

AIR HANDLERS AND INDOOR COILS

Performance and Reliability

CB*, C* and TA* Models

UP TO 20 TONS



LENNOX[®]
Innovation never felt so good.[®]

Exceptional comfort and energy savings set Lennox® air handlers and indoor coils apart

Commercial air handlers and indoor coils from Lennox offer excellent performance and reliability, thanks to first-rate engineering and high-quality components.

AIR HANDLERS AND INDOOR COILS AT A GLANCE:

Easy installation and maintenance designs to reduce labor hours and costs

Range of unit sizes from 1.5 to 20 tons for a variety of applications

Upflow, downflow or horizontal airflow configurations for excellent application flexibility

High-performance components, including thermostatic expansion valves and high-efficiency coils

Corrosion-resistant cabinets and drain pans for outstanding durability

*Year-round savings and comfort with MSAV® (Multi-Stage Air Volume) supply fan technology option**

Excellent warranties back all Lennox® products

WARRANTIES

1-Year Limited Warranty
on covered components and units

See warranty certificate for actual details.

Lennox gives you more choices

With a complete line of air handlers and indoor coils, Lennox provides a wide selection of quality products to meet your needs. Choose from products that can help increase your building's energy efficiency and reduce operating expenses, such as the high-efficiency CX34 indoor coil or CBX32M air handler designed to reduce energy usage when matched with the appropriate air conditioner or heat pump. The CBX27 air handler is suitable for 3- to 5-ton applications that require high-static ductwork or other restrictions. This unit delivers up to 400 cfm/ton at 0.8" external static pressure and can achieve up to 15.00 SEER when matched with T-Class™ outdoor units. In applications for 6- to 20-ton units, the TAA standard-drive air handler delivers up to 1.0" external static at 400 cfm/ton and the high-static option delivers up to 1.8" at 400 cfm/ton.

In addition, durable components such as corrosion-resistant cabinets and dual-position, corrosion-resistant plastic drain pans help guard against unexpected service costs. Lennox® products are built to standards and backed with excellent warranties.

Save time during installation and maintenance

Lennox air handlers and indoor coils were designed to be installed quickly, with suction and vapor lines that extend outside the unit on 3- to 5-ton sizes. Factory-installed thermostatic expansion valves on select models and multiple locations for electrical inlets and drain connection knock-outs save time in the field. A single-point power supply is available for many units with an electric heat option.

To ensure years of simple, low-cost maintenance, many units feature large, easy-to-remove panels and a toolless access filter panel to save time and effort on routine maintenance.

Choose designs to meet a wide range of applications

The large selection of options meets many commercial HVAC needs. Engineers can choose from a variety of voltages, tonnage sizes and airflow configurations for increased flexibility. Field-installed accessories, including electric heat with circuit breakers, hot water coils and economizers, make it even easier to create a system that will provide reliable, cost-effective performance.



**Available on select models*



CBX40UHV Air Handler—2 to 5 tons

The Quietest and Most Efficient Air Handler. Great Match for S-Class® or T-Class™ High-Efficiency Air Conditioners and Heat Pumps.*

Model-Specific Features

- **MERV 16 Filtration:** Factory installed for cleaner, healthier indoor air.
- **Cabinet Airflow Configuration:** Two separate sections for ease of installation in tight applications. Multi-position cabinet with upflow/horizontal or downflow configurations available.
- **Voltage Options:** Available in 230/1/60.
- **Electric Heat Options:** Available in 230/1/60, 230/3/60.

Up to 16.50 SEER
when matched with
S-Class® SSB/SPB
outdoor units



CBX32M/MV Air Handler—1.5 to 5 tons

Great Match for S-Class or T-Class High-Efficiency Air Conditioners and Heat Pumps.

