpm		1130	845	835	850
	Watts		165	215	320	280
Shipping Data - lbs. 1 pkg.			208	238	268	323

ELECTRICAL DATA

Line voltage data - 60hz			⁴ 230V-1ph	⁴ 230V-1ph	⁴ 230V-1ph	⁴ 230V-1ph
² Maximum overcurrent protection (amps)			20	35	45	55
³ Minimum circuit ampacity			13.6	22.0	28.2	33.9
Compressor	Rated load amps		10.3	16.7	21.2	25.6
	Locked rotor amps		52	82	96	118
	Power factor		0.98	0.99	0.99	0.99
Outdoor Fan Motor	Full load amps		0.7	1.1	1.7	1.8
	Locked Rotor amps		2	2.1	3.1	2.9

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Compressor Hard Start Kit - Required in applications with less than 230V	10J42	•	•		
	81J69			•	•
Compressor Low Ambient Cut-Off	45F08	•	•	•	•
Compressor Time-Off Control	47J27	•	•	•	•
Freezestat	3/8 in. tubing	93G35	•	•	•
	5/8 in. tubing	50A93	•	•	•
Indoor Blower Relay	40K58	•	•	•	•
Low Ambient Kit	68M04	•	•	•	•
SignatureStat™ Home Comfort Control	81M27	•	•	•	•
Refrigerant Line Sets	L15-41-20	L15-41-40	•		
	L15-41-30	L15-41-50			
	L15-65-30	L15-65-40		•	•
		L15-65-50			
	Field Fabricate				•
Time Delay Relay	58M81	•	•	•	•

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.

² HACR type breaker or fuse.

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

⁴ Hard start kit is required in applications where the supply voltage is less than 230V.

