



2018 NORTH AMERICAN PRODUCT CATALOG RESIDENTIAL EQUIPMENT

PRODUCT CATALOG

February 2018
Supersedes January 2018





PRODUCT CATALOG

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GAS FURNACES

SLP98UHV	1
Upflow/Horizontal - Precise Comfort™ Variable Capacity Heating; AirFlex™ Variable Speed Blower - Direct Vent - SilentComfort™ Technology; AFUE - Up to 98.7% - Input - 66,000 to 132,000 Btuh	
SLP98DFV	3
Downflow - Precise Comfort™ Variable Capacity Heating; AirFlex™ Variable Speed Blower - Direct Vent - SilentComfort™ Technology; AFUE - 97.5% - Input - 66,000 to 110,000 Btuh	
SL280UHV	7
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower; SilentComfort™ Technology; AFUE - 80% - Input - 66,000 to 132,000 Btuh	
SL280DFV	9
Downflow - Two-Stage Heat - Variable Speed Blower; SilentComfort™ Technology; AFUE - 80% - Input - 66,000 to 110,000 Btuh	
EL296UHV	13
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower; Direct/Non-Direct Vent AFUE - 96% - Input - 44,000 to 132,000 Btuh	
EL296DFV	15
Downflow - Two-Stage Heat - Variable Speed Blower; Direct/Non-Direct Vent AFUE - 96% - Input - 44,000 to 110,000 Btuh	
EL296UHE	19
Upflow/Horizontal - Two-Stage Heat; High Efficiency Blower Motor - Direct/Non-Direct Vent AFUE - Up to 96% - Input - 44,000 to 132,000 Btuh	
EL296DFE	21
Downflow - Two-Stage Heat; High Efficiency Blower Motor - Direct/Non-Direct Vent AFUE - 96% - Input - 44,000 to 110,000 Btuh	
EL280UH	25
Upflow/Horizontal; AFUE - 80%; Input - 66,000 to 132,000 Btuh	
EL280DF	27
Downflow; AFUE - 80%; Input - 66,000 to 110,000 Btuh	
EL195UHE	31
Upflow/Horizontal - High Efficiency Blower Motor Direct/Non-Direct Vent AFUE - 95% - Input - 30,000 to 132,000 Btuh	
EL195DFE	33
Downflow - High Efficiency Blower Motor Direct/Non-Direct Vent AFUE - 95% - Input - 44,000 to 110,000 Btuh	
EL180UHE	37
Upflow/Horizontal - High Efficiency Blower Motor; AFUE - 80%; Input - 44,000 to 132,000 Btuh	
EL180DFE	39
Downflow - High Efficiency Blower Motor; AFUE - 80%; Input - 44,000 to 110,000 Btuh	
ML195UH	43
Upflow/Horizontal - Direct/Non-Direct Vent; AFUE - 95%; Input - 44,000 to 132,000 Btuh	
ML195DF	45
Downflow - Direct/Non-Direct Vent; AFUE - 95%; Input - 44,000 to 110,000 Btuh	
ML193UH	49
Upflow/Horizontal - Direct/Non-Direct Vent; AFUE - 93%; Input - 44,000 to 132,000 Btuh	
ML193DF	51
Downflow - Direct/Non-Direct Vent; AFUE - 93%; Input - 44,000 to 110,000 Btuh	
ML180UHE	55
Upflow/Horizontal - High Efficiency Blower Motor; AFUE - 80%; Input - 44,000 to 132,000 Btuh	
ML180DFE	57
Downflow - High Efficiency Blower Motor; AFUE - 80%; Input - 44,000 to 110,000 Btuh	
ML180UH	61
Upflow/Horizontal; AFUE - 80%; Input - 44,000 to 132,000 Btuh	
ML180DF	63
Downflow; AFUE - 80%; Input - 44,000 to 110,000 Btuh	
GAS UNIT HEATERS / DUCT FURNACES	
LF24	1
Horizontal, Low Profile, Gas-Fired Unit Heaters; Steady State Efficiency - Up to 81.0%; Input - 30,000 to 75,000 Btuh	
OIL FURNACES	
SLO185UFV	1
Upflow - Variable Speed Blower - SilentComfort™ Technology; AFUE - Up to 87%; Input - 79,000 to 141,000 Btuh	
SLO185BV	3
Lo-Boy - Variable Speed Blower - SilentComfort™ Technology; AFUE - Up to 87%; Input - 79,000 to 141,000 Btuh	
ELO183UF	5
Upflow; AFUE - Up to 84%; Input - 68,000 to 154,000 Btuh	
ELO183B	7
Lo-Boy; AFUE - 83%; Input - 101,000 to 154,000 Btuh	
ELO183DH	9
Horizontal / Downflow; AFUE - 83%; Input - 101,000 to 154,000 Btuh	

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WATER HEATERS / BOILERS

GWM-IE	1
Gas-Fired, Modulating, Condensing, Wall Hung Hot Water Boiler; AFUE - 95% ; Input - 50,000 to 200,000 Btuh	
GWB9-IH	3
Gas-Fired - Hot Water Boiler; AFUE - 90% ; Input - 50,000 to 100,000 Btuh	
GWB8-IE	5
Gas-Fired - Hot Water Boiler; AFUE - Up to 84.4% ; Input - 42,000 to 225,000 Btuh	
GWB8-E	7
Gas-Fired - Hot Water Boiler; AFUE - Up to 83.9% ; Input - 50,000 to 299,000 Btuh	
GSB8-E	9
Gas-Fired - Steam Boiler; AFUE - Up to 82.7% ; Input - 75,000 to 299,000 Btuh	
COWB3	11
Oil-Fired - Hot Water Boiler; AFUE - Up to 85.2% ; Input - 105,000 to 245,000 Btuh	
CBWMV	13
Residential Hot Water Air Handler; Heating Capacity - 23,700 to 220,000 Btuh; Add-On Cooling - 2 - 5 Tons	
AIR CONDITIONERS	
XC25	1
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 26.00; 2 to 5 Tons	
XC21	3
R-410A - Two-Stage Scroll Compressor; SEER - Up to 21.00; 2 to 5 Tons	
SL18XC1	5
R-410A - Scroll Compressor - SilentComfort™ Technology; SEER - Up to 18.50; 2 to 5 Tons	
XC20	7
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 20.00; 2 to 5 Tons	
XC16	9
R-410A - Two-Stage Scroll Compressor; SEER - Up to 17.00; 2 to 5 Tons	
EL16XC1	11
R-410A - Scroll Compressor; SEER - Up to 17.90; 1.5 to 5 Tons	
XC14	13
R-410A; SEER - Up to 16.00; 1.5 to 5 Tons	
XC13N	15
R-410A; SEER - Up to 15.50; 1.5 to 5 Tons	
ML14XC1	17
R-410A; SEER - Up to 17.00; 1.5 to 5 Tons	
14ACX	19
R-410A; SEER - Up to 16.00; 1.5 to 5 Tons	
13ACXN	21
R-410A; SEER - Up to 15.50; 1.5 to 5 Tons	

HEAT PUMP OUTDOOR UNITS

XP25	1
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 23.50; 2 to 5 Tons	
XP21	3
R-410A - Two-Stage Scroll Compressor - SilentComfort™ Technology; SEER - Up to 19.20; 2 to 5 Tons	
SL18XP1	5
R-410A - Scroll Compressor - SilentComfort™ Technology; SEER - Up to 18.50; 2 to 5 Tons	
XP20	7
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 20.00; 2 to 5 Tons	
XP16	9
R-410A - Two-Stage Scroll Compressor; SEER - Up to 17.00; 2 to 5 Tons	
XP14	11
R-410A; SEER - Up to 16.50; 1.5 to 5 Tons	
14HPX	13
R-410A; SEER - Up to 16.00; 1.5 to 5 Tons	
INDOOR COILS	
CX34 (CASED)	1
R-410A - Upflow - Cased; 1.5 to 5 Tons	
CX35 (CASED)	3
R-410A - Upflow - Cased - Quantum™ Coil; 1.5 to 5 Tons	
CX38 (CASED)	5
R-410A - Upflow - Cased; 1.5 to 5 Tons	
C37 (CASED)	7
Upflow - Cased; 1.5 to 5 Tons	
C35 (CASED)	9
Upflow - Cased - Quantum™ Coil; 1.5 to 5 Tons	
C35 (UNCASED)	11
Upflow - Uncased - Quantum™ Coil; 1.5 to 5 Tons	
CH33	13
Horizontal - Cased; 1.5 to 5 Tons	
CH35	15
Horizontal - Cased - Coil; 1.5 to 5 Tons	
CR33	17
Downflow - Cased; 1.5 to 5 Tons	
CH23	21
Horizontal - Cased; 1.5 to 5 Tons	



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AIR HANDLERS

CBX40UHV	1
Multi-Position - R-410A - Variable Speed Blower; 2 to 5 Tons; Optional Electric Heat - 2.5 to 25 kW	
CBX32MV	3
Multi-Position - R-410A - Variable Speed Blower; 1.5 to 5+ Tons; Optional Electric Heat - 2.5 to 25 kW	
CBX32M	5
Multi-Position - R-410A; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 25 kW	
CBA27UH	7
Upflow / Horizontal - Quantum™ Coil - R410A; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 25 kW	
CBX27UH	9
Upflow / Horizontal - R410A; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 25 kW	
CBX25UHV (-10)	11
Upflow / Horizontal - R410A - Programmable Multi-Speed Blower Motor; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 20 kW	
CBX25UH (-10)	13
Upflow / Horizontal - R410A; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 20 kW	

MINI-SPLIT SYSTEMS

MPB	1
Multi-Zone Heat Pump System - R-410A; SEER - Up to 23.00 HSPF - Up to 10.3	
MPB	15
Single-Zone Heat Pump System - R-410A; SEER - Up to 24.50 HSPF - Up to 11.5	
MLA	25
Multi-Zone Low Ambient Heat Pump System - R-410A; SEER - Up to 22.00 HSPF - Up to 10.5	
MLA	35
Single-Zone Low Ambient Heat Pump System - R-410A; SEER - Up to 24.00 HSPF - Up to 11.0	

PACKAGED GAS/ELECTRIC

LRP16GE	1
R-410A - Two-Stage Heating/Cooling - AFUE - 81% / SEER - 16.0; 2 to 5 Tons - Net Cooling Capacity - 23,800 to 57,000 Btuh; Heating Input Capacity - 72,000 to 126,000 Btuh	
LRP14GE	3
R-410A - AFUE - 81% / SEER - 14.0; 2 to 5 Tons - Net Cooling Capacity - 22,600 to 57,000 Btuh; Heating Input Capacity - 54,000 to 126,000 Btuh	

PACKAGED ELECTRIC / ELECTRIC

LRP14AC	1
R-410A; SEER - 14.0 - 2 to 5 Tons; Net Cooling Capacity - 22,600 to 57,000 Btuh	

PACKAGED HEAT PUMPS

LRP16HP	1
R-410A - Two-Stage Heating/Cooling - SEER - 16.0 - 2 to 5 Tons; Net Cooling Capacity - 23,800 to 57,000 Btuh; Heating Capacity - 22,000 to 56,000 Btuh	
LRP14HP	3
R-410A - SEER - 14.0 - 2 to 5 Tons; Net Cooling Capacity - 22,600 to 57,000 Btuh; Heating Capacity - 22,000 to 56,000 Btuh	



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INDOOR AIR QUALITY

PCO3	1
PUREAIR® Air Purification System	
HC11 / HC16	3
MERV 11 and Carbon Clean 16™ (MERV 16) Media Air Cleaners	
CARBON CLEAN 16™ FILTERS	5
Boxed Filters	
MERV 11 FILTERS	6
Boxed Filters	
MERV 16 FILTERS	7
Expandable Filter Kits	
MERV 11 FILTERS	8
Expandable Filter Kits	
MERV 8 FILTERS	9
Pleated Filters	
HEPA	10
HEPA Bypass Air Filtration System	
UVC	11
Ultraviolet Germicidal Light	
UV	12
Ultraviolet Germicidal Light	
LVCS	13
Lennox Ventilation Control System	
HCWP3	15
Power Humidifier; 18 Gallons Per Day	
HCWB3	16
By-Pass Humidifier; 12 to 17 Gallons Per Day	
HRV/ERV	17
Heat Recovery Ventilator; Energy Recovery Ventilator	
HCWHD	21
Whole-Home Dehumidifier; Nominal Capacity - 70 to 130 pints per day	
EDA	23
Humiditrol® Whole-Home Dehumidification System	

ZONING

IHARMONY® ZONING SYSTEM	1
Zoning System for Residential Communicating,; Variable Air Volume Heating/Cooling Systems	
HARMONY III™ ZONING SYSTEM	5
Zone Control for Residential, Variable Air Volume; Heating/Cooling Systems	
LZP-4	9
Four Zone Control Panel; For Residential, Non-Variable Air Volume, Heating/Cooling Systems	
LZP-2	10
Dual Zone Control Panel; For Residential, Non-Variable Air Volume, Heating/Cooling Systems; Not for Heat Pump Systems	
CONTROLS	
ICOMFORT® S30	1
Ultra-Smart Wi-Fi Thermostat	
ICOMFORT WI-FI®	2
Wi-Fi Thermostat	
EIM	3
iComfort® Equipment Interface Module (EIM)	
ICOMFORT® E30	4
Smart Wi-Fi Thermostat	
ICOMFORT® M30	5
Smart Wi-Fi Thermostat	
COMFORTSENSE® 7500	6
Touchscreen 7 Day Programmable Thermostat	
COMFORTSENSE® 5500	7
Touchscreen 7 Day Programmable Thermostats	
COMFORTSENSE® 3000	8
5-2 Day Programmable Thermostats	
COMFORTSENSE® 3000	9
Non-Programmable Thermostats	



PRODUCT CATALOG

FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Variable Capacity Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Variable Speed Combustion Air Inducer
Limit Control

Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

SureLight® Control (iComfort® compatible)

iComfort® Control communicates information about the unit to the



iComfort® S30 thermostat.

24 Volt Transformer

Applicable to the iHarmony® Zoning System.

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 1.0 in. w.g. total external static.

Variable Speed Direct Drive Blower

Each blower assembly is statically and dynamically balanced.

Cabinet

Upflow, horizontal-left or horizontal-right applications.

Bottom/end or side return air

Pre-painted cabinet finish.

Sealed blower compartment

Inner blower compartment access panel.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

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DAVE LENNOX SIGNATURE® COLLECTION
Upflow/Horizontal - Precise Comfort™ Variable Capacity Heating
AirFlex™ Variable Speed Blower - Direct Vent - SilentComfort™ Technology
AFUE - Up to 98.7% - Input - 66,000 to 132,000 Btuh

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Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.

LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - ten years.

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

Furnace Width		"B"	"C"	"D"
A Dimension		17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension		16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom return	Width	16 (406)	19-1/2 (495)	23 (584)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

See page 5

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Horizontal Suspension Kit
- Return Air Base - Upflow Only

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Filter Kits

- Air Filter and Rack Kits

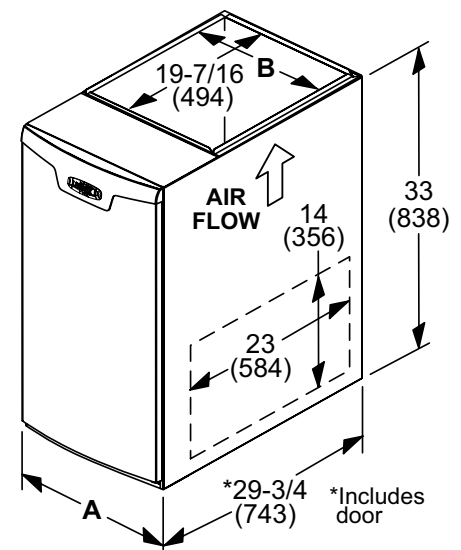
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



SPECIFICATIONS

Gas	Model No.	SLP98UH070XV36B	SLP98UH090XV36C	SLP98UH090XV48C
Heating	¹ AFUE	98.0%	98.0%	98.0%
Performance	Maximum			
	Input - Btuh	66,000	88,000	88,000
	Output - Btuh	64,000	85,000	85,000
	Temperature rise range - °F	50 - 80	60 - 90	50 - 80
	Gas Manifold Pressure (in. w.g.) NG/LPG	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Minimum			
	Input - Btuh	23,000	31,000	31,000
Connections in.	Output - Btuh	22,000	30,000	30,000
	Temperature rise range - °F	35 - 65	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) NG/LPG	0.5 / 1.5	0.5 / 1.5	0.5 / 1.5
	High static - in. w.g.	0.8	0.8	0.8
	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4
Indoor Blower	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
	Wheel nominal diameter x width - in.	10 x 9	10 x 9	11 x 11
	Motor output - hp	1/2	1/2	3/4
Electrical Data	Tons of add-on cooling	2 - 3	2 - 3.5	2.5 - 4
	Air Volume Range - cfm	339 - 1365	520 - 1360	528 - 1770
	Voltage (Maximum Amps)	120 volts - 60 hertz - 1 phase		
Shipping Data	Blower motor full load amps	7.7	7.7	10.1
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	138	155	165

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas	Model No.	SLP98UH090XV60C	SLP98UH110XV60C	SLP98UH135XV60D
Heating	¹ AFUE	98.7%	98.0%	98.0%
Performance	Maximum			
	Input - Btuh	88,000	110,000	132,000
	Output - Btuh	87,000	106,000	128,000
	Temperature rise range - °F	50 - 80	50 - 80	55 - 85
	Gas Manifold Pressure (in. w.g.) NG/LPG	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Minimum			
	Input - Btuh	31,000	39,000	46,000
Connections in.	Output - Btuh	30,000	38,000	45,000
	Temperature rise range - °F	35 - 65	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) NG/LPG	0.5 / 1.5	0.5 / 1.5	0.5 / 1.5
	High static - in. w.g.	0.8	0.8	0.8
	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4
Indoor Blower	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
	Wheel nominal diameter x width - in.	11 x 11	11 x 11	11 x 11
	Motor output - hp	1	1	1
Electrical Data	Tons of add-on cooling	3 - 5	3 - 5	3.5 - 5
	Air Volume Range - cfm	375 - 2195	554 - 2125	634 - 2190
	Voltage (Maximum Amps)	120 volts - 60 hertz - 1 phase		
Shipping Data	Blower motor full load amps	12.8	12.8	12.8
	Maximum overcurrent protection	20	20	20
Shipping Data	lbs. - 1 package	165	175	190

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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GAS FURNACES SLP98DFV

DAVE LENNOX SIGNATURE® COLLECTION

Downflow - Precise Comfort™ Variable Capacity Heating
AirFlex™ Variable Speed Blower - Direct Vent - SilentComfort™ Technology
AFUE - 97.5% - Input - 66,000 to 110,000 Btuh

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FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Variable Capacity Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Variable Speed Combustion Air Inducer
Limit Control
SilentComfort™ Technology

Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

SureLight® Control (iComfort® Communicating)

iComfort® Control communicates information about the unit to the iComfort® S30 thermostat.



24 Volt Transformer

Applicable to the iHarmony® Zoning System.

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 1.0 in. w.g. total external static.

Variable Speed Direct Drive Blower

Each blower assembly is statically and dynamically balanced.

Cabinet

Downflow applications
Pre-painted cabinet finish.
Sealed blower compartment
Inner blower compartment access panel.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.



Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.

LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - ten years.

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

Furnace Width		"B"	"C"
A Dimension	Width	17-1/2 (446)	21 (533)
	Depth	16-3/8 (416)	19-7/8 (454)
Bottom supply	Width	16 (406)	19-1/2 (495)
	Depth	19-1/4 (489)	19-1/4 (489)

ACCESSORIES

See page 5

Cabinet

- Downflow Combustible Flooring Base
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Filter Kits

- Downflow Filter and Rack Kit

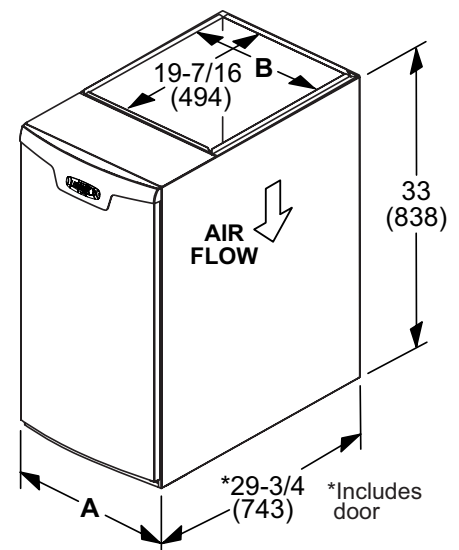
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits
- Termination Kits
- Left Side Vent Kit

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas	Model No.	SLP98DF070XV36B	SLP98DF090XV36C	SLP98DF090XV48C
Heating	¹ AFUE	97.5%	97.5%	97.5%
Performance	Maximum			
	Input - Btuh	66,000	88,000	88,000
	Output - Btuh	64,000	84,000	85,000
	Temperature rise range - °F	50 - 80	60 - 90	50 - 80
	Gas Manifold Pressure (in. w.g.) NG/LPG	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Minimum			
	Input - Btuh	23,000	31,000	31,000
Connections in.	Output - Btuh	22,000	30,000	30,000
	Temperature rise range - °F	35 - 65	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) NG/LPG	0.5 / 1.5	0.5 / 1.5	0.5 / 1.5
	High static - in. w.g.	0.8	0.8	0.8
	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4
Indoor Blower	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
	Wheel nominal diameter x width - in.	10 x 9	10 x 9	11 x 11
	Motor output - hp	1/2	1/2	3/4
	Tons of add-on cooling	2 - 3	2 - 3	3 - 4
	Air Volume Range - cfm	410 - 1365	488 - 1385	545 - 1745
	Electrical Data			
Shipping Data	Voltage (Maximum Amps)	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	7.7	7.7	10.1
	Maximum overcurrent protection	15	15	15
Shipping Data		lbs. - 1 package	140	155
				165

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas	Model No.	SLP98DF090XV60C	SLP98DF110XV60C
Heating	¹ AFUE	97.5%	97.5%
Performance	Maximum		
	Input - Btuh	88,000	110,000
	Output - Btuh	85,000	107,000
	Temperature rise range - °F	50 - 80	50 - 80
	Gas Manifold Pressure (in. w.g.) NG/LPG	3.5 / 10.0	3.5 / 10.0
	Minimum		
	Input - Btuh	31,000	39,000
Connections in.	Output - Btuh	30,000	38,000
	Temperature rise range - °F	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) NG/LPG	0.5 / 1.5	0.5 / 1.5
	High static - in. w.g.	0.8	0.8
	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4
Indoor Blower	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
	Wheel nominal diameter x width - in.	11 x 11	11 x 11
	Motor output - hp	1	1
	Tons of add-on cooling	3.5 - 5	3.5 - 5
	Air Volume Range - cfm	467 - 2130	575 - 2180
	Electrical Data		
Shipping Data	Voltage (Maximum Amps)	120 volts - 60 hertz - 1 phase	
	Blower motor full load amps	12.8	12.8
	Maximum overcurrent protection	20	20
Shipping Data		lbs. - 1 package	165
			174

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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**OPTIONAL ACCESSORIES - ORDER SEPARATELY**

NOTE - FURNACE CANNOT BE TWINNED!

