

# AIR HANDLERS AND INDOOR COILS

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.

## 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 according to demanding ISO-9001 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.



### 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*

*Up-flow, down-flow 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*

*Excellent warranties back all Lennox® products*

### Warranty

**1-Year Limited Warranty**  
on covered components and units

See actual warranty certificate for details.



## 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



## CBX26UH 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 three-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 Pans**—Resist growth of mold and mildew for improved indoor air quality.
- **Toolless Filter Access**—Saves time during filter replacement (not available on CBX26UH).

## FEATURE COMPARISON

	CBX40UHV	CBX32M/MV	CBX27UH	CBX26UH
<b>Tonnage range</b>	2 to 5 Tons	1.5 to 5 Tons	1.5 to 5 Tons	1.5 to 5 Tons
<b>Two-part cabinet for easy installation in tight applications</b>	◆	◆	◆	
<b>Slide-out supply fan for fast and easy maintenance</b>	◆	◆	◆	◆
<b>Toolless filter access makes changing filters simple and efficient</b>	◆	◆	◆	
<b>Multi-position cabinet airflow configuration for application flexibility (certain units may require a field kit for down-flow configuration)</b>	◆	◆	◆	◆
<b>3-phase electric heat available for commercial applications</b>	◆	◆	◆	
<b>Multiple blower speeds for precise comfort control</b>	◆	◆	◆	◆
<b>Check and thermostatic expansion valve and high-efficiency coil for great performance</b>	◆	◆	◆	◆
<b>Corrosion-resistant cabinet for great reliability</b>	◆	◆	◆	◆

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 the  
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 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.
- **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

- 1.5- to 5-ton capacities
- Up-flow, 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
- Non-corrosive, UV-resistant polymer drain pan with dual drain connections
- Minimal air resistance for better performance



### C33, CR33, CH33, CH23

- 1.5- to 5-ton capacities
- Uncased (C33) and full-cased models
- C33 has up-flow configuration
- CH33 and CH23 have horizontal configuration
- CR33 has down-flow 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

- Strategos® Rooftop Units
- Emergence® Rooftop Units
- Landmark® Rooftop Units

## Split Systems

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

## Heating

- T-Class Separated Combustion  
Unit Heaters
- Unit Heaters
- Duct Furnaces
- Furnaces

## Commercial Controls

- Prodigy® Control System
- L Connection® Network
- Systems Integration Solutions
- Commercial Thermostats

## Indoor Air Quality

- Humiditrol®  
Dehumidification System
- Demand Control Ventilation
- Energy Recovery Systems
- Air Filters
- UVC Germicidal Lights

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