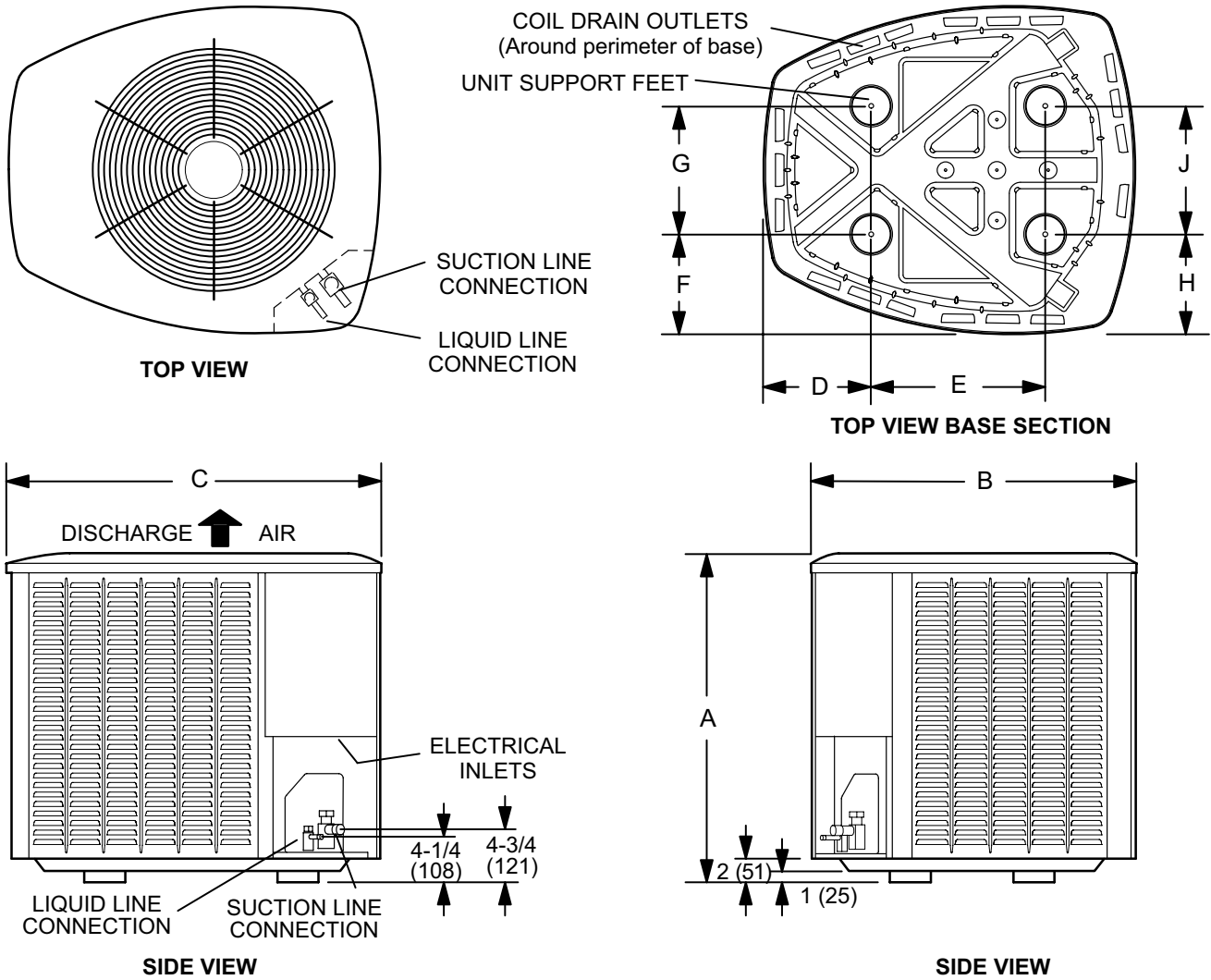
OUTDOOR SOUND DATA

¹ Unit Model No.	Octave Band Sound Power Levels dBA, re 10 ⁻¹² Watts								¹ Sound Rating Number (dB)
	Center Frequency - HZ								
	63	125	250	500	1000	2000	4000	8000	
XC16-024	75.5	73	71.5	73	68.5	63	60.5	61.5	74
XC16-036	81.5	70.5	72.5	73.5	68.5	64.5	60.5	60	76
XC16-048	81.5	72	72	72.5	68.5	64.5	59.5	56.5	76
XC16-060	79	71	70.5	76.5	71	65	61.5	57.5	78

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

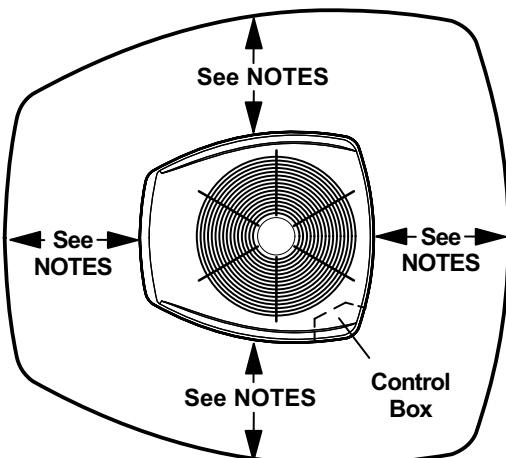
¹ Tested according to ARI Standard 270-95 test conditions.

DIMENSIONS – INCHES (MM)



Model No.	A		B		C		D		E		F		G		H		J	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
XC16-024	31	787	27	686	28	711	5-1/2	140	13-1/2	343	8-3/4	222	8-1/2	216	8-1/4	210	9-1/2	241
XC16-036	31	787	30-1/2	775	35	889	8-3/4	222	18	457	9	229	8-1/2	216	9	229	9-1/2	241
XC16-048	39	991	30-1/2	775	35	889	8-3/4	222	18	457	9	229	11-1/2	292	9	229	11-1/2	292
XC16-060	39	991	35-1/2	902	39-3/8	1000	11	279	18	457	10-1/2	267	13-1/2	343	10-1/2	267	13-1/2	343

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.

ARI RATINGS - INDOOR COIL / AIR HANDLER SUBSTITUTION

Substituting Coils in the ARI Tables

Most R-22 and R-410A indoor coils and air handlers are the same except for the factory installed expansion device. C33 coils can be used in place of the CX34 coils, CB26UH, CB30M and CB31MV air handlers can be used in place of the CB26XUH, CBX32M and CBX32MV, respectively.

The expansion device is based on the size of the outdoor unit. The factory installed RFC or TXV on the C33/CB26UH/CB31MV/CB30M must be replaced to correspond to the outdoor unit. The correct TXV's are:

2-3 ton air conditioners **37L51**
 4-5 ton air conditioners **91M02**

Example:

A four-ton air conditioner is being installed. The ARI table shows that CBX32MV-048 is a matching air handler. A CB31MV-51 with a 91M02 TXV can be used in its place.

UP-FLOW COILS	
R-410A	R-22
CX34-18/24A-6F	= C33-24A-2
CX34-18/24B-6F	= C33-24B-2
CX34-18/24C-6F	= C33-24C-2
CX34-19A-6F	= C33-19A-2
CX34-25A-6F	= C33-25A-2
CX34-25B-6F	= C33-25B-2
CX34-30A-6F	= C33-30A-2
CX34-30B-6F	= C33-30B-2
CX34-30C-6F	= C33-30C-2
CX34-31A-6F	= C33-31A-2
CX34-31B-6F	= C33-31B-2
CX34-36A-6F	= C33-36A-2
CX34-36B-6F	= C33-36B-2
CX34-36C-6F	= C33-36C-2
CX34-38A-6F	= C33-38A-2
CX34-38B-6F	= C33-38B-2
CX34-42B-6F	= C33-42B-2
CX34-43B-6F	= C33-43B-2
CX34-43C-6F	= C33-43C-2
no equivalent	C33-44C-2
CX34-44/48B-6F	= C33-48B-2
CX34-44/48C-6F	= C33-48C-2
CX34-49C-6F	= C33-49C-2
CX34-50/60C-6F	= C33-50/60C-2
CX34-60D-6F	= C33-60D-2
CX34-62C-6F	= C33-62C-2
CX34-62D-6F	= C33-62D-2