			"B" Width	"C" Width	"D" Width	
CABINET ACCESSORIES						
Downflow Combustible Flooring Base - Downflow only			11M60	11M61	---	
Horizontal Suspension Kit - Horizontal only			51W10	51W10	51W10	
Return Air Base - Upflow only			50W98	50W99	51W00	
CONDENSATE DRAIN KITS						
Condensate Drain Heat Cable		6 ft.	26K68	26K68	26K68	
		24 ft.	26K69	26K69	26K69	
Crawl Space Vent Drain Kit		U.S.	51W18	51W18	51W18	
		Canada	15Z70	15Z70	15Z70	
CONTROLS						
iComfort® S30 Thermostat			12U67	12U67	12U67	
¹ Remote Outdoor Air Temperature Sensor (for dual fuel and Humiditrol®)			X2658	X2658	X2658	
² Discharge Air Temperature Sensor			88K38	88K38	88K38	
ComfortSense® 7500 Thermostat			13H14	13H14	13H14	
³ Remote Outdoor Air Temperature Sensor (for dual fuel and Humiditrol®)			X2658	X2658	X2658	
DOWNFLOW FILTER KITS						
Downflow Filter Cabinet			51W07	51W08	---	
			⁴ No. and size of filter - in. (2) 16 x 20 x 1	(2) 16 x 20 x 1	---	
UPFLOW/HORIZONTAL FILTER KITS						
⁴ Air Filter and Rack Kit	Horizontal (end)	Size of filter - in.	87L96	87L97	87L98	
			18 x 25 x 1	20 x 25 x 1	25 x 25 x 1	
	Side Return	Single	44J22	44J22	44J22	
		Ten Pack	66K63	66K63	66K63	
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	
SERVICE KIT						
Night Service Kit			10U37	10U37	10U37	
TERMINATION KITS - Direct Vent Applications Only. See Installation Instructions for specific venting information.						
Termination Kits	Concentric	U.S. - 2 in.	71M80	69M29	---	
		3 in.	---	60L46	60L46	
		Canada - 2 in.	44W92	44W92	---	
		3 in.	---	44W93	44W93	
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	51W11	51W11	51W11	
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12	
	Wall - Close Couple	U.S. - 2 in.	22G44	---	---	
		3 in.	44J40	44J40	44J40	
	Wall - Close Couple WTK	Canada - 2 in.	30G28	---	---	
		3 in.	81J20	81J20	81J20	
	Termination Kits	Roof	2 in.	15F75	15F75	---
		Wall - Wall Ring Kit	2 in.	15F74	15F74	---
Roof Termination Flashing Kit (2 flashings)		3 in.	44J41	44J41	44J41	

¹ Remote Outdoor Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for service diagnostics.

³ Remote Outdoor Temperature Sensor for ComfortSense® 7500 Thermostat must be connected directly to the thermostat, Do not connect it to the SureLight® control.

⁴ Cleanable frame type filter.

NOTE - Termination Kits (44W92, 44W93, 30G28, 51W12, 81J20) and Crawl Space Vent Drain Kit (15Z70) are certified to ULC S636 standard for use in Canada only.



GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit	Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit
	7501 - 10,000 ft.	0 - 10,000 ft.	0 - 10,000 ft.
All models	14T65 (Upflow/Horizontal / 14T67 (Downflow)	65W77	70W87



PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Limit Controls
SureLight® Hot Surface Ignitor
Two-Speed Combustion Air Inducer

SureLight® Control (iComfort® Communicating)

iComfort® Control communicates information about the unit to the iComfort® S30 thermostat. 24 Volt Transformer
Field Wiring Make-up Box
Applicable to the iHarmony® Zoning System.



Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 1.0 in. w.g. (cooling) total external static.

Variable Speed Direct Drive Blower

Each blower assembly is statically and dynamically balanced.

Cabinet

Upflow, horizontal-left or horizontal-right applications.
Bottom/end or side return air
Pre-painted cabinet finish.
Sealed blower compartment
Inner blower compartment access panel.
Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.



Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.

LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - ten years.

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

Furnace Width	"A"	"B"	"C"	"D"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (504)	23-3/8 (594)
Bottom Width return	13 (330)	16 (406)	19-1/2 (495)	23 (584)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

GAS FURNACES SL280UHV

DAVE LENNOX SIGNATURE® COLLECTION

Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower
SilentComfort™ Technology
AFUE - 80% - Input - 66,000 to 132,000 Btuh

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ACCESSORIES

See page 11

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Filter Kits

- Air Filter and Rack Kits

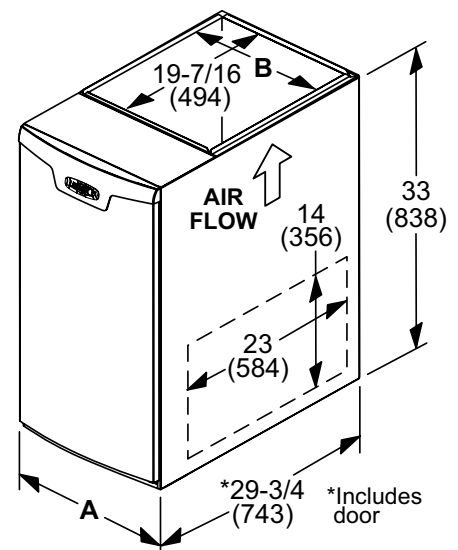
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	SL280UH070V36A	SL280UH090V36B	SL280UH090V48B
	Model No. - Low Nox	SL280UH070XV36A	- - -	SL280UH090XV48B
	¹ AFUE	80%	80%	80%
High Fire	Input - Btuh	66,000	88,000	88,000
	Output - Btuh	52,000	70,000	70,000
	Temperature rise range - °F	40 - 70	40 - 70	40 - 70
	Gas Manifold Pressure (in. w.g.)	3.5 / 10	3.5 / 10	3.5 / 10
	Nat. Gas / LPG/Propane			
Low Fire	Input - Btuh	43,000	57,000	57,000
	Output - Btuh	35,000	47,000	47,000
	Temperature rise range - °F	25 - 55	25 - 55	25 - 55
	Gas Manifold Pressure (in. w.g.)	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
	Nat. Gas / LPG/Propane			
High static - in. w.g.	Heating	0.8	0.8	0.8
	Cooling	1.0	1.0	1.0
Connections in.	Flue connection - in. round	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nominal diameter x width - in.	10 X 8	10 X 9	11-1/2 X 9
	Motor output - hp	1/2	1/2	1.0
	Tons of add-on cooling	2 - 3	2 - 3.5	2.5 - 4
	Air Volume Range - cfm	606 - 1345	498 - 1393	679 - 2002
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	7.7	7.7	12.8
	Maximum overcurrent protection	15	15	20
Shipping Data	lbs. - 1 package	128	143	154

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	SL280UH090V60C	SL280UH110V60C	SL280UH135V60D
	Model No. - Low Nox	- - -	SL280UH110XV60C	- - -
	¹ AFUE	80%	80%	80%
High Fire	Input - Btuh	88,000	110,000	132,000
	Output - Btuh	70,000	87,000	105,000
	Temperature rise range - °F	35 - 65	35 - 65	40 - 70
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane			
Low Fire	Input - Btuh	57,000	72,000	86,000
	Output - Btuh	47,000	58,000	64,000
	Temperature rise range - °F	25 - 55	25 - 55	25 - 55
	Gas Manifold Pressure (in. w.g.)	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
	Nat. Gas / LPG/Propane			
High static - in. w.g.	Heating	0.8	0.8	0.8
	Cooling	1.0	1.0	1.0
Connections in.	Flue connection - in. round	4	4	² 4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nominal diameter x width - in.	11-1/2 X 10	11-1/2 X 10	11-1/2 X 11
	Motor output - hp	1.0	1.0	1.0
	Tons of add-on cooling	3 - 5	3 - 5	3.5 - 5
	Air Volume Range - cfm	826 - 2305	812 - 2125	828 - 2257
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	12.8	12.8	12.8
	Maximum overcurrent protection	20	20	20
Shipping Data	lbs. - 1 package	173	181	199

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.² Flue connection on the unit is 4 in. diameter. Most applications will require 5 in. venting and field supplied 4 x 5 in. adaptor. See Venting Tables in the Installation Instructions for detailed information.

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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Limit Controls
SureLight® Hot Surface Ignitor
Two-Speed Combustion Air Inducer

SureLight® Control (iComfort® Communicating)

iComfort® Control communicates information about the unit to the  iComfort. So simple. So smart. So comfortable.
iComfort® S30 thermostat.
24 Volt Transformer
Field Wiring Make-up Box
Applicable to the *iHarmony® Zoning System.*

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 1.0 in. w.g. (cooling) total external static.

Variable Speed Direct Drive Blower

Each blower assembly is statically and dynamically balanced.

Cabinet

Downflow applications.
Pre-painted cabinet finish.
Sealed blower compartment
Inner blower compartment access panel.
Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.



Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.

LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - ten years.
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

Furnace Width	"A"	"B"	"C"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)
Bottom Width	13 (330)	16 (406)	19-1/2 (495)
supply Depth	19-1/4 (489)	19-1/4 (489)	19-1/4 (489)

GAS FURNACES SL280DFV

DAVE LENNOX SIGNATURE® COLLECTION

Downflow - Two-Stage Heat - Variable Speed Blower
SilentComfort™ Technology
AFUE - 80% - Input - 66,000 to 110,000 Btuh

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ACCESSORIES

See page 11

Cabinet

- Downflow Combustible Flooring Base

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Filters

- Downflow Filter Kits

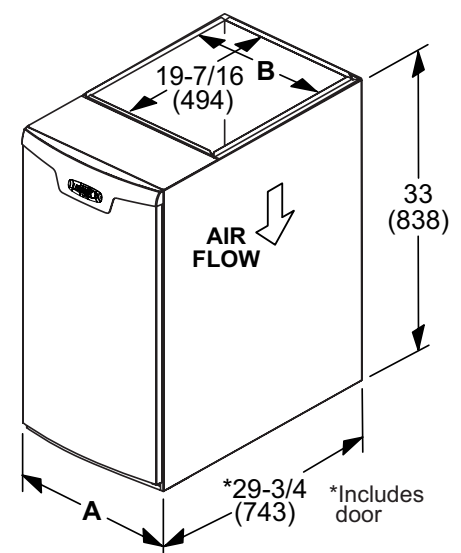
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	SL280DF070V36A	SL280DF090V48B	SL280DF090V60C	SL280DF110V60C
		¹ AFUE	80%	80%	80%	80%
High Fire	Input - Btuh		66,000	88,000	88,000	110,000
	Output - Btuh		52,000	69,000	70,000	87,000
	Temperature rise range - °F		35 - 65	35 - 65	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh		43,000	57,000	57,000	72,000
	Output - Btuh		35,000	46,000	46,000	59,000
	Temperature rise range - °F		25-55	25-55	25-55	25-55
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
High static - in. w.g.	Heating		0.8	0.8	0.8	0.8
	Cooling		1.0	1.0	1.0	1.0
Connections in.	Flue connection - in. round		4	4	4	4
	Gas pipe size IPS		1/2	1/2	1/2	1/2
Indoor Blower	Wheel nominal diameter x width - in.		10 x 8	11 x 9	11 x 10	11 x 10
	Motor output - hp		1/2	1	1	1
	Tons of add-on cooling		2 - 3	3 - 4	3.5 - 5	3.5 - 5
	Air Volume Range - cfm		589 - 1514	830 - 1996	899 - 2273	882 - 2120
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		7.7	12.8	12.8	12.8
	Maximum overcurrent protection		15	20	20	20
Shipping Data	lbs. - 1 package		130	153	164	173

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.



OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACE CANNOT BE TWINNED!

		"A" Width	"B" Width	"C" Width	"D" Width
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only		11M59	11M60	11M61	---
Horizontal Suspension Kit - Horizontal only		51W10	51W10	51W10	51W10
Return Air Base - Upflow only		65W75	50W98	50W99	51W00
CONTROLS					
iComfort® S30 Thermostat		12U67	12U67	12U67	12U67
¹ Remote Outdoor Air Temperature Sensor (for dual fuel and Humiditrol®)		X2658	X2658	X2658	X2658
² Discharge Air Temperature Sensor		88K38	88K38	88K38	88K38
ComfortSense® 7500 Thermostat		13H14	13H14	13H14	13H14
³ Remote Outdoor Air Temperature Sensor (for dual fuel and Humiidtrol®)		X2658	X2658	X2658	X2658
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet		51W06	51W07	51W08	---
¹ No. and size of filter - in.		(1) 20 x 20 x 1	(2) 16 x 20 x 1	(2) 16 x 20 x 1	---
UPFLOW/HORIZONTAL FILTER KITS					
⁴ Air Filter and Rack Kit	Horizontal (end)	87L95	87L96	87L97	87L98
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1
	Side Return	44J22	44J22	44J22	44J22
	Single	66K63	66K63	66K63	66K63
	Ten Pack	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
Size of filter - in.		16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
SERVICE KIT					
Night Service Kit		14C98	14C98	14C98	14C98
VENTING					
Vent Adaptor - 6 in. connection size upflow applications only		18M79	18M79	18M79	18M79

¹ Remote Outdoor Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for service diagnostics.

³ Remote Outdoor Temperature Sensor for ComfortSense® 7500 Thermostat must be connected directly to the thermostat, Do not connect it to the SureLight® control.

⁴ Cleanable frame type filter.

¹ Remote Outdoor Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for service diagnostics.

³ Remote Outdoor Temperature Sensor for ComfortSense® 7500 Thermostat must be connected directly to the thermostat, Do not connect it to the SureLight® control.

⁴ Cleanable frame type filter.

GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit				Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit
	0 - 4500 ft.	4501 - 7500 ft.	7501 - 10,000 ft.		0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.
			UH	DF				
070	No Change	No Change	73W35	73W36	11K51	77W09	73W37	77W11
090	No Change	69W56	73W35	73W36	11K51	77W09	73W37	77W11
110	No Change	69W56	73W35	73W35	11K51	77W09	73W37	77W11
135	No Change	73W33	73W34	- - -	11K51	77W09	73W37	77W11

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PRODUCT CATALOG

GAS FURNACES EL296UHV ELITE® SERIES

Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower
Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 132,000 Btuh

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Supersedes January 2018

FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Limit Controls
SureLight® Hot Surface Ignitor
Two-Speed Combustion Air Inducer

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

Non-Direct Vent - combustion air supplied from indoors

SureLight® Control (iComfort® Communicating)

iComfort® Control communicates information about the unit to the iComfort® S30 thermostat.



24 Volt Transformer

Field Wiring Make-up Box

Applicable to the iHarmony® Zoning System.

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 1.0 in. w.g. (cooling) total external static.

Variable Speed Direct Drive Blower

Each blower assembly is statically and dynamically balanced.

Cabinet

Upflow, downflow, horizontal-left or horizontal-right applications without any internal modifications to the unit.
Pre-painted cabinet finish.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.



Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.

LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width		"B"	"C"	"D"
A Dimension	Width	17-1/2 (446)	21 (533)	24-1/2 (622)
	Depth	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom return	Width	16 (406)	19-1/2 (495)	23 (584)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

See page 35

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Filter Kits

- Air Filter and Rack Kits

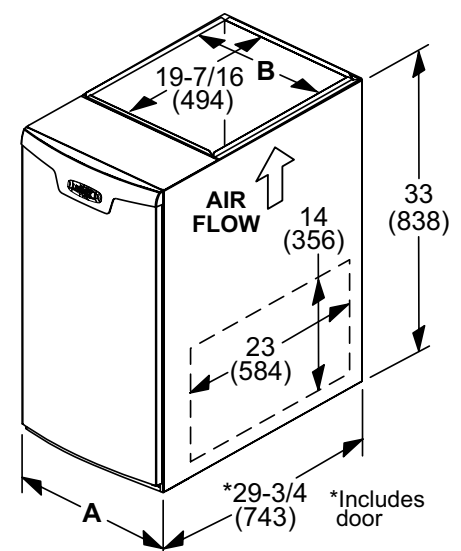
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	EL296UH 045XV36B	EL296UH 070XV36B	EL296UH 090XV36C	EL296UH 090XV48C
	¹ AFUE	96%	96%	96%	96%
High Fire	Input - Btuh	44,000	66,000	88,000	88,000
	Output - Btuh	42,000	62,000	84,000	85,000
	Temperature rise range - °F	35 - 65	50 - 80	60 - 90	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh	29,000	43,000	57,000	57,000
	Output - Btuh	28,000	41,000	55,000	55,000
	Temperature rise range - °F	20 - 50	25 - 55	30 - 60	30 - 60
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
High static - in. w.g.	Heating	0.8	0.8	0.8	0.8
	Cooling	1.0	1.0	1.0	1.0
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt			
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT			
Indoor Blower	Wheel nominal diameter x width - in.	10 x 9	10 x 9	10 x 9	11 x 11
	Motor output - hp	1/2	1/2	1/2	3/4
	Tons of add-on cooling	2 - 3	2 - 3	2 - 3	2.5 - 4
	Air Volume Range - cfm	465 - 1370	490 - 1365	520 - 1360	680 - 1770
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	7.7	7.7	7.7	10.1
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	130	136	152	163

SPECIFICATIONS

Gas Heating Performance	Model No.	EL296UH0 90XV60C	EL296UH 110XV48C	EL296UH 110XV60C	EL296UH 135XV60D
	¹ AFUE	96%	96%	96%	96%
High Fire	Input - Btuh	88,000	110,000	110,000	132,000
	Output - Btuh	85,000	105,000	106,000	126,000
	Temperature rise range - °F	40-70	60-90	45-75	55-85
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh	57,000	72,000	72,000	86,000
	Output - Btuh	55,000	70,000	70,000	84,000
	Temperature rise range - °F	25 - 55	36 - 65	35 - 65	40 - 70
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
High static - in. w.g.	Heating	0.8	0.8	0.8	0.8
	Cooling	1.0	1.0	1.0	1.0
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt			
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT			
Indoor Blower	Wheel nominal diameter x width - in.	11 x 11	11 x 11	11 x 11	11 x 11
	Motor output - hp	1	3/4	1	1
	Tons of add-on cooling	3 - 5	2.5 - 4	3-5	3-5
	Air Volume Range - cfm	840 - 2195	670 - 1760	850 - 2125	950 - 2250
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	12.8	10.1	12.8	12.8
	Maximum overcurrent protection	20	15	20	20
Shipping Data	lbs. - 1 package	164	173	174	188

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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PRODUCT CATALOG

GAS FURNACES EL296DFV ELITE® SERIES

Downflow - Two-Stage Heat - Variable Speed Blower
Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

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FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Limit Controls
SureLight® Hot Surface Ignitor
Two-Speed Combustion Air Inducer

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

Non-Direct Vent - combustion air supplied from indoors

SureLight® Control (iComfort® compatible)

iComfort® Control communicates information about the unit to the iComfort® S30 thermostat.



24 Volt Transformer

Field Wiring Make-up Box

Applicable to the iHarmony® Zoning System.

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 1.0 in. w.g. (cooling) total external static.

Variable Speed Direct Drive Blower

Each blower assembly is statically and dynamically balanced.

Cabinet

Downflow applications.

Pre-painted cabinet finish.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.



Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.

LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width		"B"	"C"
A Dimension		17-1/2 (446)	21 (533)
	B Dimension	16-3/8 (416)	19-7/8 (454)
Bottom supply	Width	16 (406)	19-1/2 (495)
	Depth	19-1/4 (489)	19-1/4 (489)

ACCESSORIES

See page 35

Cabinet

- Downflow Combustible Flooring Base
- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Filter Kits

- Downflow Filter Kits

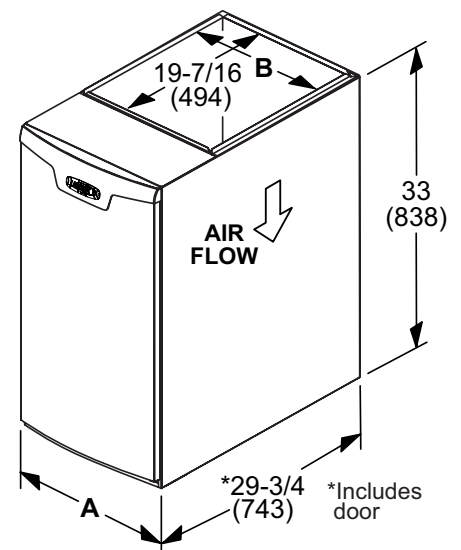
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	EL296DF045XV36B	EL296DF070XV48B	EL296DF090XV60C	EL296DF110XV60C
		¹ AFUE	96%	96%	96%	96%
High Fire	Input - Btuh	44,000	66,000	88,000	110,000	
	Output - Btuh	43,000	64,000	85,000	106,000	
	Temperature rise range - °F	35-65	35-65	40-70	45-75	
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	
Low Fire	Input - Btuh	29,000	43,000	57,000	72,000	
	Output - Btuh	28,000	42,000	56,000	70,000	
	Temperature rise range - °F	20 - 50	25 - 55	30 - 60	35 - 65	
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	
High static - in. w.g.	Heating	0.8	0.8	0.8	0.8	
	Cooling	1.0	1.0	1.0	1.0	
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2	
	Gas pipe size IPS	1/2	1/2	1/2	1/2	
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4	
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	
Indoor Blower	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	
	Wheel nom. diameter x width - in.	10 x 9	11 x 10	11 x 11	11 x 11	
	Motor output - hp	1/2	3/4	1	1	
	Tons of add-on cooling	2 - 3	2.5 - 4	3 - 5	3 - 5	
Electrical Data	Air Volume Range - cfm	545 - 1360	575 - 1800	890 - 2130	860 - 2180	
	Voltage	120 volts - 60 hertz - 1 phase				
	Blower motor full load amps	7.7	10.1	12.8	12.8	
		Maximum overcurrent protection	15	20	20	20
Shipping Data		lbs. - 1 package	131	136	164	176

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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**OPTIONAL ACCESSORIES - ORDER SEPARATELY**

NOTE - FURNACE CANNOT BE TWINNED!