Model-Specific Features

- **Cabinet Airflow Configuration:** Multi-position cabinet with upflow/horizontal or downflow configuration available.
- **Voltage Options:** CBX32MV available in 230/1/60. CBX32M available in 230/1/60, 460/1/60.
- **Electric Heat Options:** CBX32MV available in 230/1/60, 230/3/60. CBX32M available in 230/1/60, 230/3/60, 460/3/60, 575/3/60.**

Up to 16.50 SEER
when matched with
S-Class SSB/SPB
outdoor units



CBX27UH Air Handler—1.5 to 5 tons

High-Static Performance for all Air Conditioners and Heat Pumps.

Model-Specific Features

- **Cabinet Airflow Configuration:** Dedicated upflow/horizontal configuration with optional downflow kit, field conversion.
- **Voltage Options:** Available in 230/1/60, 460/1/60, 575/1/60.**
- **Electric Heat Options:** Available in 230/1/60, 230/3/60, 460/3/60, 575/3/60.**

Up to 15.00 SEER
when matched with
T-Class™ TSA/TPA
outdoor units



CBX25UH/UHV Air Handler—1.5 to 5 tons

Efficient and Economical Match for T-Class Air Conditioners and Heat Pumps.

Model-Specific Features

- **Cabinet Airflow Configuration:** Dedicated upflow/horizontal configuration with optional downflow kit, field conversion.
- **Voltage and Electric Heat Options:** Available in 230/1/60.

Up to 14.00 SEER
when matched with
T-Class TSA/TPA
outdoor units

*Based on sound pressure levels during operation of CBX40UHV-036 with factory-installed MERV 16 Precision Pleat™ media filter and leading competitive 3-ton units at equivalent external static pressure when set up per Section 4.5.3 of AHRI's test standard. AHRI 260-2001; and efficiency (CFM/watt) ratings established per AHRI's test standard: ANSI/AHRI 210/240-2008.
**Available in 4- and 5-ton units only.

Standard features

- **Refrigerant Line Connections:** Include suction and liquid lines that feature sweat connections and extend outside the cabinet for quick, easy installation.
- **Check and Thermostatic Expansion Valve:** Factory-provided to reduce installation time and provide peak cooling performance across the entire application range.
- **High-Efficiency Coil:** Provides exceptional heat transfer and low air resistance for high-efficiency operation.
- **Slide-Out Supply Fan:** Forward-curved centrifugal blower features slide-out capability for quick and easy service and maintenance.
- **Multiple Blower Speeds:** Help provide precise comfort control.
- **High-Static Supply Fan:** Delivers up to 400 cfm/ton at 0.8" supply external static pressure, meeting the most demanding applications.
- **Transformer and Blower Cooling Relay:** Factory-provided components speed installation and are easily accessed in the unit control box.
- **Corrosion-Resistant Cabinet:** Galvanized steel under a two-layer painted surface protects against rust and corrosion.
- **Two-Part Cabinet Construction:** Units may be disassembled into two separate sections for easy installation in tight applications. Thick rubber gasket between sections helps ensure airtight seal.*
- **Dual-Position Drain Pan:** Deep, corrosion-resistant plastic design features dual drain pipes and connections.
- **Antimicrobial Dual-Position Drain Pan:** Resists growth of mold and mildew for improved indoor air quality.
- **Toolless Filter Access:** Saves time during filter replacement.

*Excludes CBX25UH/UHV

Feature Comparison

	CBX40UHV	CBX32M/MV	CBX27UH	CBX25UH/UHV
TONNAGE RANGE	2 TO 5 TONS	1.5 TO 5 TONS	1.5 TO 5 TONS	1.5 TO 5 TONS
Two-part cabinet for easy installation in tight applications	●	●	●	
Slide-out supply fan for fast and easy maintenance	●	●	●	●
Toolless filter access makes changing filters simple and efficient	●	●	●	
Multi-position cabinet airflow configuration for application flexibility (certain units may require a field kit for downflow configuration)	●	●	●	●
3-phase electric heat available for commercial applications	●	●	●	
Multiple blower speeds for precise comfort control	●	●	●	●
Check and thermostatic expansion valve and high-efficiency coil for great performance	●	●	●	●
Corrosion-resistant cabinet for great reliability	●	●	●	●

Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.