AIR HANDLERS	
R-410A	R-22
CBX26UH-018	= CB26UH-018
CBX26UH-024	= CB26UH-024
CBX26UH-030	= CB26UH-030
CBX26UH-036	= CB26UH-036
CBX26UH-042	= CB26UH-042
CBX26UH-048	= CB26UH-048
CBX26UH-060	= CB26UH-060
CBX32M-018/024	= CB30M-21/26
CBX32M-030	= CB30M-31
CBX32M-036	= CB30M-41
CBX32M-042	= CB30M-46
CBX32M-048	= CB30M-51
CBX32M-060	= CB30M-65
CBX32MV-018/024	no equivalent
CBX32MV-024/030	no equivalent
CBX32MV-036	= CB31MV-41
CBX32MV-048	= CB31MV-51
CBX32MV-060	= CB31MV-65
CBX32MV-068	no equivalent

ARI RATINGS

¹ ARI Standard 210/240 Ratings

Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device
	SEER	EER			
XC16-024					2 TON
Up-Flow Indoor Coils				Up-Flow Coils	
23,400	14.00	11.50	2035	³ CX34-19A-6F	Factory TXV
24,000	14.00	11.50	2080	³ CX34-36A/B/C-6F	Factory TXV
24,200	14.20	11.50	2080	³ CX34-38A/B-6F	Factory TXV
24,200	14.20	11.50	2085	³ CX34-25A/B-6F	Factory TXV
24,600	14.20	11.70	2085	³ CX34-31A/B-6F	Factory TXV
Up-Flow Indoor Coils + Furnace				Up-Flow Coils + Furnace	
23,800	15.50	12.50	1905	CX34-30C-6F	⁴ G61MPV-36C-090 Factory TXV
24,000	15.20	12.20	1930	CX34-30B-6F	⁴ G61MPV-36B-070 Factory TXV
24,000	15.20	12.20	1940	CX34-30B-6F	⁴ G61MPV-36B-045 Factory TXV
24,000	15.50	12.20	1930	CX34-30A-6F	⁴ G60UHV-36A-070 Factory TXV
24,000	15.50	12.50	1905	CX34-30B-6F	⁴ G60UHV-36B-090 Factory TXV
24,400	15.70	12.50	1935	CX34-19A-6F	⁴ G60UHV-36A-070 Factory TXV
24,600	15.70	12.50	1950	CX34-36B-6F	⁴ G61MPV-36B-045 Factory TXV
24,600	15.70	12.70	1940	CX34-36B-6F	⁴ G61MPV-36B-070 Factory TXV
24,600	16.00	12.70	1915	⁵ CX34-36B-6F	⁴ G60UHV-36B-090 Factory TXV
24,800	15.70	12.70	1950	CX34-38B-6F	⁴ G61MPV-36B-045 Factory TXV
24,800	15.70	12.70	1955	CX34-25B-6F	⁴ G61MPV-36B-045 Factory TXV
24,800	16.00	12.70	1915	CX34-38B-6F	⁴ G60UHV-36B-090 Factory TXV
24,800	16.00	12.70	1940	CX34-25B-6F	⁴ G61MPV-36B-070 Factory TXV
24,800	16.00	12.70	1940	CX34-38A-6F	⁴ G60UHV-36A-070 Factory TXV
24,800	16.00	12.70	1940	CX34-25A-6F	⁴ G60UHV-36A-070 Factory TXV
24,800	16.20	12.70	1915	CX34-25B-6F	⁴ G60UHV-36B-090 Factory TXV
25,000	16.00	12.70	1930	CX34-36C-6F	⁴ G61MPV-36C-090 Factory TXV
25,000	16.00	12.70	1955	CX34-31B-6F	⁴ G61MPV-36B-045 Factory TXV
25,000	16.00	12.70	1970	CX34-36A-6F	⁴ G60UHV-36A-070 Factory TXV
25,000	16.20	12.70	1945	CX34-31A-6F	⁴ G60UHV-36A-070 Factory TXV
25,000	16.20	12.70	1945	CX34-31B-6F	⁴ G61MPV-36B-070 Factory TXV
25,200	16.00	12.50	1990	CX34-38B-6F	⁴ G61MPV-36B-070 Factory TXV
25,200	16.20	13.00	1920	CX34-31B-6F	⁴ G60UHV-36B-090 Factory TXV
Down-Flow Indoor Coils				Down-Flow Coils	
24,400	14.20	11.70	2085	³ CR33-30/36A/B/C-F	² 37L51
Down-Flow Indoor Coils + Furnace				Down-Flow Coils + Furnace	
25,000	16.00	12.70	1945	CR33-30/36B-F	⁴ G61MPV-36B-070 ² 37L51
25,000	16.00	12.70	1955	CR33-30/36B-F	⁴ G61MPV-36B-045 ² 37L51
25,200	16.20	12.70	1960	CR33-30/36A-F	⁴ G60DFV-36A-070 ² 37L51
25,400	16.20	12.70	1970	CR33-30/36B-F	⁴ G60DFV-36B-090 ² 37L51
Horizontal Indoor Coils				Horizontal Coils	
23,600	13.70	11.20	2075	³ CH33-24/30A-2F	² 37L51
24,000	14.00	11.50	2080	³ CH23-41	² 37L51
24,000	14.00	11.50	2080	³ CH33-36B-2F	² 37L51
24,000	14.20	11.50	2080	³ CH33-36A-2F	² 37L51