		"B" Width	"C" Width	"D" Width		
CABINET ACCESSORIES						
Downflow Combustible Flooring Base - Downflow only		11M60	11M61	---		
Horizontal Suspension Kit - Horizontal only		51W10	51W10	51W10		
Return Air Base - Upflow only		50W98	50W99	51W00		
CONDENSATE DRAIN KITS						
Condensate Drain Heat Cable	6 ft.	26K68	26K68	26K68		
	24 ft.	26K69	26K69	26K69		
Crawl Space Vent Drain Kit	U.S.	51W18	51W18	51W18		
	Canada	15Z70	15Z70	15Z70		
CONTROLS						
iComfort® S30 Thermostat		12U67	12U67	12U67		
¹ Remote Outdoor Air Temperature Sensor (for dual fuel and Humiditrol®)		X2658	X2658	X2658		
² Discharge Air Temperature Sensor		88K38	88K38	88K38		
ComfortSense® 7500 Thermostat		13H14	13H14	13H14		
³ Remote Outdoor Air Temperature Sensor (for dual fuel and Humiditrol®)		X2658	X2658	X2658		
DOWNFLOW FILTER KITS						
Downflow Filter Cabinet		51W07	51W08	---		
⁴ No. and size of filter - in.		(2) 16 x 20 x 1	(2) 16 x 20 x 1	---		
UPFLOW/HORIZONTAL FILTER KITS						
⁴ Air Filter and Rack Kit	Horizontal (end)		87L96	87L97	87L98	
		Size of filter - in.	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1	
	Side Return	Single	44J22	44J22	44J22	
		Ten Pack	66K63	66K63	66K63	
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	
SERVICE KIT						
Night Service Kit		14C99	14C99	14C99		
TERMINATION KITS - Direct Vent Applications Only. See Installation Instructions for specific venting information.						
Termination Kits	Concentric	U.S. - 2 in.	71M80	69M29	---	
		3 in.	---	60L46	60L46	
		Canada - 2 in.	44W92	44W92	---	
		3 in.	---	44W93	44W93	
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	51W11	51W11	51W11	
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12	
	Wall - Close Couple	U.S. - 2 in.	22G44	---	---	
		3 in.	44J40	44J40	44J40	
	Wall - Close Couple WTK	Canada - 2 in.	30G28	---	---	
		3 in.	81J20	81J20	81J20	
	Termination Kits	Roof	2 in.	15F75	15F75	---
		Wall - Wall Ring Kit	2 in.	15F74	15F74	---
Roof Termination Flashing Kit (2 flashings)		3 in.	44J41	44J41	44J41	

¹ Remote Outdoor Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for service diagnostics.

³ Remote Outdoor Temperature Sensor for ComfortSense® 7500 Thermostat must be connected directly to the thermostat, Do not connect it to the SureLight® control.

⁴ Cleanable frame type filter.

NOTE - Termination Kits (44W92, 44W93, 30G28, 51W12, 81J20) and Crawl Space Vent Drain Kit (15Z70) are certified to ULC S636 standard for use in Canada only.

**EL296UHV, EL296DFV - OPTIONAL ACCESSORIES****PRODUCT CATALOG**

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GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit		Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501- 10,000 ft.	7501- 10,000 ft.
045	14A47	14A50	11K51	77W09	73W37	11K46
070	14A54 (UH) / 14A55 (DF)	14A53 (UH) / 14A56 (DF)	11K51	77W09	73W37	11K46
090	14A57 (UH) / 14A54 (DF)	14A54 (UH) / 14A53 (DF)	11K51	77W09	73W37	11K46
110	14A46	14A51	11K51	77W09	73W37	11K46
135	14A49	14A51	11K51	77W09	73W37	11K46



PRODUCT CATALOG

GAS FURNACES EL296UHE ELITE® SERIES

Upflow/Horizontal - Two-Stage Heat
High Efficiency Blower Motor - Direct/Non-Direct Vent
AFUE - Up to 96% - Input - 44,000 to 132,000 Btuh

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FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Limit Controls
SureLight® Hot Surface Ignitor
Two-Speed Combustion Air Inducer

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors
Non-Direct Vent - combustion air supplied from indoors

Controls

SureLight® integrated Two-Stage Furnace Control
24 Volt Transformer
Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor).

Cabinet

Upflow, downflow, horizontal-left or horizontal-right applications without any internal modifications to the unit.
Pre-painted cabinet finish.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.



ACCESSORIES

See page 35

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Horizontal Suspension Kit
- Return Air Base

Controls

- Thermostat

Filter Kits

- Air Filter and Rack Kits

Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

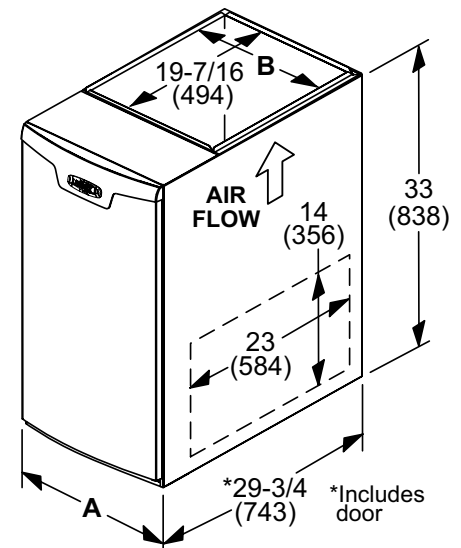
LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width		"B"	"C"	"D"
A Dimension	Width	17-1/2 (446)	21 (533)	24-1/2 (622)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)
B Dimension	Width	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)
Bottom return	Width	16 (406)	19-1/2 (505)	23 (584)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	EL296UH045XE36B	EL296UH070XE36B	EL296UH090XE48C
	¹ AFUE	96%	96%	96%
High Fire	Input - Btuh	44,000	66,000	88,000
	Output - Btuh	43,000	64,000	84,000
	Temperature rise range - °F	30 - 60	35 - 65	40 - 70
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane			
Low Fire	Input - Btuh	29,000	43,000	57,000
	Output - Btuh	28,000	42,000	55,000
	Temperature rise range - °F	20 - 50	25 - 55	30 - 60
	Gas Manifold Pressure (in. w.g.)	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
	Nat. Gas / LPG/Propane			
High static - in. w.g.		0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nominal diameter x width - in.	10 x 8	10 x 8	10 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	3/4
	Tons of add-on cooling	1.5 - 3	1.5 - 3	2.5 - 4
	Air Volume Range - cfm	520 - 1345	550 - 1380	760 - 1740
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	6.8	6.8	8.4
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	129	133	159

SPECIFICATIONS

Gas Heating Performance	Model No.	EL296UH110XE60C	EL296UH135XE60D
	¹ AFUE	96%	96%
High Fire	Input - Btuh	110,000	132,000
	Output - Btuh	106,000	127,000
	Temperature rise range - °F	40 - 70	45 - 75
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane		
Low Fire	Input - Btuh	72,000	86,000
	Output - Btuh	70,000	84,000
	Temperature rise range - °F	30 - 60	35 - 65
	Gas Manifold Pressure (in. w.g.)	1.7 / 4.9	1.7 / 4.9
	Nat. Gas / LPG/Propane		
High static - in. w.g.		0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nominal diameter x width - in.	11-1/2 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless
	Motor output - hp	1	1
	Tons of add-on cooling	3 - 5	3.5 - 5
	Air Volume Range - cfm	1055 - 2220	1260 - 2405
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase	
	Blower motor full load amps	10.9	10.9
	Maximum overcurrent protection	15	15
Shipping Data	lbs. - 1 package	174	189

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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PRODUCT CATALOG

GAS FURNACES EL296DFE ELITE® SERIES

Downflow - Two-Stage Heat
High Efficiency Blower Motor - Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

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FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Limit Controls
SureLight® Hot Surface Ignitor
Two-Speed Combustion Air Inducer

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

Non-Direct Vent - combustion air supplied from indoors

Controls

SureLight® integrated Two-Stage Furnace Control
24 Volt Transformer
Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Downflow applications.
Pre-painted cabinet finish.
Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace supply air opening with the same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width		"B"	"C"
A Dimension		17-1/2	21
		(446)	(533)
B Dimension		16-3/8	19-7/8
		(416)	(454)
Bottom supply	Width	16	19-1/2
		(406)	(495)
	Depth	19-1/4	19-1/4
		(489)	(489)

ACCESSORIES

See page 35

Cabinet

- Downflow Combustible Flooring Base
- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Return Air Base

Controls

- Thermostat

Filter Kits

- Downflow Filter Kits

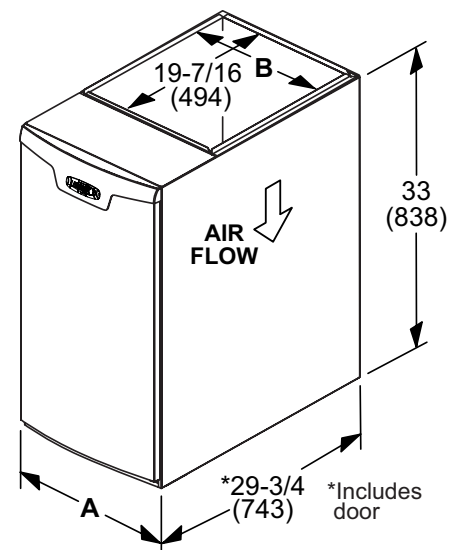
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	EL296DF045XE36B	EL296DF070XE48B	EL296DF090XE48C	EL296DF110XE60C
High Fire		¹ AFUE	96%	96%	96%	96%
High Fire	Input - Btuh		44,000	66,000	88,000	110,000
	Output - Btuh		43,000	64,000	85,000	106,000
Temperature rise range - °F			35 - 65	35 - 65	40 - 70	45 - 75
Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane			3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire		Input - Btuh	29,000	43,000	57,000	72,000
Low Fire	Output - Btuh		28,000	42,000	55,000	70,000
	Temperature rise range - °F		20 - 50	25 - 55	30 - 60	35 - 65
Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane			1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
High static - in. w.g.			0.5	0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)		2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS		1/2	1/2	1/2	1/2
Condensate Drain Trap (PVC pipe) - i.d.			3/4	3/4	3/4	3/4
with furnished 90° street elbow			3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
with field supplied (PVC coupling) - o.d.			3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. diameter x width - in.		10 x 8	11-1/2 x 10	10 x 10	11 x 11
	Motor Type		DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp		1/2	3/4	3/4	1
	Tons of add-on cooling		1.5 - 3	2 - 4	2 - 4	3 - 5
	Air Volume Range - cfm		485 - 1395	520 - 1770	760 - 1765	1045 - 2285
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.8	8.4	8.4	10.9
	Maximum overcurrent protection		15	15	15	15
Shipping Data		lbs. - 1 package	134	145	163	175

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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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OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACE CANNOT BE TWINNED!

			“B” Width	“C” Width	“D” Width	
CABINET ACCESSORIES						
Downflow Combustible Flooring Base - Downflow only			11M60	11M61	- - -	
Horizontal Suspension Kit - Horizontal only			51W10	51W10	51W10	
Return Air Base - Upflow only			50W98	50W99	51W00	
CONDENSATE DRAIN KITS						
Condensate Drain Heat Cable		6 ft.	26K68	26K68	26K68	
		24 ft.	26K69	26K69	26K69	
Crawl Space Vent Drain Kit		U.S.	51W18	51W18	51W18	
		Canada	15Z70	15Z70	15Z70	
DOWNFLOW FILTER KITS						
Downflow Filter Cabinet			51W07	51W08	- - -	
			⁴ No. and size of filter - in.	(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -
UPFLOW/HORIZONTAL FILTER KITS						
¹ Air Filter and Rack Kit	Horizontal (end)		87L96	87L97	87L98	
		Size of filter - in.	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1	
	Side Return	Single	44J22	44J22	44J22	
		Ten Pack	66K63	66K63	66K63	
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	
SERVICE KIT						
Night Service Kit			10B39	10B39	10B39	
TERMINATION KITS - Direct Vent Applications Only. See Installation Instructions for specific venting information.						
Termination Kits	Concentric	U.S. - 2 in.	71M80	69M29	- - -	
		3 in.	- - -	60L46	60L46	
		Canada - 2 in.	44W92	44W92	- - -	
		3 in.	- - -	44W93	44W93	
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	51W11	51W11	51W11	
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12	
	Wall - Close Couple	U.S. - 2 in.	22G44	- - -	- - -	
		3 in.	44J40	44J40	44J40	
	Wall - Close Couple WTK	Canada - 2 in.	30G28	- - -	- - -	
		3 in.	81J20	81J20	81J20	
	Termination Kits	Roof	2 in.	15F75	15F75	- - -
		Wall - Wall Ring Kit	2 in.	15F74	³ 15F74	- - -
² Roof Termination Flashing Kit (2 flashings)		3 in.	44J41	44J41	44J41	

¹ Cleanable frame type filter.

² Kits contain enough parts for two, non-direct vent installations.

³ Non-direct vents only.

NOTE - Termination Kits (44W92, 44W93, 30G28, 51W12, 81J20) and Crawl Space Vent Drain Kit (15Z70) are certified to ULC S636 standard for use in Canada only.

**EL296UHE, EL296DFE - OPTIONAL ACCESSORIES****PRODUCT CATALOG**

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GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit		Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.
045	14A47	14A50	11K51	77W09	73W37	11K46
070	14A54 (UH) / 14A55 (DF)	14A53 (UH) / 14A56 (DF)	11K51	77W09	73W37	11K46
090	14A57 (UH) / 14A54 (DF)	14A54 (UH) / 14A53 (DF)	11K51	77W09	73W37	11K46
110	14A46	14A51	11K51	77W09	73W37	11K46
135	14A49	14A51	11K51	77W09	73W37	11K46



PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
SureLight® Hot Surface Ignitor
Limit Controls

Controls

SureLight® integrated Two-Stage Furnace Control
24 Volt Transformer
Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Upflow/Horizontal applications
Pre-painted cabinet finish.
Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width	"A"	"B"	"C"	"D"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom Width return	13 (330)	16 (406)	19-1/2 (495)	23 (584)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

GAS FURNACES EL280UH ELITE® SERIES

Upflow/Horizontal

AFUE - 80%

Input - 66,000 to 132,000 Btuh

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ACCESSORIES

See page 29

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- Thermostat

Filter Kits

- Air Filter and Rack Kits

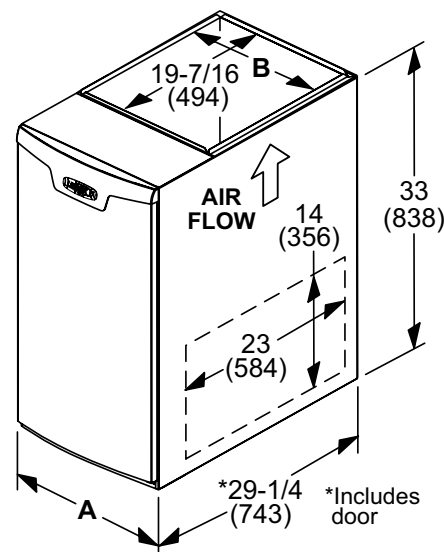
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kit (natural gas only)
- High Altitude Pressure Switch Kit
- Vent Adaptor (Upflow Applications Only)

Service Kits

- Night Service Kit

DIMENSIONS



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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SPECIFICATIONS

Gas Heating Performance	Model No.	EL280UH 070P24A	EL280UH 070P36A	EL280UH 090P36B	EL280UH 090P48B
	Model No. - Low Nox	---	EL280UH 070XP36A	---	EL280UH 090XP48B
	¹ AFUE	80%	80%	80%	80%
High Fire	Input - Btuh	66,000	66,000	88,000	88,000
	Output - Btuh	52,000	53,000	70,000	69,000
	Temperature rise range - °F	40 - 70	30 - 60	35 - 65	30 - 60
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh	43,000	43,000	57,000	57,000
	Output - Btuh	35,000	35,000	46,000	46,000
	Temperature rise range - °F	25 - 55	20 - 50	25 - 55	20 - 50
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
High static - in. w.g.		0.5	0.5	0.5	0.5
Connections in.	Flue connection - in. round	4	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2	1/2
Indoor Blower	Wheel nominal diameter x width - in.	10 x 7	10 x 8	10 x 9	10 x 10
	Motor output - hp	1/5	1/3	1/3	1/2
	Tons of add-on cooling	1.5 - 2	2 - 3.5	2 - 3.5	3 - 4
	Air Volume Range - cfm	492 - 1073	775 - 1620	785 - 1760	1020 - 2030
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	3.1	6.1	6.1	8.2
	Maximum overcurrent protection	15	15	15	15
Shipping Data		lbs. - 1 package	122	126	141

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	EL280UH 110P48C	EL280UH 110P60C	EL280UH 135P60D
	Model No. - Low Nox	---	EL280UH 110XP60C	---
	¹ AFUE	80%	80%	80%
High Fire	Input - Btuh	110,000	110,000	132,000
	Output - Btuh	86,000	87,000	106,000
	Temperature rise range - °F	35 - 65	30 - 60	35 - 65
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
Low Fire	Input - Btuh	72,000	72,000	86,000
	Output - Btuh	58,000	58,000	70,000
	Temperature rise range - °F	25 - 55	20 - 50	25 - 55
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9
High static - in. w.g.		0.5	0.5	0.5
Connections in.	Flue connection - in. round	4	4	² 4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nominal diameter x width - in.	10 x 10	11-1/2 x 10	11 x 11
	Motor output - hp	1/2	1	1
	Tons of add-on cooling	3 - 4	4 - 5	4 - 5
	Air Volume Range - cfm	1050 - 2125	1470 - 2520	1435 - 2750
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	8.2	10	11.5
	Maximum overcurrent protection	15	15	15
Shipping Data		lbs. - 1 package	161	169

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Two-Speed Combustion Air Inducer
Two-Stage Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
SureLight® Hot Surface Ignitor
Limit Controls

Controls

SureLight® Integrated Two-Stage Furnace Control
24 Volt Transformer
Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Downflow applications
Pre-painted cabinet finish.
Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width	"A"	"B"	"C"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)
Bottom Width	13 (330)	16 (406)	19-1/2 (495)
Depth	19-1/4 (489)	19-1/4 (489)	19-1/4 (489)

GAS FURNACES EL280DF ELITE® SERIES

Downflow
AFUE - 80%
Input - 66,000 to 110,000 Btuh

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ACCESSORIES

See page 29

Cabinet

- Downflow Combustible Flooring Base

Controls

- Thermostat

Filter Kits

- Downflow Filter Kits

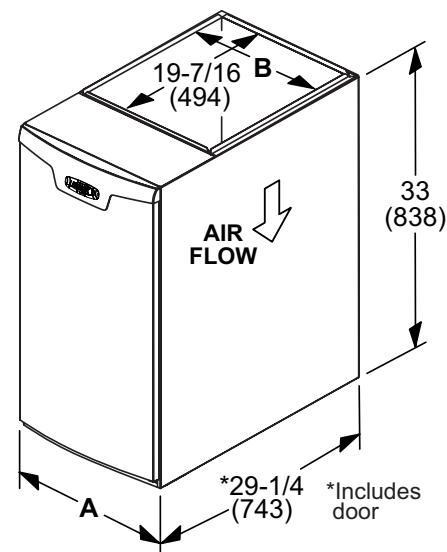
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kit (natural gas only)
- High Altitude Pressure Switch Kit

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	EL280DF070P36A	EL280DF090P48B	EL280DF110P60C
		¹ AFUE	80%	80%	80%
High Fire	Input - Btuh	66,000	88,000	110,000	
	Output - Btuh	52,000	69,000	87,000	
	Temperature rise range - °F	30 - 60	35 - 65	40 - 70	
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	
Low Fire	Input - Btuh	43,000	57,000	72,000	
	Output - Btuh	35,000	46,000	59,000	
	Temperature rise range - °F	20 - 50	20 - 50	25 - 55	
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.9	1.7 / 4.9	1.7 / 4.9	
High static - in. w.g.		0.5	0.5	0.5	
Connections in.	Flue connection - in. round	4	4	4	
	Gas pipe size IPS	1/2	1/2	1/2	
Indoor Blower	Wheel nominal diameter x width - in.	10 x 8	10 x 10	11-1/2 x 10	
	Motor output - hp	1/3	1/2	1	
	Tons of add-on cooling	2 - 3.5	3 - 4	4 - 5	
	Air Volume Range - cfm	717 - 1562	917 - 1929	1517 - 2760	
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	6.1	8.2	11.5	
	Maximum overcurrent protection	15	15	15	
Shipping Data	lbs. - 1 package	128	140	160	

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACES CANNOT BE TWINNED!

		"A" Width	"B" Width	"C" Width	"D" Width
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only		11M59	11M60	11M61	- - -
Horizontal Suspension Kit - Horizontal only		51W10	51W10	51W10	51W10
Return Air Base - Upflow only		65W75	50W98	50W99	51W00
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet		51W06	51W07	51W08	- - -
No. and Size of filter - in.		(1) 20 x 20 x 1	(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -
FILTERS					
¹ Air Filter and Rack Kit	Horizontal (end)	87L95	87L96	87L97	87L98
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1
	Side Return	44J22	44J22	44J22	44J22
	Ten Pack	66K63	66K63	66K63	66K63
	Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
SERVICE KIT					
Night Service Kit		84W46	84W46	84W46	84W46
VENTING					
Vent Adaptor – 6 in. connection size upflow applications only		18M79	18M79	18M79	18M79

¹ Cleanable polyurethane, frame-type filter.

GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit					Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit
	0 - 4500 ft.	4501 - 7500 ft.		7501 - 10,000 ft.		0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.
		UH	DF	UH	DF				
070	No Change	91W53	No Change	73W35	73W36	11K51	77W09	73W37	11K46
090	No Change	91W53	No Change	73W35	73W36	11K51	77W09	73W37	11K46
110	No Change	91W53	No Change	73W35	73W35	11K51	77W09	73W37	11K46
135	No Change	73W33	- - -	73W34	- - -	11K51	77W09	73W37	11K46

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PRODUCT CATALOG

GAS FURNACES EL195UHE ELITE® SERIES

Upflow/Horizontal - High Efficiency Blower Motor
Direct/Non-Direct Vent
AFUE - 95% - Input - 30,000 to 132,000 Btuh

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FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Control

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

Non-Direct Vent - combustion air supplied from indoors

Controls

SureLight® Integrated Furnace Control

24 Volt Transformer

Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Upflow, downflow, horizontal-left or horizontal-right applications without any internal modifications to the unit. Pre-painted cabinet finish.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.



ACCESSORIES

See page 35

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Horizontal Suspension Kit
- Return Air Base

Controls

- Blower Motor Relay Kit
- Thermostat

Filter Kits

- Air Filter and Rack Kits

Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

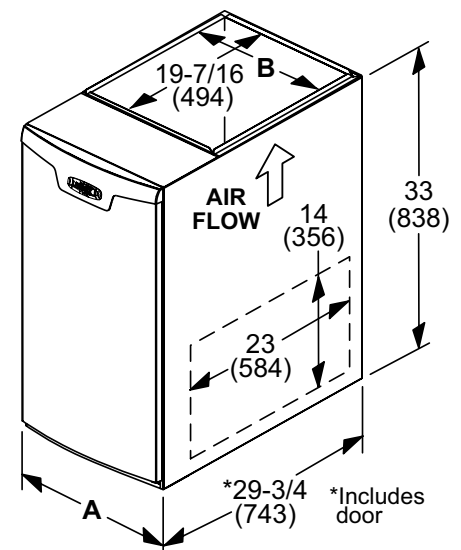
LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width		"B"	"C"	"D"
A Dimension	Width	17-1/2 (446)	21 (533)	24-1/2 (622)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)
B Dimension	Width	16-3/8 (416)	19-7/8 (454)	23-3/8 (594)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	EL195UH030XE24B	EL195UH045XE24B	EL195UH045XE36B	EL195UH070XE36B
	¹ AFUE	95%	95%	95%	95%
	Input - Btuh	30,000	44,000	44,000	66,000
	Output - Btuh	28,000	42,000	42,000	63,000
	Temperature rise range - °F	30 - 60	35 - 65	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.)	3.5 / 10	3.5 / 10	3.5 / 10	3.5 / 10
	Nat. Gas / LPG/Propane				
	High static - in. w.g.	0.5	0.5	0.5	0.5
Energy Star® Certified		Yes	Yes	Yes	Yes
Connections	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2
in.	Gas pipe size IPS	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 8	10 x 8	10 x 8
	Motor Type	DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	1/2	1/2
	Tons of add-on cooling	1 - 2	1 - 2	1.5 - 3	1.5 - 3
	Air Volume Range - cfm	260 - 990	260 - 990	520 - 1345	550 - 1380
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	6.8	6.8	6.8	6.8
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	129	129	129	134

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	EL195UH090XE48C	EL195UH110XE60C	EL195UH135XE60D
	¹ AFUE	95%	95%	95%
	Input - Btuh	88,000	110,000	132,000
	Output - Btuh	85,000	106,000	128,000
	Temperature rise range - °F	40 - 70	45 - 75	50 - 80
	Gas Manifold Pressure (in. w.g.)	3.5 / 10	3.5 / 10	3.5 / 10
	Nat. Gas / LPG/Propane			
	High static - in. w.g.	0.5	0.5	0.5
Energy Star® Certified		Yes	Yes	No
Connections	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2
in.	Gas pipe size IPS	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 10	11-1/2 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	3/4	1	1
	Tons of add-on cooling	2.5 - 4	3 - 5	3.5 - 5
	Air Volume Range - cfm	760 - 1740	1055 - 2220	1260 - 2405
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	8.4	10.9	10.9
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	158	170	187

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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PRODUCT CATALOG

GAS FURNACES EL195DFE ELITE® SERIES

Downflow - High Efficiency Blower Motor
Direct/Non-Direct Vent
AFUE - 95% - Input - 44,000 to 110,000 Btuh

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February 2018

Supersedes January 2018

FEATURES

Heating System

Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Control

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied from outdoors

Non-Direct Vent - combustion air supplied from indoors

Controls

SureLight® Integrated Furnace Control

24 Volt Transformer

Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Downflow applications.

Pre-painted cabinet finish.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace supply air opening with the same letter designation (A, B, C, D) as in the furnace model number.



ACCESSORIES

See page 35

Cabinet

- Downflow Combustible Flooring Base
- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit

Controls

- Blower Motor Relay Kit
- Thermostat

Filter Kits

- Downflow Filter Kits

Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kits
- High Altitude Pressure Switch Kits
- Termination Kits

Service Kits

- Night Service Kit

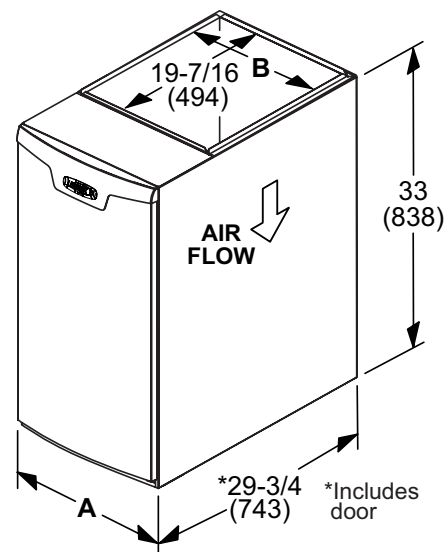
LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width		"B"	"C"
A Dimension		17-1/2	21
		(446)	(533)
B Dimension		16-3/8	19-7/8
		(416)	(454)
Bottom supply	Width	16	19-1/2
		(406)	(495)
	Depth	19-1/4	19-1/4
		(489)	(489)

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	EL195DF045XE36B	EL195DF070XE48B	EL195DF090XE48C	EL195DF110XE60C
¹ AFUE			95%	95%	95%	95%
Input - Btuh			44,000	66,000	88,000	110,000
Output - Btuh			42,000	64,000	85,000	106,000
Temperature rise range - °F			25 - 55	25 - 55	40 - 70	40 - 70
Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane			3.5 / 10	3.5 / 10	3.5 / 10	3.5 / 10
High static - in. w.g.			0.5	0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)		2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS		1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.		3/4	3/4	3/4	3/4
	with furnished 90° street elbow		3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.		3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.		10 x 8	11-1/2 x 10	10 x 10	11 x 11
	Motor Type		DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp		1/2	3/4	3/4	1
	Tons of add-on cooling		1.5 - 3	2 - 4	2 - 4	3 - 5
	Air Volume Range - cfm		485 - 1395	520 - 1770	760 - 1765	1045 - 2285
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.8	8.4	8.4	10.9
	Maximum overcurrent protection		15	15	15	15
Shipping Data	lbs. - 1 package		131	144	160	174

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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**OPTIONAL ACCESSORIES - ORDER SEPARATELY**

NOTE - FURNACE CANNOT BE TWINNED!

		"B" Width	"C" Width	"D" Width	
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only		11M60	11M61	- - -	
Horizontal Suspension Kit - Horizontal only		51W10	51W10	51W10	
Return Air Base - Upflow only		50W98	50W99	51W00	
CONDENSATE DRAIN KITS					
Condensate Drain Heat Cable	6 ft.	26K68	26K68	26K68	
	24 ft.	26K69	26K69	26K69	
Crawl Space Vent Drain Kit	U.S.	51W18	51W18	51W18	
	Canada	15Z70	15Z70	15Z70	
CONTROLS					
Blower Motor Relay Kit		85W66	85W66	85W66	
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet		51W07	51W08	- - -	
¹ No. and size of filter - in.		(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -	
UPFLOW/HORIZONTAL FILTER KITS					
¹ Air Filter and Rack Kit	Horizontal (end)	87L96	87L97	87L98	
	Size of filter - in.	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1	
	Side Return	44J22	44J22	44J22	
	Single	66K63	66K63	66K63	
	Ten Pack	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	
SERVICE KIT					
Night Service Kit		84W48	84W48	84W48	
TERMINATION KITS - Direct Vent Applications Only. See Installation Instructions for specific venting information.					
Termination Kits	Concentric	U.S. - 2 in.	71M80	69M29	- - -
		3 in.	- - -	60L46	60L46
		Canada - 2 in.	44W92	44W92	- - -
		3 in.	- - -	44W93	44W93
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	51W11	51W11	51W11
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12
	Wall - Close Couple	U.S. - 2 in.	22G44	- - -	- - -
		3 in.	44J40	44J40	44J40
	Wall - Close Couple WTK	Canada - 2 in.	30G28	- - -	- - -
		3 in.	81J20	81J20	81J20
	Termination Kits	Roof	2 in.	15F75	- - -
		Wall Ring Kit	2 in.	15F74	³ 15F74
² Roof Termination Flashing Kit (2 flashings)		3 in.	44J41	44J41	44J41

¹ Cleanable frame type filter.² Kits contain enough parts for two, non-direct vent installations.³ Non-direct vent only.

NOTE - Termination Kits (44W92, 44W93, 30G28, 51W12, 81J20) and Crawl Space Vent Drain Kit (15Z70) are certified to ULC S636 standard for use in Canada only.

GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit		Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.
030	No Change	93W87	13X54	N/A	14C90	14C91
045	No Change	93W87	11K49	73W81	73W37	68W68
070	93W93	93W86	11K49	73W81	73W37	68W68
090	93W92	93W86	11K49	73W81	73W37	68W68
110	93W93	93W86	11K49	73W81	73W37	68W68
135	93W92	93W86	11K49	73W81	73W37	68W68

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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Hot Surface, Nitride Ignitor
Combustion Air Inducer
Limit Control

Controls

SureLight® Integrated Furnace Control

24 Volt Transformer

Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Upflow/Horizontal applications
Pre-painted cabinet finish.
Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width	"A"	"B"	"C"	"D"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom Width return	13 (330)	16 (406)	19-1/2 (504)	23 (594)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

GAS FURNACES EL180UHE ELITE® SERIES

Upflow/Horizontal - High Efficiency Blower Motor

AFUE - 80%

Input - 44,000 to 132,000 Btuh

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February 2018

Supersedes January 2018

ACCESSORIES

See page 41

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- Blower Motor Relay Kit
- Thermostat

Filter Kits

- Air Filter and Rack Kits

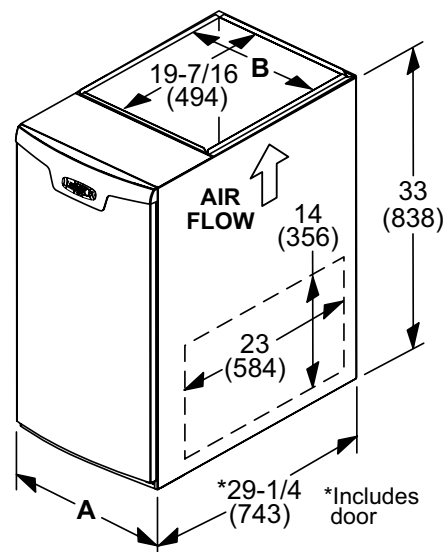
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kit (natural gas only)
- High Altitude Pressure Switch Kit
- Add Vent Adaptor

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No. Model No. - Low Nox	EL180UH045E36A EL180UH045XE36A	EL180UH070E36B EL180UH070XE36B	EL180UH090E48B EL180UH090XE48B
	¹ AFUE	80%	80%	80%
	Input - Btuh	44,000	66,000	88,000
	Output - Btuh	36,000	53,000	72,000
	Temperature rise range - °F	15 - 45	40 - 70	35 - 65
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
High Static - in. w.g.		0.50	0.50	0.50
Connections	Flue connection - in. round	4	4	4
in.	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 10	10 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	3/4
	Tons of add-on cooling	1.5 - 3	1.5 - 3	2.5 - 4
	Air Volume Range - cfm	350 - 1380	395 - 1415	750 - 1785
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	6.8	6.8	8.4
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	111	127	142

SPECIFICATIONS

Gas Heating Performance	Model No. Model No. - Low Nox	EL180UH090E60C ---	EL180UH110E60C EL180UH110XE60C	EL180UH135E60D ---
	¹ AFUE	80%	80%	80%
	Input - Btuh	88,000	110,000	132,000
	Output - Btuh	72,000	90,000	107,000
	Temperature rise range - °F	30 - 60	35 - 65	30 - 60
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
High Static - in. w.g.		0.50	0.50	0.50
Connections	Flue connection - in. round	4	4	4
in.	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	11-1/2 x 10	11-1/2 x 10	11 x 11
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1	1	1
	Tons of add-on cooling	3 - 5	3 - 5	3.5 - 5
	Air Volume Range - cfm	990 - 2290	920 - 2315	1140 - 2495
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	10.9	10.9	10.9
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	152	160	178

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Controls

Controls

SureLight® Integrated Furnace Control

24 Volt Transformer

Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Downflow applications

Pre-painted cabinet finish.

Fully insulated cabinet with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width	"A"	"B"	"C"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (505)
Bottom Width return	13 (330)	16 (406)	19-1/2 (495)
Depth	19-1/4 (489)	19-1/4 (489)	19-1/4 (489)

ACCESSORIES

See page 41

Cabinet

- Downflow Combustible Flooring Base

Controls

- Blower Motor Relay Kit
- Thermostat

Filters

- Downflow Filter Kits

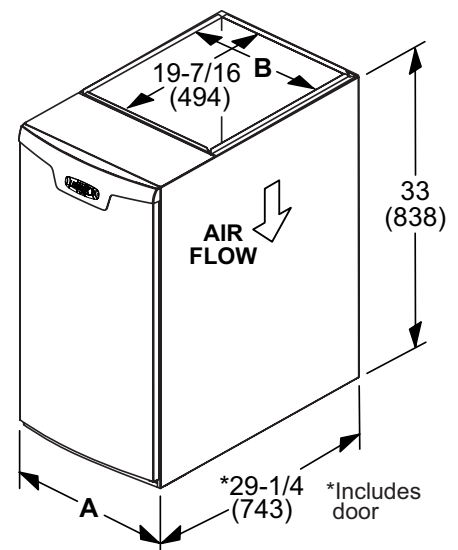
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

		Model No.	EL180DF045E36A	EL180DF070E36B	EL180DF090E48B	EL180DF110E60C
Gas Heating Performance	¹ AFUE		80%	80%	80%	80%
	Input - Btuh		44,000	66,000	88,000	110,000
	Output - Btuh		36,000	54,000	72,000	90,000
	Temperature rise range - °F		15 - 45	30 - 60	30 - 60	30 - 60
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
High Static - in. w.g.			0.50	0.50	0.50	0.50
Connections in.	Flue connection - in. round		4	4	4	4
	Gas pipe size IPS		1/2	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.		10 x 8	10 x 10	10 x 10	11-1/2 x 10
	Motor Type		Brushless Motor	Brushless Motor	Brushless Motor	Brushless Motor
	Motor output - hp		1/2	1/2	3/4	1
	Tons of add-on cooling		1.5 - 3	1.5 - 3	2.5 - 4	3 - 5
	Air Volume Range - cfm		355 - 1430	430 - 1475	680 - 1750	990 - 2410
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.8	6.8	8.4	10.9
	Maximum overcurrent protection		15	15	15	15
Shipping Data		lbs. - 1 package	113	128	140	160

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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**OPTIONAL ACCESSORIES - ORDER SEPARATELY**

NOTE - FURNACE CANNOT BE TWINNED!

	“A” Width	“B” Width	“C” Width	“D” Width	
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only	11M59	11M60	11M61	- - -	
Horizontal Suspension Kit - Horizontal only	51W10	51W10	51W10	51W10	
Return Air Base - Upflow only	65W75	50W98	50W99	51W00	
CONTROLS					
Blower Motor Relay Kit	85W66	85W66	85W66	85W66	
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet	51W06	51W07	51W08	- - -	
¹ No. and size of filter - in.	(1) 20 x 20 x 1	(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -	
SERVICE KIT					
Night Service Kit	84W47	84W47	84W47	84W47	
UPFLOW/HORIZONTAL FILTER KITS					
¹ Air Filter and Rack Kit	Horizontal (end)	87L95	87L96	87L97	87L98
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1
	Side Return	44J22	44J22	44J22	44J22
	Ten Pack	66K63	66K63	66K63	66K63
	Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
VENTING					
Vent Adaptor - 6 in. connection size upflow applications only	18M79	18M79	18M79	18M79	

¹ Cleanable frame type filter.**GAS HEAT ACCESSORIES**

Input	High Altitude Pressure Switch Kit			Natural Gas to LPG/Propane Kit		LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit
	0 - 4500 ft.	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.
045	No Change	80W52 (upflow) (no change for downflow)	80W51	11K49	11K44	73W81	73W37
070	No Change	80W52	80W51	11K49	11K44	73W81	73W37
090	No Change	80W52 (upflow) (no change for downflow)	80W51	11K49	11K44	73W81	73W37
110	No Change	80W57	80W52	11K49	11K44	73W81	73W37
135	No Change	80W52	80W51	11K49	11K44	73W81	73W37

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PRODUCT CATALOG

GAS FURNACES ML195UH MERIT® SERIES

Upflow/Horizontal - Direct/Non-Direct Vent
AFUE - 95%
Input - 44,000 to 132,000 Btuh

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February 2018

Supersedes January 2018

FEATURES

Heating System

Lennox Designed Aluminized Steel
Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety
Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Control

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied
from outdoors

Non-Direct Vent - combustion air
supplied from indoors

Controls

SureLight® Integrated Furnace
Control

Built-in Twinning Capability
24 Volt Transformer

Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Upflow/Horizontal applications

Pre-painted cabinet finish.

Foil-faced insulation on sides and
back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased
upflow indoor coils and horizontal
indoor coils with same letter
designation (A, B, C, D) as in the
furnace model number.



ACCESSORIES

See page 47

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Horizontal Suspension Kit
- Return Air Base

Controls

- Thermostat

Filter Kits

- Air Filter and Rack Kits

Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits
- High Altitude Orifice Kits
- Termination Kits

Service Kits

- Night Service Kit

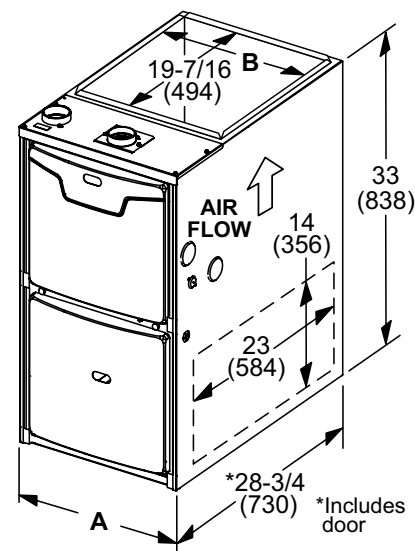
LIMITED WARRANTY

Heat Exchanger - Twenty-year
transferable. All other covered
components - five years.

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

Furnace Width		"B"	"C"	"D"
A Dimension	Width	17-1/2 (446)	21 (533)	24-1/2 (622)
	Depth	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom return	Width	16 (406)	19-1/2 (495)	23 (584)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

DIMENSIONS



NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
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SPECIFICATIONS

Gas Heating Performance	Model No.	ML195UH 045XP24B	ML195UH 045XP36B	ML195UH 070XP36B	ML195UH 090XP36C
	¹ AFUE	95%	95%	95%	95%
	Input - Btuh	44,000	44,000	66,000	88,000
	Output - Btuh	41,000	42,000	64,000	85,000
	Temperature rise range - °F	35 - 65	25 - 55	40 - 70	40 - 70
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	High static - in. w.g.	0.5	0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 8	10 x 8	10 x 8
	Motor output - hp	1/5	1/3	1/3	1/3
	Tons of add-on cooling	1.5 - 2	2 - 3	2.5 - 3	2 - 3
	Air Volume Range - cfm	390 - 1140	700 - 1605	650 - 1585	655 - 1630
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	3.1	6.1	6.1	6.1
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	119	121	127	142

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	ML195UH 090XP48C	ML195UH 090XP60C	ML195UH 110XP48C	ML195UH 110XP60C	ML195UH 135XP60D
	¹ AFUE	95%	95%	95%	95%	95%
	Input - Btuh	88,000	88,000	110,000	110,000	132,000
	Output - Btuh	85,000	85,000	105,000	106,000	126,000
	Temperature rise range - °F	40 - 70	30 - 60	40 - 70	40 - 70	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	High static - in. w.g.	0.5	0.5	0.5	0.5	0.5
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	1/2	1/2
	with furnished 90° street elbow (slip x Mipt)	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 10	11-1/2 x 10	10 x 10	11-1/2 x 10	11-1/2 x 10
	Motor output - hp	1/2	1	1/2	1	1
	Tons of add-on cooling	3 - 4	4 - 5	3 - 4	4 - 5	4 - 5
	Air Volume Range - cfm	900 - 2140	1290 - 2445	715 - 2000	1235 - 2485	1135 - 2595
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase				
	Blower motor full load amps	8.2	11.5	8.2	11.5	11.5
	Maximum overcurrent protection	15	15	15	15	15
Shipping Data	lbs. - 1 package	147	152	159	164	177

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

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PRODUCT CATALOG

GAS FURNACES ML195DF MERIT® SERIES

Downflow - Direct/Non-Direct Vent
AFUE - 95%
Input - 44,000 to 110,000 Btuh

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February 2018

Supersedes January 2018

FEATURES

Heating System

Lennox Designed Aluminized Steel
Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety
Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Control

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied
from outdoors

Non-Direct Vent - combustion air
supplied from indoors

Controls

SureLight® Integrated Furnace
Control

Built-in Twinning Capability
24 Volt Transformer

Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Downflow applications

Pre-painted cabinet finish.