TAA Air Handler—6 to 20 tons

Great Match for T-Class™ 6- to 20-Ton Air Conditioners and Heat Pumps



Up to 11.6 EER
when matched with
T-Class™ Air Conditioner

Standard Features

- **Refrigerant Line and Condensate Drain Connections:** Quick and easy installation with access to internal refrigerant lines from both sides of the unit.
- **Check and Thermostatic Expansion Valve:** Factory-provided to reduce installation time and provide peak cooling performance across the entire application range. Each circuit features a separate valve.
- **Multiple-Circuit Coil:** Offers 50/50 face split, two-stage-capacity operation for increased comfort (7.5 to 20 tons).
- **Supply Fan:** Up to 7.5 HP forward-curved centrifugal blower in either standard or high-static models. Firmly mounted and isolated on the frame for excellent performance and reliability. Select models feature a dual fan configuration for additional capacity.
- **Heavy-Duty Cabinet:** Constructed of heavy-gauge, galvanized steel. Completely lined with thick fiberglass insulation for quiet and efficient operation.
- **Dual-Position Drain Pan:** Deep, corrosion-resistant plastic, reversible design.

Select Options

- **Electric Heat:** Up to 50kW; helix-wound, nichrome heating elements are exposed directly in the air stream resulting in instant heat transfer, lower coil temperature and long service life.
- **Hot Water Coil:** Available in a separate add-on matching cabinet for additional heating option applications.
- **MSAV® (multi-stage air volume) Supply Fan VFD Kit:** Controls blower motor speed and airflow for energy savings; field option on 7.5- to 20-ton models.
- **Economizer:** Comes assembled and wired from the factory and is available with a separate add-on matching cabinet and optional differential enthalpy control for improved indoor air quality.
- **Cabinet Airflow Configuration:** Upflow or horizontal configuration.
- **Voltage Options:** Available in 230/3/60, 460/3/60 and 575/3/60.

Indoor coils

CX34, CX35

- 1.5- to 5-ton capacities
- Upflow, full-cased models
- Factory-installed R-410A thermostatic expansion valve helps ensure efficient operation
- Large face area for high-efficiency operation
- Copper rifled tubing and enhanced aluminum fins improve heat transfer
- CX35 is all aluminum with aluminum tube and fin
- Non-corrosive, UV-resistant polymer drain pan with dual drain connections
- Minimal air resistance for better performance



CX34

C33, C35, CR33, CH33, CH23

- 1.5- to 5-ton capacities
- Uncased (C33) and full-cased models
- C33 has upflow configuration
- Cased models with all-aluminum design - aluminum tube and fin (C35)
- CH33 and CH23 have horizontal configuration
- CR33 has downflow configuration
- Large face area for high-efficiency operation
- Copper rifled tubing and enhanced aluminum fins improve heat transfer
- Long-lasting, painted, galvanized cabinet and plastic drain pans
- Minimal air resistance for better performance



CR33

Solutions for customized comfort

Don't just choose a Lennox® product—choose a Lennox Commercial Comfort System. These complete packages of HVAC solutions provide tools to create a healthy and comfortable environment.



Packaged Units

- Energence® Rooftop Units
- Strategos® Rooftop Units
- Landmark® Rooftop Units
- Raider® Rooftop Units



Commercial Controls

- Systems Integration Solutions
- Commercial Thermostats
- L Connection® Network



VRF

- Outdoor Units
- Indoor Units
- Controls



Mini-Split Systems

- Wall-Mounted Non-Ducted
- Ceiling Cassette Non-Ducted
- Medium-Static Ducted
- Ceiling/Floor Non-Ducted



Solar Ready

- SunSource® Commercial Energy System



Heating

- Unit Heaters
- Duct Furnaces
- Furnaces



Split Systems

- S-Class® Air Conditioners/Heat Pumps
- T-Class™ Air Conditioners/Heat Pumps
- Air Handlers
- Indoor Coils



Indoor Air Quality

- Humiditrol® Dehumidification System
- Demand Control Ventilation
- Air Filters
- UVC Lamps



Innovation never felt so good.®

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