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.

² Factory installed RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).

³ Blower must be capable of time-off blower delay. Time Delay Relay Kit (58M81) is recommended for field installation.

⁴ Blower control must be set for a time-off blower delay.

⁵ Most popular indoor coil.

ARI RATINGS

1 ARI Standard 210/240 Ratings						
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.		Expansion Device
	SEER	EER				
XC16-024						2 TON
Horizontal Indoor Coils + Furnace				Horizontal Coils + Furnace		
24,200	15.70	12.50	1935	CH33-24/30A-2F	4 G60UHV-36A-070	2 37L51
24,600	15.70	12.50	1950	CH33-36B-2F	4 G61MPV-36B-045	2 37L51
24,600	15.70	12.70	1940	CH33-36B-2F	4 G61MPV-36B-070	2 37L51
24,600	16.00	12.70	1915	CH33-36B-2F	4 G60UHV-36B-090	2 37L51
24,600	16.00	12.70	1940	CH33-36A-2F	4 G60UHV-36A-070	2 37L51
Air Handlers				Air Handlers		
24,400	14.20	11.70	2070	3 CB30U-21/26 (Up-Flow)		2 37L51
24,400	14.20	11.70	2075	3 CBX32M-018/024 (Multi-Position)		Factory TXV
24,600	15.20	12.20	2010	4 CBX32MV-018/024 (Multi-Position)		Factory TXV
24,800	15.70	12.50	1985	4 CBX32MV-024/030 (Multi-Position)		Factory TXV
24,800	15.00	12.20	2025	CBX26UH-024 (Up-Flow / Horizontal)		Factory TXV
XC16-036						3 TON
Up-Flow Indoor Coils				Up-Flow Coils		
33,000	13.70	10.95	3020	3 CX34-36A/B/C-6F		Factory TXV
33,000	13.70	10.95	3020	3 CX34-42B-6F		2 37L51
33,600	14.00	11.00	3030	3 CX34-38A/B-6F		Factory TXV
33,800	14.00	11.00	3030	3 CX34-44/48B/C-6F		2 37L51
34,400	14.20	11.20	3040	3 CX34-43B/C-6F		2 37L51
Up-Flow Indoor Coils + Furnace				Up-Flow Coils + Furnace		
33,200	15.00	11.20	2970	CX34-36B-6F	4 G61MPV-36B-045	Factory TXV
33,200	15.00	11.20	2970	CX34-42B-6F	4 G61MPV-36B-045	2 37L51
33,200	15.20	11.20	2925	CX34-36B-6F	4 G61MPV-36B-070	Factory TXV
33,200	15.20	11.20	2925	CX34-42B-6F	4 G61MPV-36B-070	2 37L51
33,200	15.20	11.50	2855	CX34-36C-6F	4 G61MPV-36C-090	Factory TXV
33,400	15.20	11.20	2925	CX34-36A-6F	4 G60UHV-36A-070	Factory TXV
33,400	15.50	11.50	2865	CX34-36B-6F	4 G60UHV-36B-090	Factory TXV
33,400	15.50	11.50	2865	CX34-42B-6F	4 G60UHV-36B-090	2 37L51
33,800	15.20	11.20	2980	CX34-38B-6F	4 G61MPV-36B-045	Factory TXV
33,800	15.20	11.50	2935	CX34-38B-6F	4 G61MPV-36B-070	Factory TXV
33,800	15.50	11.70	2870	CX34-36C-6F	4 G60UHV-60C-110	Factory TXV
34,000	15.50	11.50	2935	CX34-38A-6F	4 G60UHV-36A-070	Factory TXV
34,000	15.50	11.50	2940	CX34-48B-6F	4 G61MPV-36B-070	2 37L51
34,000	15.70	11.70	2880	CX34-36C-6F	4 G60UHV-60C-090	Factory TXV
34,200	15.20	11.20	2985	CX34-48B-6F	4 G61MPV-36B-045	2 37L51
34,200	15.70	11.70	2865	CX34-48C-6F	4 G61MPV-36C-090	2 37L51
34,200	15.70	11.70	2865	C33-44C	4 G61MPV-36C-090	2 37L51
34,200	15.70	11.70	2875	CX34-38B-6F	4 G60UHV-36B-090	Factory TXV
34,400	16.00	12.00	2855	CX34-48B-6F	4 G60UHV-36B-090	2 37L51
34,600	15.70	11.70	2945	CX34-43B-6F	4 G61MPV-36B-070	2 37L51
34,800	15.50	11.50	2990	CX34-43B-6F	4 G61MPV-36B-045	2 37L51
34,800	16.00	12.00	2890	C33-44C	4 G60UHV-60C-090	2 37L51
34,800	16.00	12.20	2855	C33-44C	4 G60UHV-60C-110	2 37L51
34,800	16.20	12.20	2850	CX34-48C-6F	4 G60UHV-60C-110	2 37L51
35,000	16.00	12.00	2885	CX34-43B-6F	4 G60UHV-36B-090	2 37L51
35,000	16.00	12.00	2895	CX34-48C-6F	4 G60UHV-60C-090	2 37L51
35,200	16.00	12.00	2890	5 CX34-43C-6F	4 G60UHV-60C-110	2 37L51
35,200	16.00	12.00	2920	CX34-43C-6F	4 G61MPV-36C-090	2 37L51
35,400	16.20	12.20	2900	CX34-43C-6F	4 G60UHV-60C-090	2 37L51