Foil-faced insulation on sides and
back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will
physically match the furnace supply
air opening with the same letter
designation (A, B, C, D) as in the
furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year
transferable. All other covered
components - five years.

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

Furnace Width		"B"	"C"
A Dimension	Width	17-1/2 (446)	21 (533)
	Depth	16-3/8 (416)	19-7/8 (454)
Bottom supply	Width	16 (406)	19-1/2 (495)
	Depth	19-1/4 (489)	19-1/4 (489)

ACCESSORIES

See page 47

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Downflow Combustible Flooring
Base

Controls

- Thermostat

Filter Kits

- Downflow Filter Kits

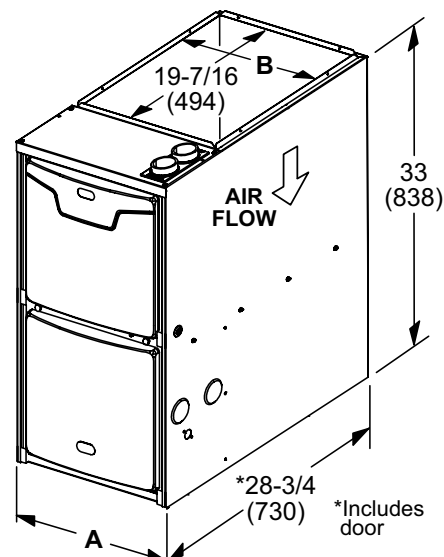
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits
- High Altitude Orifice Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

		Model No.	ML195DF045XP36B	ML195DF070XP36B	ML195DF090XP60C	ML195DF110XP60C
Gas Heating Performance	¹ AFUE		95%	95%	95%	95%
	Input - Btuh		44,000	66,000	88,000	110,000
	Output - Btuh		43,000	64,000	86,000	106,000
	Temperature rise range - °F		25 - 55	35 - 65	30 - 60	40 - 70
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	High static - in. w.g.		0.50	0.50	0.50	0.50
Connections in.	Intake / Exhaust Pipe (PVC)		2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS		1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.		3/4	3/4	3/4	3/4
	with furnished 90° street elbow		3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.		3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.		10 x 8	10 x 8	11 ½ x 10	11 ½ x 10
	Motor output - hp		1/3	1/3	1	1
	Tons of add-on cooling		2.5 - 3	2.5 - 3	4 - 5	4 - 5
	Air Volume Range - cfm		605 - 1615	560 - 1505	1270 - 2305	1210 - 2410
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.1	6.1	11.5	11.5
	Maximum overcurrent protection		15	15	15	15
Shipping Data	lbs. - 1 package		121	127	152	164

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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ML195UH, ML195DF - OPTIONAL ACCESSORIES

PRODUCT CATALOG

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

			“B” Width	“C” Width	“D” Width
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only			11M60	11M61	11M62
Horizontal Suspension Kit - Horizontal only			51W10	51W10	51W10
Return Air Base - Upflow only			50W98	50W99	51W00
CONDENSATE DRAIN KITS					
Condensate Drain Heat Cable	6 ft.		26K68	26K68	26K68
	24 ft.		26K69	26K69	26K69
Crawl Space Vent Drain Kit	U.S.		51W18	51W18	51W18
	Canada		15Z70	15Z70	15Z70
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet			51W07	51W08	---
4 No. and size of filter - in.			(2) 16 x 20 x 1	(2) 16 x 20 x 1	---
UPFLOW/HORIZONTAL FILTER KITS					
1 Air Filter and Rack Kit	Horizontal (end)	Size of filter - in.	87L96 - 18 x 25 x 1	87L97 - 20 x 25 x 1	87L98 - 25 x 25 x 1
		Single	44J22	44J22	44J22
	Side Return	Ten Pack	66K63	66K63	66K63
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
SERVICE KIT					
Night Service Kit			68W80	68W80	68W80
TERMINATION KITS					
See Installation Instructions for specific venting information.					
Termination Kits - Direct Vent Applications Only	Concentric	U.S. - 2 in.	71M80	69M29	---
		3 in.	---	60L46	60L46
		Canada - 2 in.	44W92	44W92	---
		3 in.	---	44W93	44W93
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	51W11	51W11	51W11
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12
	Wall - Close Couple	2 in.	22G44	---	---
		3 in.	44J40	44J40	44J40
	Close Couple WTK	2 in.	30G28	---	---
		3 in.	81J20	81J20	81J20
Termination Kits - Direct or Non-Direct vent	Roof	2 in.	15F75	15F75	---
	Wall - Wall Ring Kit	2 in.	15F74	3 15F74	---
2 Roof Termination Flashing Kit (2 flashings)		3 in.	44J41	44J41	44J41

¹ Cleanable polyurethane frame type filter.

² Kits contain enough parts for two, non-direct vent installations.

³ Non-direct vent only.

NOTE - Termination Kits (44W92, 44W93, 30G28, 51W12, 81J20) and Crawl Space Vent Drain Kit (15Z70) are certified to ULC S636 standard for use in Canada only.

GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit		Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit	¹ 36K Derate Kit (Natural Gas)
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.	0 - 10,000 ft.
045	No Change	11U65	11K49	73W81	73W37	11K44	10K55
070	11U71	11U64	11K49	73W81	73W37	11K44	---
090	11U70	11U64	11K49	73W81	73W37	11K44	---
110	11U71	11U64	11K49	73W81	73W37	11K44	---
135	11U70	11U64	11K49	73W81	73W37	11K44	---

¹ NOTE - 36K Derate Kit information - Reduced Input is 36,000 Btuh, output is 34,200 Btuh.

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PRODUCT CATALOG

GAS FURNACES ML193UH MERIT® SERIES

Upflow/Horizontal - Direct/Non-Direct Vent
AFUE - 93%
Input - 44,000 to 132,000 Btuh

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Supersedes January 2018

FEATURES

Heating System

Lennox Designed Aluminized Steel
Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety
Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Control

Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied
from outdoors

Non-Direct Vent - combustion air
supplied from indoors

Controls

SureLight® Integrated Furnace
Control

Built-in Twinning Capability
24 Volt Transformer

Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Upflow/Horizontal applications

Pre-painted cabinet finish.

Foil-faced insulation on sides and
back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased
upflow indoor coils and horizontal
indoor coils with same letter
designation (A, B, C, D) as in the
furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year
transferable. All other covered
components - five years.

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

Furnace Width	"B"	"C"	"D"
A Dimension	17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom return	Width	16 (406)	19-1/2 (495)
	Depth	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

See page 53

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Horizontal Suspension Kit
- Return Air Base

Controls

- Thermostat

Filter Kits

- Air Filter and Rack Kits

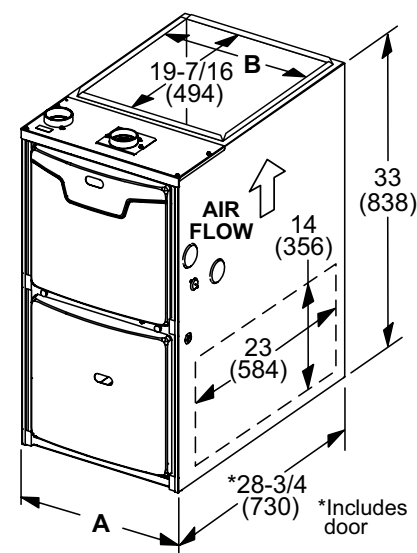
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits
- High Altitude Orifice Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	ML193UH 045XP24B	ML193UH 045XP36B	ML193UH 070XP24B	ML193UH 070XP36B	ML193UH 090XP36C
	¹ AFUE	93%	93%	93%	93%	93%
	Input - Btuh	44,000	44,000	66,000	66,000	88,000
	Output - Btuh	41,000	42,000	62,000	62,000	83,000
	Temperature rise range - °F	35 - 65	25 - 55	50 - 80	40 - 70	50 - 80
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	High static - in. w.g.	0.50	0.50	0.50	0.50	0.50
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8
	Motor output - hp	1/5	1/3	1/5	1/3	1/3
	Tons of add-on cooling	1.5 - 2	2.5 - 3	1.5 - 2	2.5 - 3	2 - 3
	Air Volume Range - cfm	390 - 1140	700 - 1600	390 - 1140	660 - 1615	695 - 1620
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase				
	Blower motor full load amps	3.1	6.1	3.1	6.1	6.1
	Maximum overcurrent protection	15	15	15	15	15
Shipping Data	lbs. - 1 package	120	122	125	127	143

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	ML193UH 090XP48C	ML193UH 110XP48C	ML193UH 110XP60C	ML193UH 135XP60D
	¹ AFUE	93%	93%	93%	93%
	Input - Btuh	88,000	110,000	110,000	132,000
	Output - Btuh	83,000	104,000	104,000	124,000
	Temperature rise range - °F	40 - 70	50 - 80	40 - 70	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	High static - in. w.g.	0.50	0.50	0.50	0.50
Connections in.	Intake / Exhaust Pipe (PVC)	2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS	1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.	3/4	3/4	3/4	3/4
	with furnished 90° street elbow	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.	10 x 10	10 x 10	11 ½ x 10	11 ½ x 10
	Motor output - hp	1/2	1/2	1	1
	Tons of add-on cooling	3 - 4	3 - 4	4 - 5	4 - 5
	Air Volume Range - cfm	900 - 2025	850 - 2030	1210 - 2525	1340 - 2800
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	8.2	8.2	11.5	11.5
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	146	155	161	178

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PRODUCT CATALOG

GAS FURNACES ML193DF MERIT® SERIES

Downflow - Direct/Non-Direct Vent
AFUE - 93%
Input - 44,000 to 110,000 Btuh

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February 2018

Supersedes January 2018

FEATURES

Heating System

Lennox Designed Aluminized Steel
Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety
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Combustion Air Inducer
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Direct Vent/Non-Direct Vent Sealed Combustion

Direct Vent - combustion air supplied
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Non-Direct Vent - combustion air
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SureLight® Integrated Furnace
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Built-in Twinning Capability
24 Volt Transformer

Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Downflow applications

Pre-painted cabinet finish.

Foil-faced insulation on sides and
back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will
physically match the furnace supply
air opening with the same letter
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LIMITED WARRANTY

Heat Exchanger - Twenty-year
transferable. All other covered
components - five years.

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equipment for details.

Furnace Width		"B"	"C"
A Dimension	Width	17-1/2 (446)	21 (533)
	Depth	16 (406)	19-1/2 (495)
B Dimension	Width	16-3/8 (416)	19-7/8 (454)
	Depth	19-1/4 (489)	19-1/4 (489)

ACCESSORIES

See page 53

Cabinet

- Condensate Kits
- Condensate Drain Heat Cable
- Crawl Space Vent Drain Kit
- Downflow Combustible Flooring
Base

Controls

- Thermostat

Filter Kits

- Downflow Filter Kits

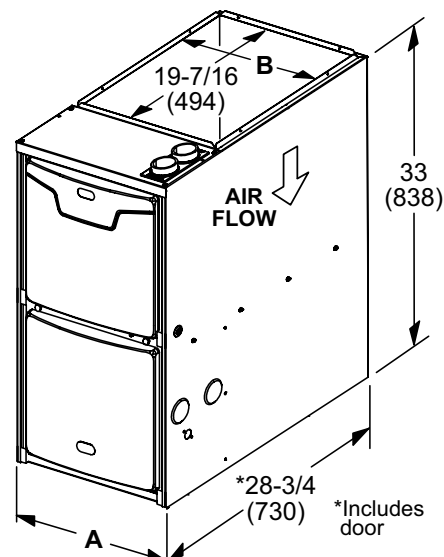
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits
- High Altitude Orifice Kits
- Termination Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	ML193DF045XP36B	ML193DF070XP36B	ML193DF090XP48C	ML193DF110XP60C
¹ AFUE			93%	93%	93%	93%
Input - Btuh			44,000	66,000	88,000	110,000
Output - Btuh			41,000	61,000	82,000	102,000
Temperature rise range - °F			25 - 55	40 - 70	40 - 70	40 - 70
Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane			3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
High static - in. w.g.			0.50	0.50	0.50	0.50
Connections in.	Intake / Exhaust Pipe (PVC)		2 / 2	2 / 2	2 / 2	2 / 2
	Gas pipe size IPS		1/2	1/2	1/2	1/2
	Condensate Drain Trap (PVC pipe) - i.d.		3/4	3/4	3/4	3/4
	with furnished 90° street elbow		3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt	3/4 slip x 3/4 Mipt
	with field supplied (PVC coupling) - o.d.		3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT	3/4 slip x 3/4 MPT
Indoor Blower	Wheel nom. dia. x width - in.		10 x 8	10 x 8	10 x 10	11 ½ x 10
	Motor output - hp		1/3	1/3	1/2	1
	Tons of add-on cooling		2.5 - 3	2.5 - 3	3 - 4	4 - 5
	Air Volume Range - cfm		605 - 1615	560 - 1550	920 - 2145	1210 - 2410
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.1	6.1	8.2	11.5
	Maximum overcurrent protection		15	15	15	15
Shipping Data		lbs. - 1 package	124	129	147	162

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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.



OPTIONAL ACCESSORIES - ORDER SEPARATELY

			"B" Width	"C" Width	"D" Width
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only			11M60	11M61	11M62
Horizontal Suspension Kit - Horizontal only			51W10	51W10	51W10
Return Air Base - Upflow only			50W98	50W99	51W00
CONDENSATE DRAIN KITS					
Condensate Drain Heat Cable	6 ft.		26K68	26K68	26K68
	24 ft.		26K69	26K69	26K69
Crawl Space Vent Drain Kit	U.S.		51W18	51W18	51W18
	Canada		15Z70	15Z70	15Z70
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet			51W07	51W08	---
⁴ No. and size of filter - in.			(2) 16 x 20 x 1	(2) 16 x 20 x 1	---
UPFLOW/HORIZONTAL FILTER KITS					
¹ Air Filter and Rack Kit	Horizontal (end)	Size of filter - in.	87L96 - 18 x 25 x 1	87L97 - 20 x 25 x 1	87L98 - 25 x 25 x 1
	Side Return	Single	44J22	44J22	44J22
		Ten Pack	66K63	66K63	66K63
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
SERVICE KIT					
Night Service Kit			68W80	68W80	68W80
TERMINATION KITS					
See Installation Instructions for specific venting information.					
Termination Kits - Direct Vent Applications Only	Concentric	U.S. - 2 in.	71M80	69M29	---
		3 in.	---	60L46	60L46
		Canada - 2 in.	44W92	44W92	---
		3 in.	---	44W93	44W93
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	51W11	51W11	51W11
		Canada - 2, 2-1/2 or 3 in.	51W12	51W12	51W12
	Wall - Close Couple	2 in.	22G44	---	---
		3 in.	44J40	44J40	44J40
	Close Couple WTK	2 in.	30G28	---	---
		3 in.	81J20	81J20	81J20
Termination Kits - Direct or Non-Direct vent	Roof	2 in.	15F75	15F75	---
	Wall - Wall Ring Kit	2 in.	15F74	³ 15F74	---
² Roof Termination Flashing Kit (2 flashings)			44J41	44J41	44J41

¹ Cleanable polyurethane frame type filter.

² Kits contain enough parts for two, non-direct vent installations.

³ Non-direct vent only.

NOTE - Termination Kits (44W92, 44W93, 30G28, 51W12, 81J20) and Crawl Space Vent Drain Kit (15Z70) are certified to ULC S636 standard for use in Canada only.

GAS HEAT ACCESSORIES

Models	High Altitude Pressure Switch Kit		Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit	LPG/Propane High Altitude Orifice Kit	¹ 36K Derate Kit (Natural Gas)
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.	0 - 10,000 ft.
045	11U65	11U66	11K49	73W81	73W37	11K44	10K55
070, 090, 110	11U65	11U66	11K49	73W81	73W37	11K44	---
135	11U70	11U68	11K49	73W81	73W37	11K44	---

¹ NOTE - 36K Derate Kit information - Reduced Input is 36,000 Btuh, output is 33,500 Btuh.

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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
Hot Surface, Nitride Ignitor
Combustion Air Inducer
Limit Control

Controls

Integrated Furnace Control
24 Volt Transformer
Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Upflow/Horizontal applications
Pre-painted Cabinet Finish
Foil-faced insulation on sides and back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - twenty years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Furnace Width	"A"	"B"	"C"	"D"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom Width return	13 (330)	16 (406)	19-1/2 (495)	23 (584)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

GAS FURNACES ML180UHE MERIT® SERIES

Upflow/Horizontal - High Efficiency Blower Motor

AFUE - 80%

Input - 44,000 to 132,000 Btuh

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February 2018

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ACCESSORIES

See page 59

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- Blower Motor Relay Kit
- Thermostat

Filter Kits

- Air Filter and Rack Kits

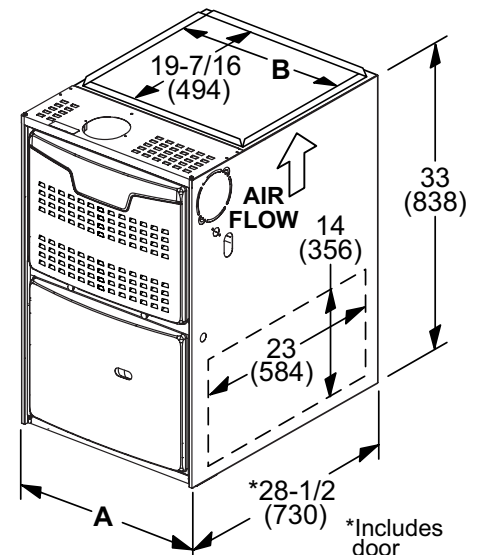
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kit (natural gas only)
- High Altitude Pressure Switch Kit

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	ML180UH045E36A	ML180UH070E36B	ML180UH090E48B
	Model No. - Low Nox	ML180UH045XE36A	ML180UH070XE36B	ML180UH090XE48B
	¹ AFUE	80%	80%	80%
	Input - Btuh	44,000	66,000	88,000
	Output - Btuh	36,000	53,000	72,000
	Temperature rise range - °F	15 - 45	40 - 70	35 - 65
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane			
High Static - in. w.g.		0.50	0.50	0.50
Connections in.	Flue connection - in. round	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 10	10 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	3/4
	Tons of add-on cooling	1.5 - 3	1.5 - 3	2.5 - 4
	Air Volume Range - cfm	350 - 1380	395 - 1415	750 - 1785
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	6.8	6.8	8.4
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	111	127	142

SPECIFICATIONS

Gas Heating Performance	Model No.	ML180UH090E60C	ML180UH110E60C	ML180UH135E60D
	Model No. - Low Nox	- - -	ML180UH110XE60C	- - -
	¹ AFUE	80%	80%	80%
	Input - Btuh	88,000	110,000	132,000
	Output - Btuh	72,000	90,000	107,000
	Temperature rise range - °F	30 - 60	35 - 65	30 - 60
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane			
High Static - in. w.g.		0.50	0.50	0.50
Connections in.	Flue connection - in. round	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	11-1/2 x 10	11-1/2 x 10	11 x 11
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1	1	1
	Tons of add-on cooling	3 - 5	3 - 5	3.5 - 5
	Air Volume Range - cfm	990 - 2290	920 - 2315	1140 - 2495
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	10.9	10.9	10.9
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	152	160	178

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.



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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Duralok™ Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switch
Hot Surface, Nitride Ignitor
Combustion Air Inducer
Limit Controls

Controls

Integrated Furnace Control
24 Volt Transformer
Field Wiring Make-up Box

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor)

Cabinet

Downflow applications
Pre-painted cabinet finish
Foil-faced insulation on sides and back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - twenty years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Furnace Width	"A"	"B"	"C"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)
Bottom Width	13 (330)	16 (406)	19-1/2 (495)
return			
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

GAS FURNACES ML180DFE MERIT® SERIES

Downflow - High Efficiency Blower Motor

AFUE - 80%

Input - 44,000 to 110,000 Btuh

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ACCESSORIES

See page 59

Cabinet

- Downflow Combustible Flooring Base

Controls

- Blower Motor Relay Kit
- Thermostat

Filters

- Downflow Filter Kits

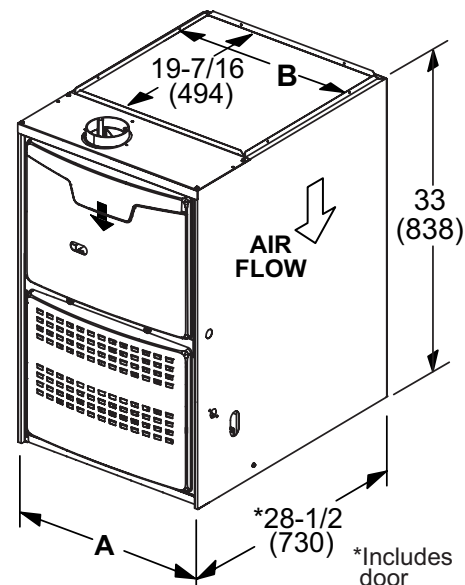
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

		Model No.	ML180DF045E36A	ML180DF070E36B	ML180DF090E48B	ML180DF110E60C
Gas Heating Performance	¹ AFUE		80%	80%	80%	80%
	Input - Btuh		44,000	66,000	88,000	110,000
	Output - Btuh		36,000	54,000	72,000	90,000
	Temperature rise range - °F		15 - 45	30 - 60	30 - 60	30 - 60
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
High Static - in. w.g.			0.50	0.50	0.50	0.50
Connections in.	Flue connection - in. round		4	4	4	4
	Gas pipe size IPS		1/2	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.		10 x 8	10 x 10	10 x 10	11-1/2 x 10
	Motor Type		DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp		1/2	1/2	3/4	1
	Tons of add-on cooling		1.5 - 3	1.5 - 3	2.5 - 4	3 - 5
	Air Volume Range - cfm		355 - 1430	430 - 1475	680 - 1750	990 - 2410
Electrical Data	Voltage		120 volts - 60 hertz - 1 phase			
	Blower motor full load amps		6.8	6.8	8.4	10.9
	Maximum overcurrent protection		15	15	15	15
Shipping Data	lbs. - 1 package		113	128	140	160

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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**OPTIONAL ACCESSORIES - ORDER SEPARATELY**

NOTE - FURNACE CANNOT BE TWINNED!