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.

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³ Blower must be capable of time-off blower delay. Time Delay Relay Kit (58M81) is recommended for field installation.

⁴ Blower control must be set for a time-off blower delay.

⁵ Most popular indoor coil.

ARI RATINGS

1 ARI Standard 210/240 Ratings							
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device		
	SEER	EER					
XC16-036					3 TON		
Down-Flow Indoor Coils				Down-Flow Coils			
33,000	13.70	10.95	3020	3 CR33-48B/C-F		2 37L51	
33,400	14.00	11.00	3025	3 CR33-30/36A/B/C-F		2 37L51	
Down-Flow Indoor Coils + Furnace				Down-Flow Coils + Furnace			
33,600	15.20	11.20	2935	CR33-30/36B-F	4 G61MPV-36B-070	2 37L51	
33,600	15.20	11.20	2965	CR33-30/36A-F	4 G60DFV-36A-070	2 37L51	
33,600	15.20	11.20	2975	CR33-30/36B-F	4 G61MPV-36B-045	2 37L51	
33,800	15.50	11.70	2860	CR33-30/36C-F	4 G61MPV-36C-090	2 37L51	
33,800	15.70	11.70	2850	CR33-30/36B-F	4 G60DFV-36B-090	2 37L51	
Horizontal Indoor Coils				Horizontal Coils			
33,000	13.70	10.95	3020	3 CH33-36B-2F		2 37L51	
33,400	14.00	11.00	3025	3 CH33-36C-2F		2 37L51	
33,800	14.00	11.00	3030	3 CH23-65		2 37L51	
33,800	14.00	11.00	3030	3 CH33-42B-2F		2 37L51	
34,200	14.20	11.20	3035	3 CH33-44/48B-2F		2 37L51	
34,200	14.20	11.20	3035	3 CH33-48C-2F		2 37L51	
Horizontal Indoor Coils + Furnace				Horizontal Coils + Furnace			
33,000	15.20	11.20	2925	CH33-36B-2F	4 G61MPV-36B-070	2 37L51	
33,200	15.00	11.20	2970	CH33-36B-2F	4 G61MPV-36B-045	2 37L51	
33,400	15.50	11.50	2865	CH33-36B-2F	4 G60UHV-36B-090	2 37L51	
33,800	15.50	11.70	2860	CH33-36C-2F	4 G61MPV-36C-090	2 37L51	
34,000	15.50	11.50	2940	CH33-42B-2F	4 G61MPV-36B-070	2 37L51	
34,000	15.20	11.20	2980	CH33-42B-2F	4 G61MPV-36B-045	2 37L51	
34,200	15.70	11.70	2875	CH33-36C-2F	4 G60UHV-60C-110	2 37L51	
34,200	15.70	11.70	2875	CH33-42B-2F	4 G60UHV-36B-090	2 37L51	
34,400	15.50	11.50	2985	CH33-44/48B-2F	4 G61MPV-36B-045	2 37L51	
34,400	15.70	11.70	2885	CH33-36C-2F	4 G60UHV-60C-090	2 37L51	
34,400	15.70	11.70	2945	CH33-44/48B-2F	4 G61MPV-36B-070	2 37L51	
34,600	15.70	12.00	2870	CH33-48C-2F	4 G61MPV-36C-090	2 37L51	
34,600	16.00	12.00	2880	CH33-44/48B-2F	4 G60UHV-36B-090	2 37L51	
35,200	16.00	12.20	2890	CH33-48C-2F	4 G60UHV-60C-110	2 37L51	
35,400	16.20	12.20	2895	CH33-48C-2F	4 G60UHV-60C-090	2 37L51	
Air Handlers				Air Handlers			
33,600	14.70	11.20	2935	3 CBX32M-030 (Multi-Position)		Factory TXV	
33,800	14.70	11.20	2950	3 CBX32M-036 (Multi-Position)		Factory TXV	
33,800	15.70	11.70	2885	4 CBX32MV-024/030 (Multi-Position)		Factory TXV	
34,000	14.70	11.50	2920	3 CBX32M-042 (Multi-Position)		2 37L51	
34,000	14.70	11.50	2945	CBX26UH-030 (Up-Flow / Horizontal)		Factory TXV	
34,200	14.50	11.50	2955	CBX26UH-036 (Up-Flow / Horizontal)		Factory TXV	
34,200	14.50	11.50	2975	3 CB30U-41/46 (Up-Flow)		2 37L51	
34,200	16.00	11.70	2885	4 CBX32MV-036 (Multi-Position)		Factory TXV	
35,200	16.50	12.50	2820	4 CBX32MV-048 (Multi-Position)		2 37L51	

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ARI RATINGS

1 ARI Standard 210/240 Ratings						
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.		Expansion Device
	SEER	EER				
XC16-048						4 TON
Up-Flow Indoor Coils				Up-Flow Coils		
45,500	13.70	11.20	4005	3 CX34-44/48B/C-6F		2 91M02
46,500	13.70	11.20	4055	3 CX34-50/60C-6F		2 91M02
46,500	14.00	11.50	4020	3 CX34-60D-6F		2 91M02
47,000	14.20	11.50	4030	3 CX34-62D-6F		2 91M02
47,000	14.20	11.70	4025	3 CX34-49C-6F		2 91M02
47,500	14.20	11.70	4035	3 CX34-62C-6F		2 91M02
Up-Flow Indoor Coils + Furnace				Up-Flow Coils + Furnace		
45,500	14.50	11.50	3920	C33-44C	4 G61MPV-60C-110	2 91M02
45,500	14.50	11.50	3925	CX34-44/48C-6F	4 G61MPV-60C-110	2 91M02
45,500	14.70	11.50	3925	C33-44C	4 G61MPV-60C-090	2 91M02
45,500	14.70	11.50	3930	CX34-44/48C-6F	4 G61MPV-60C-090	2 91M02
45,500	14.70	11.70	3880	C33-44C	4 G60UHV-60C-110	2 91M02
45,500	15.00	11.70	3880	CX34-44/48C-6F	4 G60UHV-60C-110	2 91M02
45,500	15.00	11.70	3880	C33-44C	4 G60UHV-60C-090	2 91M02
46,000	14.70	11.70	3930	CX34-50/60C-6F	4 G61MPV-60C-110	2 91M02
46,000	15.00	11.70	3930	CX34-50/60C-6F	4 G61MPV-60C-090	2 91M02
46,000	15.00	11.70	3885	CX34-44/48C-6F	4 G60UHV-60C-090	2 91M02
46,500	15.00	11.70	3885	CX34-50/60C-6F	4 G60UHV-60C-110	2 91M02
46,500	15.20	11.70	3890	CX34-50/60C-6F	4 G60UHV-60C-090	2 91M02
47,000	15.50	12.20	3850	CX34-60D-6F	4 G61MPV-60D-135	2 91M02
47,000	15.70	12.20	3800	CX34-60D-6F	4 G60UHV-60D-135	2 91M02
47,500	15.00	12.00	3905	CX34-49C-6F	4 G61MPV-60C-110	2 91M02
47,500	15.20	12.00	3915	CX34-49C-6F	4 G61MPV-60C-090	2 91M02
47,500	15.50	12.20	3855	CX34-62D-6F	4 G61MPV-60D-135	2 91M02
47,500	15.50	12.20	3865	CX34-49C-6F	4 G60UHV-60C-110	2 91M02
47,500	15.50	12.20	3870	CX34-49C-6F	4 G60UHV-60C-090	2 91M02
47,500	15.70	12.50	3800	CX34-62D-6F	4 G60UHV-60D-135	2 91M02
48,000	15.50	12.20	3915	CX34-62C-6F	4 G61MPV-60C-110	2 91M02
48,000	15.70	12.20	3875	CX34-62C-6F	4 G60UHV-60C-110	2 91M02
48,000	15.70	12.20	3920	CX34-62C-6F	4 G61MPV-60C-090	2 91M02
48,000	16.00	12.00	3955	5 CX34-62C-6F	4 G60UHV-60C-090	2 91M02
Down-Flow Indoor Coils				Down-Flow Coils		
44,500	13.20	11.00	3995	3 CR33-48B/C-F		2 91M02
46,000	13.70	11.20	4010	3 CR33-50/60C-F		2 91M02
46,000	13.70	11.20	4010	3 CR33-60D-F		2 91M02

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⁵ Most popular indoor coil.