	“A” Width	“B” Width	“C” Width	“D” Width	
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only	11M59	11M60	11M61	- - -	
Horizontal Suspension Kit - Horizontal only	51W10	51W10	51W10	51W10	
Return Air Base - Upflow only	65W75	50W98	50W99	51W00	
CONTROLS					
Blower Motor Relay Kit (for two-stage outdoor units)	85W66	85W66	85W66	85W66	
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet	51W06	51W07	51W08	- - -	
¹ No. and size of filter - in.	(1) 20 x 20 x 1	(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -	
SERVICE KIT					
Night Service Kit	84W47	84W47	84W47	84W47	
UPFLOW/HORIZONTAL FILTER KITS					
¹ Air Filter and Rack Kit	Horizontal (end)	87L95	87L96	87L97	87L98
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1
	Side Return	44J22	44J22	44J22	44J22
	Ten Pack	66K63	66K63	66K63	66K63
	Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
VENTING					
Vent Adaptor - 6 in. connection size upflow applications only	18M79	18M79	18M79	18M79	

¹ Cleanable frame type filter.**GAS HEAT ACCESSORIES**

Input	High Altitude Pressure Switch Kit			Natural Gas to LPG/Propane Kit		LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit
	0 - 4500 ft.	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.
045	No Change	80W52 (upflow) (no change for downflow)	80W51	11K49	11K44	73W81	73W37
070	No Change	80W52	80W51	11K49	11K44	73W81	73W37
090	No Change	80W52 (upflow) (no change for downflow)	80W51	11K49	11K44	73W81	73W37
110	No Change	80W52	80W52	11K49	11K44	73W81	73W37
135	No Change	80W52	80W51	11K49	11K44	73W81	73W37

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PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Lennox Designed Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switches
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Control

Controls

SureLight® Integrated Furnace Control
Built-in Twinning Capability
24 Volt Transformer
Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Upflow/Horizontal applications
Pre-painted cabinet finish.
Foil-faced insulation on sides and back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All furnaces match Lennox cased upflow indoor coils and horizontal indoor coils with same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width	"A"	"B"	"C"	"D"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)	24-1/2 (622)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)	23-3/8 (546)
Bottom Width return	13 (330)	16 (406)	19-1/2 (495)	23 (584)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

GAS FURNACES ML180UH MERIT® SERIES

Upflow/Horizontal
AFUE - 80%
Input - 44,000 to 132,000 Btuh

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ACCESSORIES

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- Thermostat

Filter Kits

- Air Filter and Rack Kits

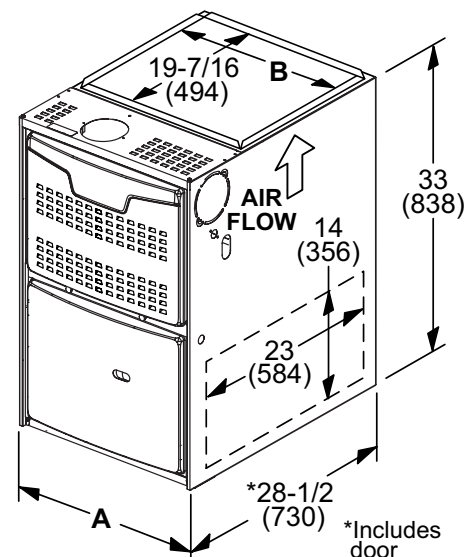
Gas Heating

- Gas Conversion Kits
- High Altitude Orifice Kit (natural gas only)
- High Altitude Pressure Switch Kit

Service Kits

- Night Service Kit
- Universal Service Kit - Switches

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	Model No.	ML180UH 045P24A	ML180UH 045P36A	ML180UH 070P24A	ML180UH 070P36A	ML180UH 090P36B
	Model No. - Low Nox	---	ML180UH 045XP36A	---	ML180UH 070XP36A	---
	¹ AFUE	80%	80%	80%	80%	80%
	Input - Btuh	44,000	44,000	66,000	66,000	88,000
	Output - Btuh	35,000	35,000	54,000	54,000	71,000
	Temperature rise range - °F	20 - 50	15 - 45	30 - 60	30 - 60	25 - 55
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane					
High Static - in. w.g.		0.50	0.50	0.50	0.50	0.50
Connections in.	Flue connection - in. round	4	4	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 7	10 x 8	10 x 7	10 x 8	10 x 9
	Motor output - hp	1/5	1/3	1/5	1/3	1/3
	Tons of add-on cooling	1.5 - 2	2 - 3	1.5 - 2	2 - 3	2 - 3
	Air Volume Range - cfm	345 - 1130	650 - 1670	420 - 1160	785 - 1660	680 - 1795
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase				
	Blower motor full load amps	3.1	6.1	3.1	6.1	6.1
	Maximum overcurrent protection	15	15	15	15	15
Shipping Data	lbs. - 1 package	105	110	114	119	131

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	ML180UH 090P48B	ML180UH 110P48C	ML180UH 110P60C	ML180UH 135P60D
	Model No. - Low Nox	ML180UH 090XP48B	---	ML180UH 110XP60C	---
	¹ AFUE	80%	80%	80%	80%
	Input - Btuh	88,000	110,000	110,000	132,000
	Output - Btuh	71,000	89,000	89,000	107,000
	Temperature rise range - °F	25 - 55	25 - 55	25 - 55	30 - 60
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane				
High Static - in. w.g.		0.50	0.50	0.50	0.50
Connections in.	Flue connection - in. round	4	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 10	10 x 10	11-1/2 x 10	11 x 11
	Motor output - hp	1/2	1/2	1	1
	Tons of add-on cooling	3 - 4	3 - 4	4 - 5	4 - 5
	Air Volume Range - cfm	920 - 2160	910 - 2170	1355 - 2715	1380 - 2810
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	8.2	8.2	10	11.5
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	183	151	161	174

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PRODUCT CATALOG

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Lennox Designed Aluminized Steel Heat Exchanger Assembly
Aluminized Steel Inshot Burners
Gas Control Valve with 100% Safety Shutoff
Flame Rollout Switch
SureLight® Hot Surface Ignitor
Combustion Air Inducer
Limit Controls

Controls

SureLight® Integrated Furnace Control
Built-in Twinning Capability
24 Volt Transformer
Field Wiring Make-up Box

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Downflow applications
Pre-painted cabinet finish.
Foil-faced insulation on sides and back of heating compartment.

Low Leakage Cabinet

Less than 2%.

Coil Match-up

All Lennox downflow indoor coils will physically match the furnace **supply air opening** with the same letter designation (A, B, C, D) as in the furnace model number.



LIMITED WARRANTY

Heat Exchanger - Twenty-year transferable. All other covered components - five years.

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

Furnace Width	"A"	"B"	"C"
A Dimension	14-1/2 (368)	17-1/2 (446)	21 (533)
B Dimension	13-3/8 (340)	16-3/8 (416)	19-7/8 (454)
Bottom Width	13 (330)	16 (406)	19-1/2 (495)
return			
Depth	19-1/4 (489)	19-1/4 (489)	19-1/4 (489)

GAS FURNACES ML180DF MERIT® SERIES

Downflow
AFUE - 80%
Input - 44,000 to 110,000 Btuh

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ACCESSORIES

See page 65

Cabinet

- Downflow Combustible Flooring Base

Controls

- Thermostat

Filters

- Downflow Filter Kits

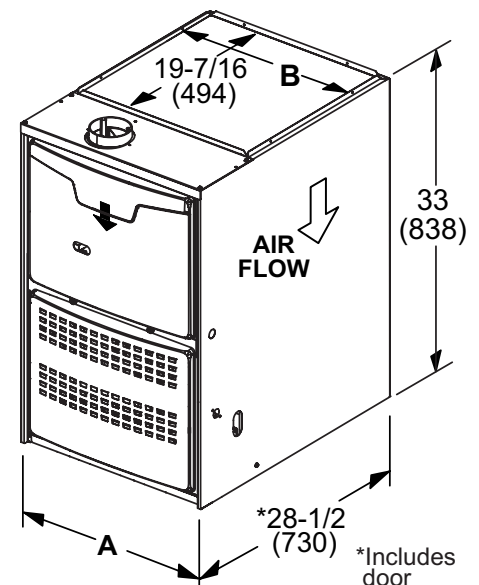
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit
- Universal Service Kit - Switches

DIMENSIONS



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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SPECIFICATIONS

Gas Heating Performance	Model No.	ML180DF045P24A	ML180DF045P36A	ML180DF070P36A
	Model No. - Low NO _x	- - -	- - -	ML180DF070XP36A
	¹ AFUE	80%	80%	80%
	Input - Btuh	44,000	44,000	66,000
	Output - Btuh	35,000	36,000	53,000
	Temperature rise range - °F	25 - 55	15 - 45	25 - 55
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane			
High Static - in. w.g.		0.50	0.50	0.50
Connections in.	Flue connection - in. round	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 7	10 x 8	10 x 8
	Motor output - hp	1/5	1/3	1/3
	Tons of add-on cooling	1.5 - 2	2 - 3	2 - 3
	Air Volume Range - cfm	401 - 1157	739 - 1524	717 - 1562
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	3.1	6.1	6.1
	Maximum overcurrent protection	15	15	15
Shipping Data		lbs. - 1 package	105	113
				128

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.**SPECIFICATIONS**

Gas Heating Performance	Model No.	ML180DF090P36B	ML180DF090P48B	ML180DF110P60C
	Model No. - Low NO _x	- - -	ML180DF090XP48B	ML180DF110XP60C
	¹ AFUE	80%	80%	80%
	Input - Btuh	88,000	88,000	110,000
	Output - Btuh	71,000	71,000	89,000
	Temperature rise range - °F	35 - 65	25 - 55	30 - 60
	Gas Manifold Pressure (in. w.g.)	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	Nat. Gas / LPG/Propane			
High Static - in. w.g.		0.50	0.50	0.50
Connections in.	Flue connection - in. round	4	4	4
	Gas pipe size IPS	1/2	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 9	10 x 10	11-1/2 x 10
	Motor output - hp	1/3	1/2	1
	Tons of add-on cooling	2 - 3	3 - 4	4 - 5
	Air Volume Range - cfm	743 - 1695	917 - 1929	1517 - 2760
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	6.1	8.2	10.0
	Maximum overcurrent protection	15	15	15
Shipping Data		lbs. - 1 package	131	140
				160

NOTE - Filters and provisions for mounting are not furnished and must be field provided.

¹ Annual Fuel Utilization Efficiency based on DOE test procedures and according to FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

	“A” Width	“B” Width	“C” Width	“D” Width	
CABINET ACCESSORIES					
Downflow Combustible Flooring Base - Downflow only	11M59	11M60	11M61	- - -	
Horizontal Suspension Kit - Horizontal only	51W10	51W10	51W10	51W10	
Return Air Base - Upflow only	65W75	50W98	50W99	51W00	
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet	51W06	51W07	51W08	- - -	
¹ No. and size of filter - in.	(1) 20 x 20 x 1	(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -	
SERVICE KITS					
Night Service Kit	68W80	68W80	68W80	68W80	
Universal Service Kit - Switches	89W19	89W19	89W19	89W19	
UPFLOW/HORIZONTAL FILTER KITS					
¹ Air Filter and Rack Kit	Horizontal (end)	87L95	87L96	87L97	87L98
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 x 25 x 1	25 x 25 x 1
	Side Return	44J22	44J22	44J22	44J22
	Ten Pack	66K63	66K63	66K63	66K63
	Size of filter - in.	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1
VENTING					
Vent Adaptor - 6 in. connection size upflow applications only	18M79	18M79	18M79	18M79	

¹ Cleanable frame type filter.

GAS HEAT ACCESSORIES

Input	High Altitude Pressure Switch Kit			Natural Gas to LPG/Propane Kit		LPG/Propane to Natural Gas Kit	Natural Gas High Altitude Orifice Kit
	0 - 4500 ft.	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.
045	No Change	80W52 (UH) / No Change (DF)	80W51	11K49	76W15	73W81	73W37
070	No Change	80W52	80W51	11K49	76W15	73W81	73W37
090	No Change	80W52 (UH) / No Change (DF)	80W51	11K49	76W15	73W81	73W37
090X	No Change	80W52	80W51	11K49	76W15	73W81	73W37
110	No Change	80W57 (UH) / 80W52 (DF)	80W52	11K49	76W15	73W81	73W37
135	No Change	80W52	80W51	11K49	76W15	73W81	73W37

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PRODUCT CATALOG

Horizontal, Low Profile, Gas-Fired Unit Heaters
Steady State Efficiency - Up to 81.0%
Input - 30,000 to 75,000 Btuh

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February 2018

Supersedes January 2018

FEATURES

Heating System

Aluminized Steel Tubular Heat Exchanger
 Aluminized Steel Inshot Burners
 Limit Control
 24 volt Gas Control Valve with 100% Safety Shutoff
 Combustion Air Inducer
 Controls
 24V transformer
 Combination Ignition/Fan Timer Control with LED Diagnostics
 Electronic Direct Spark Ignition
 Electronic Flame Sensor Control

Fan

Efficient, quiet operating, propeller-type, direct drive fan.

Cabinet

Low Profile
 Heavy gauge painted steel
 Insulated Cabinet
 Adjustable Louvers
 Wiring Junction Box
 Terminal strip
 Hanging Brackets



ACCESSORIES

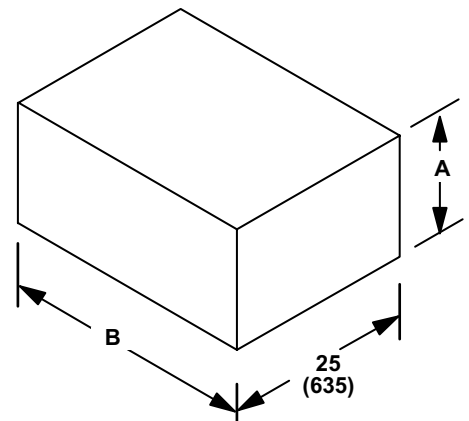
- LPG/Propane Conversion Kit
- Thermostat

LIMITED WARRANTY

Aluminized Steel Heat Exchanger - ten years
 All other covered components - five years
 Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS

Model No.	LF24-30A LF24-45A	LF24-60A LF24-75A
A	13 (330)	18 (457)
B (overall)	24 (610)	25 (635)



SPECIFICATIONS

Gas Heating Performance	Model No.	LF24-30A	LF24-45A	LF24-60A	LF24-75A
Heating Capacity Input - Btuh		30,000	45,000	60,000	75,000
Heating Capacity Output - Btuh		24,300	36,500	48,000	60,000
Steady State Efficiency		81.0%	81.0%	80.0%	80.0%
Temperature rise - °F		42	45	45	60
Connections in.	Flue size (round)	¹ 3	¹ 3	² 4	² 4
	Gas Piping Size	1/2	1/2	1/2	1/2
Fan Data	Number of fans	1	1	1	1
	Fan Diameter - in.	10	10	14	14
	Number of blades	4	4	5	5
	Motor Output - hp	1/20	1/20	1/8	1/8
	Amps	1.7	1.7	4.1	4.1
	rpm	1650	1650	1050	1050
	Air Volume - cfm	535	750	950	950
	Air throw at 8 ft. mounting height - ft.	25	25	40	40
Electrical Characteristics		115 volts - 60 hertz - 1 phase			
Shipping Weight - lbs. 1 package		60	63	87	91

OPTIONAL ACCESSORIES - ORDER SEPARATELY

LPG/Propane Kit	20L05	20L05	20L05	20L05
-----------------	-------	-------	-------	-------

NOTE - Transitions are furnished for flue connection to unit combustion air inducer outlet.

¹ 2-1/8 in. (unit) x 3 in. (flue) diameter transition is furnished with unit for flue connection² 2 in. (unit) x 4 in. (flue) diameter transition is furnished with unit for flue connection.**HORIZONTAL VENT KITS AND ELBOW****REQUIRED FOR RESIDENTIAL HORIZONTAL VENTING APPLICATIONS**

Unit Heater Model No.	Vent Diameter (in.)	Upslope Vent Kit	Catalog No.	Downslope Vent Kit	Catalog No.	45° Elbow	Catalog No.	90° Elbow	Catalog No.	¹ Minimum Vent Length (ft.)
LF24-30 LF24-45	3	C5VENT3KU	75W62	C5VENT3KD	75W66	C5VENT3E45 (Optional)	87W79	C5VENT3E (Optional)	75W70	5
LF24-60 LF24-75	4	C5VENT4KU	75W63	C5VENT4KD	75W67	C5VENT4E45 (Optional)	87W80	C5VENT4E (Optional)	75W71	5

¹ Length does not include termination (or elbow if used).**STRAIGHT VENT PIPE - FOR HORIZONTAL VENTING**

Unit Heater	Model No.	Vent Diameter (in.)	Length (in.)	Catalog No.
LF24-30 LF24-45	C5VENT3P6	3	6	75W74
	C5VENT3P12	3	12	75W75
	C5VENT3P36	3	36	75W76
LF24-60 LF24-75	C5VENT4P6	4	6	75W77
	C5VENT4P12	4	12	75W78
	C5VENT4P36	4	36	75W79



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PRODUCT CATALOG

OIL FURNACES SLO185UFV

DAVE LENNOX SIGNATURE® COLLECTION

Upflow - Variable Speed Blower - SilentComfort™ Technology

AFUE - Up to 87%

Input - 79,000 to 141,000 Btuh

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FEATURES

Heating System

Beckett™ NX Oil Burner
Advanced Air Tube Technology
EZ Clean Heat Exchanger
Alumina Silica Ceramic Fiber
Combustion Chamber
Flame Inspection Tube
Barometric Draft Control
Limit Control

Controls

Advanced Burner Control controls oil
burner motor and igniter
Cadmium Sulfide Cell Flame
Detector
120VAC Primary Safety Control
Electronic Blower Control
24V Transformer

Variable-Speed Blower Motor

High efficiency, variable speed ECM
(Electronically Commutated Motor)
Maintains specified air volumes up
to a maximum of 0.8 in. w.g. total
external static.

Cabinet

Upflow applications
Pre-painted cabinet finish
Heating section is insulated with foil
faced insulation
Insulated blower compartment
Top or Side Flue Pipe Connection



ACCESSORIES

- Oil Filter
- Two-Stage Oil Pump
- Thermostat
- ComfortSense® 7500 Thermostat
- Air Intake Kit

LIMITED WARRANTY

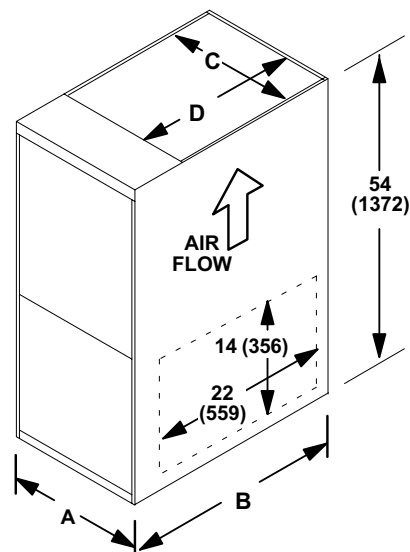
Heat Exchanger - lifetime

All other covered components -
ten years

Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

		79/105	124/141
A		19-1/2	22-1/2
		(495)	(572)
B		30-5/8	33-1/8
		(778)	(841)
C		18	21
		(457)	(533)
D		19-5/8	22-1/8
		(498)	(562)
Bottom return	Width	16	18
		(406)	(457)
	Depth	22	22
		(559)	(559)

DIMENSIONS



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SPECIFICATIONS

Oil Heating Performance		Model Number	SLO185UF79/105V42	SLO185UF124/141V60
	Input - Btuh	Low Fire	79,000	124,000
		¹ High Fire	105,000	141,000
	Output - Btuh	Low Fire	67,000	104,000
		¹ High Fire	87,000	118,000
	² AFUE - Low Fire		86%	87%
	² AFUE - High Fire		85%	85%
	Flue Size Diameter - in.		6	6
	Temperature rise range		50 - 80°F	60 - 85°F
Oil Burner	Nozzle rating - US gph	Low Fire	.50	.75
		¹ High Fire	.65	.85
	Nozzle spray angle		60° hollow	60° hollow
	Oil Burner Pump		1 Stage	1 Stage
	Oil Burner Pump Pressure - psig		150	145
	Air Inlet Connection (diameter) - in.		4	4
Indoor Blower	Blower Motor Output - hp		1/2	3/4
	Nominal add-on cooling - Tons		2.5 thru 4	3 thru 5
	Blower wheel nom. diameter x width - in.		10 x 10	12 x 11
Shipping weight - lbs. 1 package			250	270
Electrical	Characteristics		120V-60hz-1ph	120V-60hz-1ph
	Maximum time delay breaker or fuse size		15 Amps	15 Amps

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Air Intake Kit		11F44	11F44
ComfortSense® 7500 Thermostat		13H14	13H14
Remote Outdoor Temperature Sensor (for dual fuel and Humiditrol® control)		X2658	X2658
Oil Filters	10 micron without mounting bracket	81P89	81P89
	10 micron with mounting bracket	53P92	53P92
	Replacement cartridge - 10 micron, 45 gph	53P93	53P93
	Filter restriction indicator gauge	53P90	53P90
Two-Stage Oil Pump		65A44	65A44

¹ Nozzle is furnished for field conversion to higher heating input.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.