ARI RATINGS

1 ARI Standard 210/240 Ratings						
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.		Expansion Device
	SEER	EER				
XC16-048						4 TON
Down-Flow Indoor Coils + Furnace				Down-Flow Coils + Furnace		
44,500	14.20	11.20	3910	CR33-48C-F	4 G61MPV-60C-110	2 91M02
44,500	14.50	11.20	3915	CR33-48C-F	4 G61MPV-60C-090	2 91M02
44,500	14.70	11.70	3810	CR33-48C-F	4 G60DFV-60C-090	2 91M02
45,000	14.70	11.50	3875	CR33-48C-F	4 G60DFV-60C-110	2 91M02
46,000	15.20	11.70	3900	CR33-50/60C-F	4 G61MPV-60C-090	2 91M02
46,500	15.00	11.70	3895	CR33-50/60C-F	4 G61MPV-60C-110	2 91M02
46,500	15.20	12.00	3840	CR33-60D-F	4 G61MPV-60D-135	2 91M02
46,500	15.20	12.00	3860	CR33-50/60C-F	4 G60DFV-60C-110	2 91M02
46,500	15.50	12.00	3840	CR33-60D-F	4 G60DFV-60D-135	2 91M02
47,000	15.20	12.20	3855	CR33-50/60C-F	4 G60DFV-60C-090	2 91M02
Horizontal Indoor Coils				Horizontal Coils		
45,000	13.50	11.20	4000	3 CH23-51		2 91M02
45,500	13.70	11.20	4005	3 CH23-65		2 91M02
46,000	14.00	11.20	4015	3 CH33-48C-2F		2 91M02
46,500	14.00	11.50	4015	3 CH33-60D-2F		2 91M02
47,000	14.00	11.50	4020	3 CH33-62D-2F		2 91M02
47,000	14.20	11.70	4025	3 CH23-68		2 91M02
47,000	14.20	11.70	4025	3 CH33-50/60C-2F		2 91M02
Horizontal Indoor Coils + Furnace				Horizontal Coils + Furnace		
46,500	14.70	11.70	3935	CH33-48C-2F	4 G61MPV-60C-110	2 91M02
46,500	15.00	11.70	3935	CH33-48C-2F	4 G61MPV-60C-090	2 91M02
46,500	15.20	11.70	3890	CH33-48C-2F	4 G60UHV-60C-090	2 91M02
46,500	15.20	11.70	3890	CH33-48C-2F	4 G60UHV-60C-110	2 91M02
47,000	15.00	11.70	3940	CH33-50/60C-2F	4 G61MPV-60C-110	2 91M02
47,000	15.20	11.70	3945	CH33-50/60C-2F	4 G61MPV-60C-090	2 91M02
47,000	15.20	12.00	3900	CH33-50/60C-2F	4 G60UHV-60C-110	2 91M02
47,000	15.50	12.20	3795	CH33-60D-2F	4 G60UHV-60D-135	2 91M02
47,000	15.50	12.20	3795	CH33-62D-2F	4 G60UHV-60D-135	2 91M02
47,000	15.50	12.20	3845	CH33-60D-2F	4 G61MPV-60D-135	2 91M02
47,500	15.50	12.20	3850	CH33-62D-2F	4 G61MPV-60D-135	2 91M02
47,500	15.50	12.20	3900	CH33-50/60C-2F	4 G60UHV-60C-090	2 91M02
Air Handlers				Air Handlers		
46,000	14.20	11.70	3940	3 CB30U-51 (Up-Flow)		2 91M02
47,000	14.70	12.00	3900	3 CBX32M-048 (Multi-Position)		2 91M02
47,000	15.70	12.20	3840	4 CBX32MV-048 (Multi-Position)		2 91M02
47,500	14.50	11.70	3980	3 CBX32M-060 (Multi-Position)		2 91M02
47,500	14.50	11.70	4015	3 CB30U-65 (Up-Flow)		2 91M02
47,500	15.70	12.20	3845	4 CBX32MV-060 (Multi-Position)		2 91M02
47,500	15.70	12.50	3790	4 CBX32MV-068 (Multi-Position)		2 91M02
48,000	14.70	11.70	4030	CBX26UH-042 (Up-Flow / Horizontal)		2 91M02
48,000	14.70	12.00	4000	CBX26UH-048 (Up-Flow / Horizontal)		Factory TXV

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ARI RATINGS

1 ARI Standard 210/240 Ratings						
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device	
	SEER	EER				
XC16-060						5 TON
Up-Flow Indoor Coils				Up-Flow Coils		
57,000	13.50	11.00	5145	3 CX34-50/60C-6F		2 91M02
58,000	13.70	11.20	5160	3 CX34-60D-6F		2 91M02
58,500	13.70	11.20	5165	3 CX34-49C-6F		2 91M02
58,500	13.70	11.20	5165	3 CX34-62D-6F		2 91M02
59,500	14.00	11.50	5180	3 CX34-62C-6F		2 91M02
Up-Flow Indoor Coils + Furnace				Up-Flow Coils + Furnace		
57,000	14.00	11.00	5140	CX34-50/60C-6F	4 G61MPV-60C-110	2 91M02
57,000	14.20	11.00	5125	CX34-50/60C-6F	4 G61MPV-60C-090	2 91M02
57,000	14.20	11.20	5085	CX34-50/60C-6F	4 G60UHV-60C-090	2 91M02
57,000	14.20	11.20	5085	CX34-50/60C-6F	4 G60UHV-60C-110	2 91M02
58,000	14.50	11.20	5115	CX34-49C-6F	4 G61MPV-60C-090	2 91M02
58,500	14.20	11.20	5120	CX34-49C-6F	4 G61MPV-60C-110	2 91M02
58,500	14.70	11.50	5020	CX34-60D-6F	4 G61MPV-60D-135	2 91M02
58,500	14.70	11.50	5065	CX34-49C-6F	4 G60UHV-60C-110	2 91M02
58,500	14.70	11.50	5070	CX34-49C-6F	4 G60UHV-60C-090	2 91M02
59,000	14.70	11.70	5030	CX34-62D-6F	4 G61MPV-60D-135	2 91M02
59,000	15.00	11.70	5025	CX34-60D-6F	4 G60UHV-60D-135	2 91M02
59,500	14.50	11.50	5130	CX34-62C-6F	4 G61MPV-60C-110	2 91M02
59,500	14.70	11.50	5130	CX34-62C-6F	4 G61MPV-60C-090	2 91M02
59,500	15.00	11.70	5080	CX34-62C-6F	4 G60UHV-60C-110	2 91M02
60,000	15.00	11.70	5080	5 CX34-62C-6F	4 G60UHV-60C-090	2 91M02
60,000	15.20	11.70	5035	CX34-62D-6F	4 G60UHV-60D-135	2 91M02
Down-Flow Indoor Coils				Down-Flow Coils		
57,000	13.50	11.00	5150	3 CR33-60D-F		2 91M02
Down-Flow Indoor Coils + Furnace				Down-Flow Coils + Furnace		
57,000	14.50	11.20	5040	CR33-60D-F	4 G61MPV-60D-135	2 91M02
57,500	14.50	11.20	5020	CR33-60D-F	4 G60DFV-60D-135	2 91M02
Horizontal Indoor Coils				Horizontal Coils		
56,000	13.20	10.90	5135	3 CH23-65		2 91M02
57,500	13.70	11.00	5155	3 CH33-60D-2F		2 91M02
58,000	13.70	11.20	5160	3 CH33-50/60C-2F		2 91M02
58,000	13.70	11.20	5160	3 CH33-62D-2F		2 91M02
60,000	13.70	11.20	5245	3 CH23-68		2 91M02
Horizontal Indoor Coils + Furnace				Horizontal Coils + Furnace		
58,000	14.20	11.20	5140	CH33-50/60C-2F	4 G61MPV-60C-090	2 91M02
58,000	14.20	11.20	5155	CH33-50/60C-2F	4 G61MPV-60C-110	2 91M02
58,000	14.50	11.20	5100	CH33-50/60C-2F	4 G60UHV-60C-110	2 91M02
58,000	14.70	11.50	5015	CH33-60D-2F	4 G61MPV-60D-135	2 91M02
58,000	14.70	11.50	5020	CH33-62D-2F	4 G61MPV-60D-135	2 91M02
58,500	14.70	11.20	5100	CH33-50/60C-2F	4 G60UHV-60C-090	2 91M02
58,500	15.00	11.50	5020	CH33-60D-2F	4 G60UHV-60D-135	2 91M02
59,000	15.00	11.70	5025	CH33-62D-2F	4 G60UHV-60D-135	2 91M02
Air Handlers				Air Handlers		
58,000	15.00	11.50	5035	4 CBX32MV-048 (Multi-Position)		2 91M02
58,500	14.20	11.20	5175	3 CB30U-65 (Up-Flow)		2 91M02
58,500	15.00	11.50	5035	4 CBX32MV-060 (Multi-Position)		2 91M02
58,500	15.00	11.70	4965	4 CBX32MV-068 (Multi-Position)		2 91M02
59,000	14.20	11.50	5120	3 CBX32M-060 (Multi-Position)		2 91M02
60,000	14.50	11.70	5130	CBX26UH-060 (Up-Flow / Horizontal)		Factory TXV

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³ Blower must be capable of time-off blower delay. Time Delay Relay Kit (58M81) is recommended for field installation.

⁴ Blower control must be set for a time-off blower delay.

⁵ Most popular indoor coil.



**ARI Standard
210/240 UAC**



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