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PRODUCT CATALOG

OIL FURNACES

SLO185BV

DAVE LENNOX SIGNATURE® COLLECTION

Lo-Boy - Variable Speed Blower - SilentComfort™ Technology

AFUE - Up to 87%

Input - 79,000 to 141,000 Btuh

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FEATURES

Heating System

Beckett™ NX Oil Burner
Advanced Air Tube Technology
EZ Clean Heat Exchanger
Alumina Silica Ceramic Fiber
Combustion Chamber
Flame Inspection Tube
Barometric Draft Control
Limit Control

Controls

Advanced Burner Control controls oil burner motor and igniter
Cadmium Sulfide Cell Flame Detector
120VAC Primary Safety Control
Electronic Blower Control
24V Transformer

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor)
Maintains specified air volumes up to a maximum of 0.8 in. w.g. total external static.

Cabinet

Lo-boy applications
Pre-painted cabinet finish
Heating section is insulated with foil faced insulation.
Insulated Blower Compartment
Top or Side Flue Pipe Connection

Air Filters

Large, cleanable frame-type filter



ACCESSORIES

- Oil Filter
- Two-Stage Oil Pump
- Thermostat
- ComfortSense® 7500 Thermostat
- Air Intake Kit

LIMITED WARRANTY

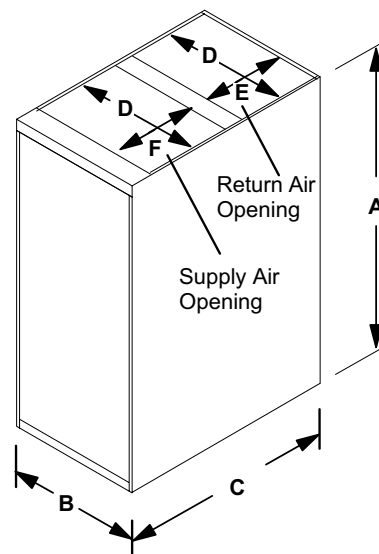
Heat Exchanger - lifetime

All other covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

	79/105	124/141
A	37 (940)	37 (940)
B	19-1/2 (495)	22-1/2 (572)
C	52 (1321)	52 (1321)
D	18 (457)	21 (533)
E	16 (406)	16 (406)
F	21 (533)	21 (533)

DIMENSIONS



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SPECIFICATIONS

Oil Heating Performance	Model Number	Front Flue Rear Flue	SLO185BF79/105V42 SLO185BR79/105V42	SLO185BF124/141V60 SLO185BR124/141V60
	Input - Btuh	Low Fire	79,000	124,000
		¹ High Fire	105,000	141,000
	Output - Btuh	Low Fire	67,000	104,000
		¹ High Fire	87,000	118,000
	² AFUE - Low Fire Front Flue		86%	85%
	² AFUE - High Fire Front Flue		85%	85%
	² AFUE - Low Fire Rear Flue		87%	85%
	² AFUE - High Fire Rear Flue		85%	85%
	Flue Size Diameter - in.		6	6
Temperature rise range		50 - 80°F	45 - 70°F Front Flue 50 - 80°F Rear Flue	
Oil Burner	Nozzle rating - US gph	Low Fire	.50	.75
		¹ High Fire	.65	.85
	Nozzle spray angle		60° hollow	60° hollow
	Oil Burner Pump		1 Stage	1 Stage
	Oil Burner Pump Pressure - psig		150	145
Indoor Blower	Blower Motor Output - hp		1/2	1
	Nominal add-on cooling - Tons		2.5 thru 4	3 thru 5
	Blower wheel nom. diameter x width - in.		10 x 9	12 x 10
³ Filter	Number of filters		1	1
	Size of filters - in.		18 x 19 x 1	19 x 21 x 1
Shipping weight - lbs. 1 package			225 (Front Flue) 230 (Rear Flue)	270
Electrical	Characteristics		120V-60hz-1ph	120V-60hz-1ph
	Maximum Overcurrent Protection (amps)		15	15

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Air Intake Kit			11F44	11F44
ComfortSense® 7500 Thermostat			13H14	13H14
Remote Outdoor Temperature Sensor (for dual fuel and Humiditrol® control)			X2658	X2658
Oil Filters	10 micron without mounting bracket		81P89	81P89
	10 micron with mounting bracket		53P92	53P92
	Replacement cartridge - 10 micron, 45 gph		53P93	53P93
	Filter restriction indicator gauge		53P90	53P90
Two-Stage Oil Pump	without solenoid		65A44	65A44
	with solenoid		71M18	71M18

¹ Nozzle is furnished for field conversion to higher heating input.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

³ Cleanable flame type filters furnished.



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PRODUCT CATALOG

OIL FURNACES ELO183UF ELITE® SERIES

Upflow
AFUE - Up to 84%
Input - 68,000 to 154,000 Btuh

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FEATURES

Heating System

Beckett™ Flame-Retention AFG Oil Burner
EZ Clean Heat Exchanger
Alumina Silica Ceramic Fiber Combustion Chamber
Flame Inspection Tube
Barometric Draft Control

Controls

Advanced Burner Control controls oil burner motor and igniter
Cadmium Sulfide Cell Flame Detector
Primary Safety Control
Fan and Limit Control
Terminal Strip
Blower Cooling Relay
24V Transformer

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Upflow applications
Pre-painted cabinet finish
Heating section is insulated with foil faced insulation
Insulated blower compartment
Top or Side Flue Pipe Connection



ACCESSORIES

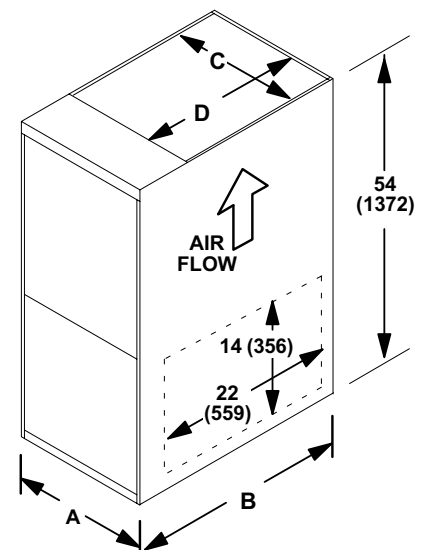
- Oil Filter
- Two-Stage Oil Pump
- Thermostat

LIMITED WARRANTY

Heat Exchanger - lifetime
All other covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

		68/86 101/114	135/150
A		19-1/2 (495)	22-1/2 (572)
		30-5/8 (778)	33-1/8 (841)
B		18 (457)	21 (533)
		19-5/8 (498)	22-1/8 (562)
Bottom return	Width	16 (406)	18 (457)
	Depth	22 (559)	22 (559)

DIMENSIONS



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SPECIFICATIONS

Oil Heating Performance			Model Number	ELO183UF68/86P36	ELO183UF101/114P48	ELO183UF135/150P60
	Input - Btuh	Low Fire		67,500	101,000	135,000
		¹ High Fire		85,500	113,500	151,000
	Output - Btuh	Low Fire		57,000	84,000	113,000
		¹ High Fire		72,000	95,000	126,000
	² AFUE			84%	83%	83%
	Flue Size Diameter - in.			6	6	6
	Temperature rise range			50 - 80°F	50 - 80°F	55 - 85°F
Oil Burner	Nozzle rating - US gph	Low Fire		.50	.65	.85
		¹ High Fire		.65	.75	1.00
	Nozzle spray angle	Low Fire		80° hollow	80° solid	80°B solid
		¹ High Fire		80° solid	80° solid	80° solid
	Oil Burner Pump			1 Stage	1 Stage	1 Stage
	Oil Burner Pump Pressure - psig			100	140	140
	Air Inlet Connection (diameter) - in.			4	4	4
	Indoor Blower	Blower Motor Output - hp			1/2	1/2
Nominal add-on cooling - Tons			1.5 thru 3	2 thru 3.5	3 to 5	
Blower wheel nom. diameter x width - in.			10 x 8	10 x 10	12 x 11	
Air Volume Range - cfm			605 - 1410	690 - 1755	1110 - 2090	
Shipping weight - lbs. 1 package				230	250	270
Electrical	Characteristics			120V-60hz-1ph	120V-60hz-1ph	120V-60hz-1ph
	Maximum Overcurrent Protection (amps)			15	15	15
OPTIONAL ACCESSORIES - ORDER SEPARATELY						
Combustion Air Boot (4 in. diameter)				83W32	83W32	83W32
Oil Filters	10 micron without mounting bracket			81P89	81P89	81P89
	10 micron with mounting bracket			53P92	53P92	53P92
	Replacement cartridge - 10 micron, 45 gph			53P93	53P93	53P93
	Filter restriction indicator gauge			53P90	53P90	53P90
Two-Stage Oil Pump	without solenoid			65A44	65A44	65A44
	with solenoid			71M18	71M18	71M18

¹ Nozzle must be field provided for field conversion to higher heating input.² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

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PRODUCT CATALOG

OIL FURNACES ELO183B ELITE® SERIES

Lo-Boy
AFUE - 83%
Input - 101,000 to 154,000 Btuh

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FEATURES

Heating System

Beckett™ Flame-Retention AFG Oil Burner
EZ Clean Heat Exchanger
Alumina Silica Ceramic Fiber Combustion Chamber
Flame Inspection Tube
Barometric Draft Control

Controls

Advanced Burner Control controls oil burner motor and igniter
Cadmium Sulfide Cell Flame Detector
Primary Safety Control
Fan and Limit Control
Terminal Strip
Blower Cooling Relay
24V Transformer

Blower

Multi-Speed, Direct Drive Blower

Cabinet

Lo-boy applications
Pre-painted cabinet finish
Heating section is insulated with foil faced insulation.
Insulated Blower Compartment
Top or Side Flue Pipe Connection

Air Filters

Large, cleanable frame-type filter



ACCESSORIES

- Oil Filter
- Two-Stage Oil Pump
- Thermostat

LIMITED WARRANTY

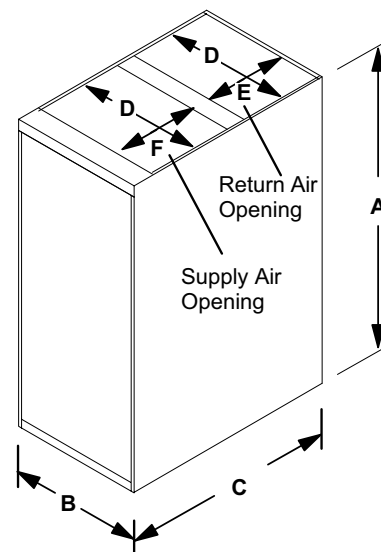
Heat Exchanger - lifetime

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

	101/114	135/150
A	37 (940)	37 (940)
B	19-1/2 (495)	22-1/2 (572)
C	52 (1321)	52 (1321)
D	18 (457)	21 (533)
E	16 (406)	16 (406)
F	21 (533)	21 (533)

DIMENSIONS



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SPECIFICATIONS

Oil Heating Performance	Model Number	Front Flue Rear Flue	ELO183BF101/114P48 ELO183BR101/114P48	ELO183BF135/150P60 ELO183BR135/150P60
	Input - Btuh	Low Fire	101,000	134,000
		¹ High Fire	113,500	151,000
	Output - Btuh	Low Fire	85,000	113,000
		¹ High Fire	95,000	127,000
	² AFUE		83%	83%
	Flue Size Diameter - in.		6	6
	Temperature rise range		45 - 75°F	45 - 75°F
Oil Burner	Nozzle rating - US gph	Low Fire	.65	.85
		¹ High Fire	.75	1.00
	Nozzle spray angle		80° solid	80° solid
	Oil Burner Pump		1 Stage	1 Stage
	Oil Burner Pump Pressure - psig		140	140
	Air Inlet Connection (diameter) - in.		4	4
Indoor Blower	Blower Motor Output - hp		1/2	3/4
	Nominal add-on cooling - Tons		2.5 thru 4	3 to 5
	Blower wheel nom. diameter x width - in.		10 x 9	12 x 10
	Air Volume Range - cfm		650 - 1760	1225 - 2360
³ Filter	Number of filters		1	1
	Size of filters - in.		18 x 19 x 1	19 x 21 x 1
Shipping weight - lbs. 1 package			225 Front Flue / 230 Rear Flue	270
Electrical	Characteristics		120V-60hz-1ph	120V-60hz-1ph
	Maximum Overcurrent Protection (amps)		15	15

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Combustion Air Boot (4 in. diameter)			83W32	83W32
Oil Filters	10 micron without mounting bracket		81P89	81P89
	10 micron with mounting bracket		53P92	53P92
	Replacement cartridge - 10 micron, 45 gph		53P93	53P93
	Filter restriction indicator gauge		53P90	53P90
Two-Stage Oil Pump	without solenoid		65A44	65A44
	with solenoid		71M18	71M18

¹ Nozzle must be field provided for field conversion to higher heating input.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.

³ Cleanable flame type filters furnished.



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PRODUCT CATALOG

OIL FURNACES ELO183DH ELITE® SERIES

Horizontal / Downflow
AFUE - 83%
Input - 101,000 to 154,000 Btuh

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FEATURES

Heating System

Beckett™ Flame-Retention AFG Oil Burner

EZ Clean Heat Exchanger

Alumina Silica Ceramic Fiber

Combustion Chamber

Flame Inspection Tube

Barometric Draft Control

Controls

Advanced Burner Control controls oil burner motor and igniter

Cadmium Sulfide Cell Flame Detector

Primary Safety Control

Fan and Limit Control

Terminal Strip

Blower Cooling Relay

24V Transformer

Blower

Multi-speed, direct-drive blower

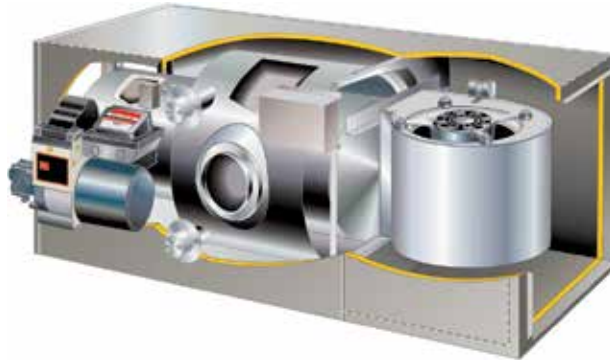
Cabinet

Pre-painted cabinet finish

Heating section is insulated with foil faced insulation.

Insulated Blower Compartment

Front Flue Pipe Connection



ACCESSORIES

- Downflow Combustible Floor Base
- Filter Kits
- Oil Filter
- Two-Stage Oil Pump
- Thermostat

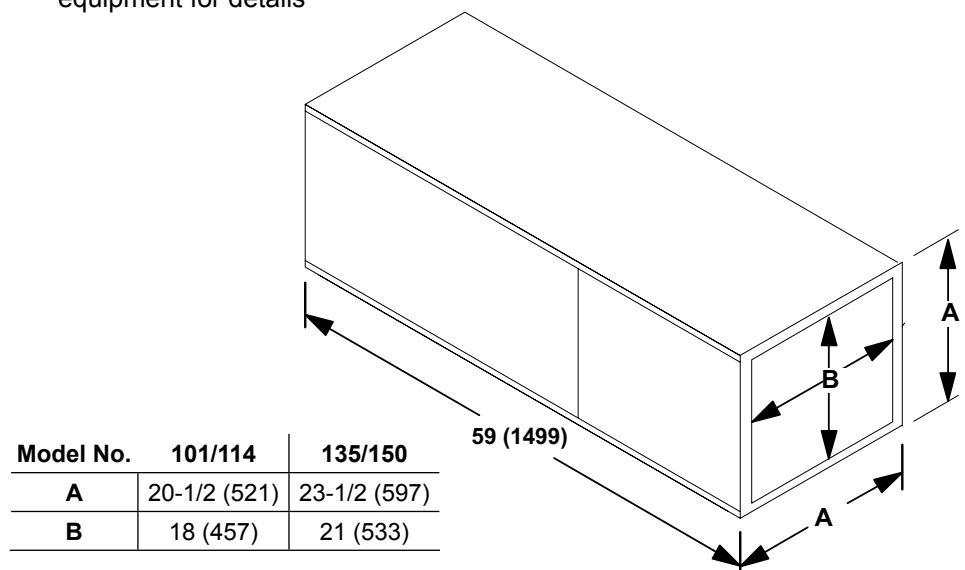
LIMITED WARRANTY

Heat Exchanger - lifetime

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS



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SPECIFICATIONS

		Model Number	ELO183DH101/114P36	ELO183DH135/150P60
Oil Heating Performance	Input - Btuh	Low Fire	101,000	135,000
		¹ High Fire	113,500	150,000
	Output - Btuh	Low Fire	85,000	113,000
		¹ High Fire	95,000	126,000
	² AFUE		83%	83%
	Flue Size Diameter - in.		6	6
	Temperature rise range		45 - 75°F	45 - 75°F
Oil Burner	Nozzle rating - US gph	Low Fire	.65	.85
		² High Fire	.75	1.00
	Nozzle spray angle		80° solid	80° solid
	Oil Burner Pump		1 Stage	1 Stage
	Oil Burner Pump Pressure - psig		140	140
Indoor Blower	Blower Motor Output - hp		1/2	3/4
	Nominal add-on cooling - Tons		2 to 3	3 to 5
	Blower wheel nom. diameter x width - in.		10 x 10	12 x 9
	Air Volume Range - cfm		545 - 1410	1100 - 2205
Shipping weight - lbs. 1 package			250	270
Electrical	Characteristics		120V-60hz-1ph	120V-60hz-1ph
	Maximum Overcurrent Protection (amps)		15	15

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Downflow Combustible Flooring Base		35K07	35K08
Filter Kit		35K05	35K06
Number & size of filters - in.		(2) 10-1/4 x 20-1/2 x 1	(2) 11-3/4 x 23-1/2 x 1
Oil Filters	10 micron without mounting bracket	81P89	81P89
	10 micron with mounting bracket	53P92	53P92
	Replacement cartridge - 10 micron, 45 gph	53P93	53P93
	Filter restriction indicator gauge	53P90	53P90
Two-Stage Oil Pump	without solenoid	65A44	65A44
	with solenoid	71M18	71M18

¹ Nozzle must be field provided for field conversion to higher heating input.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations. Isolated combustion system rating for non-weatherized furnaces.



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WATER HEATERS / BOILERS

GWM-IE

PRODUCT CATALOG

Gas-Fired, Modulating, Condensing, Wall Hung Hot Water Boiler
AFUE - 95%
Input - 50,000 to 200,000 Btuh

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FEATURES

Heating System

Direct Vent Sealed Combustion System
Stainless Steel Helical Heat Exchanger Assembly
Stainless Steel Mesh Modulating Burner
Direct Spark Igniter
Casting Temperature Safety Switch
24 Volt Gas Control Valve
Combustion Air Blower
CPVC Flue Condensate Collector
Pressure Relief Valve and Air Vent
Flame Rollout Switch
Combination Temperature/Pressure Gauge
Brass Drain Valve
Vent Temperature Sensor
LPG/Propane Kit Furnished
Integrated Primary/Secondary Piping With Pump
Circulating Pump

Controls

Fully Modulating Electronic Control
User Interface Control
LCD Display
Flame Sensor
Integrated Low Water Cutoff Control
24V Transformer
Supply Water Switch
Return Water Temperature Sensor
Terminal Block
High Voltage Junction Box

Cabinet

Heavy-gauge steel with baked-on enamel finish.
Wall Hanging Support Bracket



ACCESSORIES

- Concentric Termination Kit
- High Altitude Control Module
- Thermostat

WARRANTY

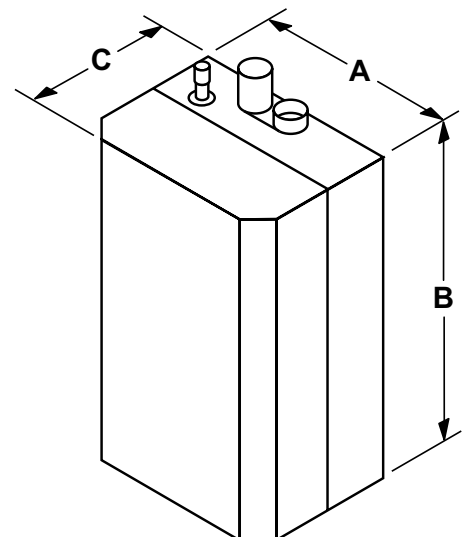
Cast Aluminum Boiler Assembly - fifteen years

All other covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No	A	B	C	D
GWM-050IE	20	31	14	28
GWM-075IE	(508)	(787)	(356)	(711)
GWM-100IE				
GWM-150IE	23	42	16	40
GWM-200IE	(584)	(109)	(406)	(1016)

DIMENSIONS



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SPECIFICATIONS

Model No.			GWM-050IE	GWM-075IE	GWM-100IE	GWM-150IE	GWM-200IE
Gas Heating Performance	Heating capacity input	Btuh (Maximum)	50,000	75,000	100,000	150,000	200,000
		Btuh (Minimum)	10,000	15,000	20,000	30,000	40,000
	Heating capacity output - Btuh		46,000	69,000	91,000	139,000	185,000
	¹ Net AHRI I=B=R rating - Btuh		40	50	79	121	161
	² AFUE		95%	95%	95%	95%	95%
Connections in.	Flue size diameter (round)		2	2	2	3	3
	Gas piping size		1/2 NPT	1/2 NPT	1/2 NPT	3/4 NPT	3/4 NPT
	Water supply and return size		1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT
	Drain connection size		3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
Electrical characteristics			120 volts - 60 hertz - 1 phase (less than 12 amps)				
Shipping Data		lbs. - 1 package	111	111	111	182	182

OPTIONAL ACCESSORIES

Concentric Termination Kit	U.S. - 2 inch	69M29	69M29	69M29	---	---
	3 inch	---	60L46	60L46	60L46	60L46
	Canada - 2 inch	44W92	44W92	44W92	---	---
	3 inch	---	44W93	44W93	44W93	44W93
High Altitude Control Module (2000-4500 ft.)		12Y86	12Y86	12Y86	12Y86	12Y86

¹ AHRI I=B=R ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Ratings based on an allowance of 1.15 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than the calculated heat loss of the building.

² Heating Capacity and AFUE (Annual Fuel Utilization Efficiency) based on U.S. DOE test procedures and FTC labeling regulations.

NOTE - Termination Kits **44W92**, **44W93** are certified to ULC S636 standard for use in Canada only.



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WATER HEATERS / BOILERS

GWB9-IH

PRODUCT CATALOG

Gas-Fired - Hot Water Boiler
AFUE - 90%
Input - 50,000 to 100,000 Btuh

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FEATURES

Heating System

Direct Vent Sealed Combustion System
Cast Aluminium Boiler Assembly
Stainless Steel Premix Inshot Burner
24 Volt Gas Control Valve
Hot Surface Igniter
Induced Draft Blower
Differential Pressure Air Proving Switch/Blocked Vent Safety Shutoff
Pressure Relief Valve/Air Vent
Combination Temperature/Pressure Gauge
Circulating Pump
Vent Temperature Safety Switch
Brass Drain Valve
Condensate Trap

Controls

Integrated Boiler Control Module
Thermal Purge Operation
Casting Temperature Safety Switch
Hydrostat Combination High Limit Control / Low Water Cut Off With Boiler Temperature Reset
Induced Draft Blower Temperature Safety Switch
24V Transformer
Junction Box

Cabinet

Heavy-gauge steel with baked-on enamel finish.



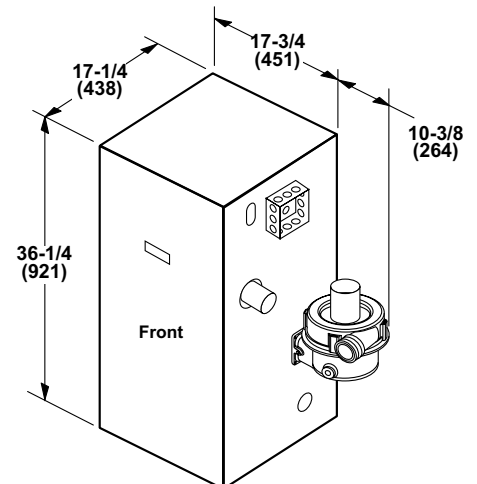
ACCESSORIES

- Concentric Termination Kit
- LPG/Propane Conversion Kit
- Thermostat

WARRANTY

Cast Aluminum Boiler Assembly - fifteen years
All other covered components - ten years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS



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SPECIFICATIONS

		Model No.	GWB9-050IH-3	GWB9-075IH-3	GWB9-100IH-3
Gas Heating Performance	Heating capacity input - Btuh		50,000	75,000	100,000
	Heating capacity output - Btuh		45,000	68,000	90,000
	¹ Net AHRI I=B=R rating - Btuh		39,000	59,000	78,000
	² AFUE		90%	90%	90%
Boiler Data	Number of boiler sections		2	2	2
	Boiler capacity		2.6 US gallons	2.6 US gallons	2.6 US gallons
Connections in.	³ Flue size connection diameter - round		2	2	2
	Gas piping size I.P.S.		1/2	1/2	1/2
	Water supply and return connection size		1-1/4 NPT	1-1/4 NPT	1-1/4 NPT
	Drain connection size		3/4 NPT	3/4 NPT	3/4 NPT
Electrical characteristics			120 volts - 60 hertz - 1 phase (less than 12 amps)		
Shipping Data	lbs. - 1 package		220	220	220

OPTIONAL ACCESSORIES

Concentric Vent Kit	U.S. - 2 inch	69M29	69M29	69M29
	3 inch	60L46	60L46	60L46
	Canada - 2 inch	44W92	44W92	44W92
	3 inch	44W93	44W93	44W93
LPG/Propane Conversion Kit	0 - 10,000 ft	75E01	- - -	10T27
	0 - 5000 ft	- - -	70E01	- - -
	5001 - 10,000 ft	- - -	77E01	- - -

See Lennox Price Book For Complete Listing of Optional Accessories (Expansion Tanks, Valves, Circulator Pumps, etc.)

¹ AHRI I=B=R ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Ratings based on an allowance of 1.15 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than the calculated heat loss of the building.

² Heating Capacity and AFUE (Annual Fuel Utilization Efficiency) based on U.S. DOE test procedures and FTC labeling regulations.

³ CPVC pipe MUST be used in the first five feet. Unit ships with 5 ft. of 2 in. CPVC pipe, one 2 in CPVC coupling, one nipple and one elbow.

NOTE - Termination Kits **44W92**, **44W93** are certified to ULC S636 standard for use in Canada only.



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WATER HEATERS / BOILERS

GWB8-IE

PRODUCT CATALOG

Gas-Fired - Hot Water Boiler
AFUE - Up to 84.4%
Input - 42,000 to 225,000 Btuh

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FEATURES

Heating System

- Cast Iron Boiler Assembly
- Titanium Burners
- Automatic Gas Control Valve
- Electronic Ignition
- Induced Draft Blower
- Pressure Relief Valve
- Flame Rollout Switch
- Combination Temperature/Pressure Gauge
- Circulating Pump (shipped separately)
- Brass Drain Valve

Controls

- Integrated Boiler Control Module
- Limit Sensor
- Transformer

Cabinet

- Heavy-gauge steel with baked-on enamel finish.
- Fully insulated with fiberglass insulation.



ACCESSORIES

- Combustible Flooring Base
- LPG/Propane Conversion Kit
- Thermostat

WARRANTY

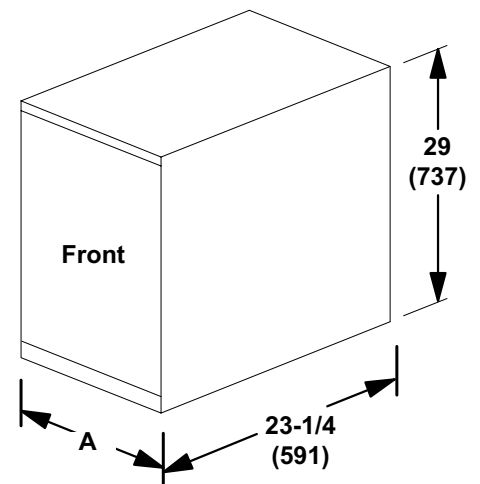
Cast Iron Boiler Assembly -
twenty years

All other covered components -
five years

Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

Model No	A	B	C
042IE-2	11 (280)	23-1/4 (591)	29 (737)
075IE-2	14-1/4 (362)	23-1/4 (591)	29 (737)
112IE-2	17-1/2 (445)	23-1/4 (591)	29 (737)
150IE-2	20-3/4 (527)	23-1/4 (591)	29 (737)
187IE-2	24 (610)	23-1/4 (591)	29 (737)
225IE-2	27-1/4 (705)	23-1/4 (591)	29 (737)

DIMENSIONS



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SPECIFICATIONS

Model No.		GWB8 -042IE-2	GWB8 -075IE-2	GWB8 -112IE-2	GWB8 -150IE-2	GWB8 -187IE-2	GWB8 -225IE-2	
Gas Heating Performance	Heating capacity input - Btuh	42,500	75,000	112,500	150,000	187,500	225,000	
	Heating capacity output - Btuh	36,000	63,000	94,000	125,000	155,000	186,000	
	¹ Net AHRI I=B=R rating - Btuh	31,000	55,000	82,000	109,000	135,000	162,000	
	² AFUE	84.4%	83.4%	83.0%	82.7%	82.3%	82.0%	
Boiler Data	Number of boiler sections	2	3	4	5	6	7	
	Net boiler heating surface - sq. ft.	4.61	8.17	11.73	15.29	18.85	22.41	
	Boiler capacity - U.S. gallons	1.75	3.00	4.25	5.50	6.75	8.00	
Connections in.	³ Flue Size diameter (round)	Conventional	4	4	4	4	4	
		Horizontal	3	3	3	3	4	4
	Gas piping size I.P.S.	Natural gas	1/2	1/2	1/2	1/2	3/4	3/4
		LPG/Propane	3/4	3/4	3/4	3/4	3/4	3/4
	Water supply and return size		1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT
	Drain connection size		3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
	Electrical characteristics		120 volts - 60 hertz - 1 phase (less than 12 amps)					
Shipping Data	lbs. - 1 package	232	290	355	426	493	569	

OPTIONAL ACCESSORIES

See Lennox Price Book For Complete Listing of Optional Accessories

LPG/Propane Conversion Kit	Standard (0-5000 ft.)	72M81	72M81	72M81	72M81	72M81	72M81
	High Altitude (5000+ ft.)	54L58	54L58	54L58	54L58	54L58	54L58
Combustible Flooring Base		N/A	N/A	N/A	N/A	18P26	18P26
Sidewall Power Venting		Venting Kit	79J15	79J15	79J15	79J15	N/A

¹ Net AHRI water ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Ratings based on an allowance of 1.15 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than the calculated heat loss of the building.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.

³ 3 in. to 4 in. adaptor furnished for flue connection to induced draft blower.



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WATER HEATERS / BOILERS

GW8-E

PRODUCT CATALOG

Gas-Fired - Hot Water Boiler
AFUE - Up to 83.9%
Input - 50,000 to 299,000 Btuh

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FEATURES

Heating System

Cast Iron Boiler Assembly
Stainless Steel Burners (050 to 200 models)
Titanium Burners (262 and 299 models)
Automatic Gas Control Valve
Relief Valve
Combination Temperature/Pressure Gauge
Circulating Pump (shipped separately)
Brass Drain Valve

Venting

Blocked Vent Shutoff Sensor
Integral Draft Hood
Vent Damper

Controls

Boiler Control Module with LED Readout and Status Lights
Ignition Control Module
Flame Rollout Switch
Limit Sensor
Transformer
Junction Box

Cabinet

Heavy-gauge steel with baked-on enamel finish.
Fully insulated with fiberglass insulation.



ACCESSORIES

- LPG/Propane Conversion Kit
- Thermostat

WARRANTY

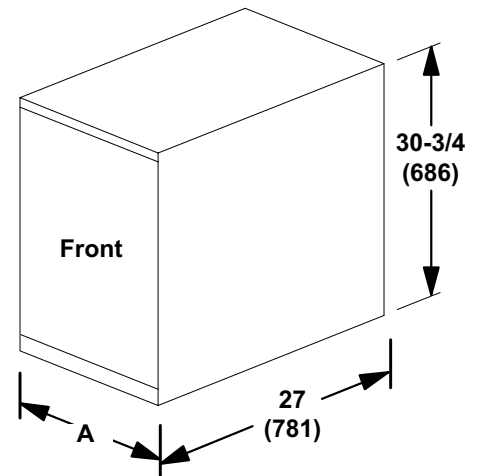
Cast Iron Boiler Assembly -
twenty years

All other covered components -
five years

Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

Model No	A
050E-3	11-1/8 (283)
075E-3	15 (381)
100E-3	15 (381)
125E-3	18-7/8 (479)
150E-3	18-7/8 (479)
170E-3	22-3/4 (578)
200E-3	22-3/4 (578)
262E-3	27-1/2 (699)
299E-3	30-3/4 (781)

DIMENSIONS



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SPECIFICATIONS

Model No.		GWB8-050E-3	GWB8-075E-3	GWB8-100E-3	GWB8-125E-3	GWB8-150E-3	
Gas Heating Performance	Heating capacity input - Btuh	50,000	75,000	100,000	125,000	150,000	
	Heating capacity output - Btuh	42,000	63,000	83,000	104,000	124,000	
	¹ Net AHRI I=B=R rating - Btuh	37,000	55,000	72,000	90,000	108,000	
	² AFUE	83.5%	83.1%	83.0%	82.0%	83.0%	
Boiler Data	Number of boiler sections	2	3	3	4	4	
	Boiler capacity - U.S. gallons	2.4	4.0	4.0	5.6	5.6	
Connections in.	Flue Size diameter (round)	4	5	6	6	7	
	Gas piping size I.P.S.	Natural gas	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT
		LPG/Propane	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT
	Water supply and return size		1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT
	Drain connection size		3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
Electrical characteristics		120 volts - 60 hertz - 1 phase (less than 12 amps)					
Shipping Data		lbs. - 1 package	205	253	253	315	315

OPTIONAL ACCESSORIES

See Lennox Price Book For Complete Listing of Optional Accessories

LPG/Propane Conversion Kit	68E01	76E01	68E01	71E01	68E01
----------------------------	-------	-------	-------	-------	-------

¹ Net AHRI water ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Ratings based on an allowance of 1.15 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than the calculated heat loss of the building.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.

SPECIFICATIONS

		Model No.	GWB8-170E-3	GWB8-200E-3	GWB8-262E-3	GWB8-299E-3
Gas Heating Performance	Heating capacity input - Btuh		170,000	200,000	262,000	299,000
	Heating capacity output - Btuh		139,000	165,000	220,000	251,000
	¹ Net I=B=R rating - Btuh		121,000	143,000	191,000	218,000
	² AFUE		82.0%	82.0%	83.9%	83.7%
Boiler Data		Number of boiler sections	5	5	8	9
		Boiler capacity - U.S. gallons	7.2	7.2	12.7	14.4
Connections in.	Flue Size diameter (round)		7	8	7	7
	Gas piping size I.P.S.	Natural gas	1/2 NPT	1/2 NPT	3/4 NPT	3/4 NPT
		LPG/Propane	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT
	Water supply and return size		1-1/4 NPT	1-1/4 NPT	1-1/4 NPT	1-1/4 NPT
	Drain connection size		3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
Electrical characteristics			120 volts - 60 hertz - 1 phase (less than 12 amps)			
Shipping Data		lbs. - 1 package	377	377	552	616

OPTIONAL ACCESSORIES

See Lennox Price Book For Complete Listing of Optional Accessories

LPG/Propane Conversion Kit	71E01	68E01	72E01	74E01
----------------------------	-------	-------	-------	-------

¹ Net AHRI water ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Ratings based on an allowance of 1.15 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than the calculated heat loss of the building.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.



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WATER HEATERS / BOILERS

GSB8-E

PRODUCT CATALOG

NOTE - Not Available In Canada!

FEATURES

Heating System

Cast Iron Boiler Sections
Titanium Burners
Automatic Gas Control Valve
Pressure Relief Valve
Brass Drain Valve
Steam Pressure Gauge
Low Water Cut-Off
Water Level Gauge
Motorized Vent Damper

Controls

Electronic Ignition
Flame Rollout Switch
Steam Pressure Limit Control
Low Water Cut-Off
Transformer
Wiring Junction Box

Venting

Blocked Vent Shutoff Sensor
Vent Damper

Cabinet

Heavy-gauge steel with baked-on enamel finish.
Fully insulated with fiberglass insulation.



WARRANTY

Cast Iron Boiler Assembly -
twelve years

All other covered components -
five years

Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

Model No	A
75E	11-1/4 (286)
112E	14-1/2 (368)
150E	17-3/4 (451)
187E	21 (533)
225E	24-1/4 (616)
262E	27-1/2 (699)
299E	30-3/4 (781)

Gas-Fired - Steam Boiler
AFUE - Up to 82.7%
Input - 75,000 to 299,000 Btuh

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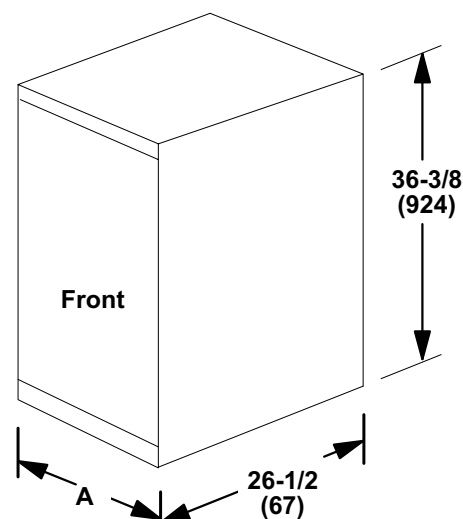
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ACCESSORIES

- Combustible Flooring Base
- LPG/Propane Conversion Kit
- Thermostat

DIMENSIONS



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SPECIFICATIONS

				Model No.	GSB8 -075E	GSB8 -112E	GSB8 -150E	GSB8 -187E	GSB8 -225E	GSB8 -262E	GSB8 -299E
Gas Heating Performance	Heating capacity Btuh	Input	Natural gas	75,000	112,500	150,000	187,000	225,000	262,500	299,000	
			LPG/Propane	70,000	105,000	140,000	175,000	210,000	245,000	280,000	
		Output	Natural gas	62,000	91,000	122,000	153,000	183,000	214,000	245,000	
			LPG/Propane	58,000	85,000	114,000	143,000	171,000	200,000	229,000	
	¹ Net AHRI I=B=R rating - Btuh		Natural gas	47,000	68,000	92,000	115,000	137,000	161,000	184,000	
			LPG/Propane	44,000	64,000	86,000	107,000	128,000	150,000	172,000	
	¹ Net AHRI I=B=R rating - sq. ft. radiation		Natural gas	196	283	383	479	571	671	767	
			LPG/Propane	183	267	358	446	553	625	717	
				² AFUE	82.7%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%
	Boiler Data	Number of boiler sections			3	4	5	6	7	8	9
Boiler capacity - U.S. gallons		Full		4.2	5.90	7.60	9.30	11.00	12.70	14.40	
		Water level		2.6	3.80	5.00	6.20	7.40	8.60	9.80	
Connections in.	Flue size diameter (round)			5	6	6	7	7	7	7	
	Gas piping	Natural gas		1/2	1/2	1/2	3/4	3/4	3/4	3/4	
		LPG/Propane		1/2	1/2	1/2	3/4	3/4	3/4	3/4	
	Water supply size			2-1/2 NPT							
	Water return size			2-1/2 NPT							
	Drain size			3/4 NPT							
	Electrical characteristics				120 volts - 60 hertz - 1 phase (less than 12 amps)						
Shipping weight - lbs. 1 package				325	404	483	564	649	719	800	

OPTIONAL ACCESSORIES

See Lennox Price Book For Complete Listing of Optional Accessories

LPG/Propane Conversion Kit	Standard Kit	57L60	54L59	54L61	54L63	54L65	54L67	54L69
	High Altitude (over 5000 ft.)	57L61	54L60	54L62	54L64	54L66	54L68	54L70
Combustible Flooring Base		N/A	N/A	N/A	N/A	18P26	18P26	18P26

¹ Net AHRI steam ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Steam ratings based on an allowance of 1.333 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than installed radiation in square feet.

² Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.



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WATER HEATERS / BOILERS

COWB3

PRODUCT CATALOG

Oil-Fired - Hot Water Boiler
AFUE - Up to 85.2%
Input - 105,000 to 245,000 Btuh

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FEATURES

Heating System

- Cast Iron Boiler Assembly
- Beckett Oil Burner
- Pressure Relief Valve
- Combination Temperature/Pressure Gauge
- Circulating Pump
- Brass Drain Valve
- Flue Brush

Venting

- Barometric Draft Control

Controls

- High Limit and Circulator Relay Control

Cabinet

- Heavy gauge steel with baked-on enamel finish.
- Fully insulated with fiberglass insulation.



ACCESSORIES

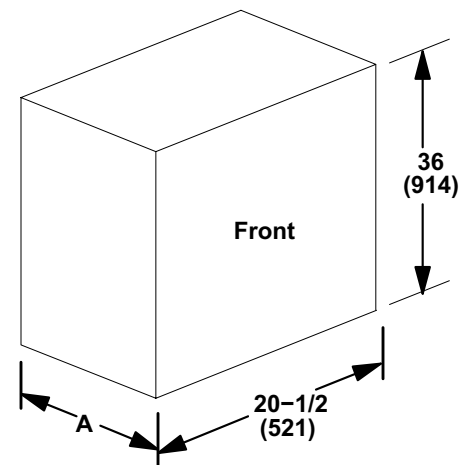
- Tankless Hot Water Coil
- Thermostat

WARRANTY

Cast Iron Boiler Assembly - twenty years
All other covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No	A	Overall Depth
COWB3-3	14-1/2 (368)	28-1/4 (718)
COWB3-4	17-3/4 (451)	31-1/2 (800)
COWB3-5	21 (533)	34-3/4 (883)

DIMENSIONS



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SPECIFICATIONS

Model No.			COWB3-3	COWB3-4	COWB3-5
Oil Heating Performance	Input - Btuh	Low Fire Nozzle	105,000	175,000	245,000
		High Fire Nozzle	140,000	210,000	- - -
	¹ Output - Btuh	Low Fire Nozzle	92,000	151,000	210,000
		High Fire Nozzle	120,000	179,000	- - -
	² Net AHRI I=B=R rating - Btuh	Low Fire Nozzle	80,000	131,000	183,000
		High Fire Nozzle	104,000	156,000	- - -
	³ AFUE	Low Fire Nozzle	85.2%	85.0%	84.3%
		High Fire Nozzle	84.0%	84.0%	- - -
Boiler	Number of boiler sections		3	4	5
	Net boiler heating surface - sq. ft.		18.54	25.16	31.78
	Boiler capacity - U.S. gallons		9.6	11.6	13.7
⁴ Nozzle Ratings	U.S. gallons/min.	Low Fire Nozzle	0.75	1.25	1.75
		High Fire Nozzle	1.00	1.50	- - -
Oil Burner Pump	Factory setting 100 psi		1 stage	1 stage	1 stage
Connections in.	Oil piping size N.P.T.		1/4	1/4	1/4
	Flue size diameter		6	6	6
	Water supply size N.P.T.		1-1/4	1-1/4	1-1/4
	Water return size N.P.T.		1-1/4	1-1/4	1-1/4
	Drain connection size N.P.T.		3/4	3/4	3/4
Shipping Data - lbs. (1 package)			492	575	673
Electrical characteristics			120 volts - 60 hertz - 1 phase (less than 12 amps)		

OPTIONAL ACCESSORIES

See Lennox Price Book For Complete Listing of Optional Accessories

⁵ Tankless Water Heater	Catalog Number	27M20	27M20	27M20
	U.S. gallons/min. Low Fire Nozzle	3.00	3.50	4.00
	High Fire Nozzle	3.25	3.75	4.25

NOTE - Circulating pump is not furnished in Canada and must be field supplied.

¹ Heating capacity based on 13% CO₂ with 0.02 in. w.g. draft over fire and #1 smoke or less.² Net AHRI ratings indicate the amount of equivalent direct radiation each boiler will produce under normal conditions and thermostatic control. Ratings based on an allowance of 1.15 in accordance with the factors shown on the I=B=R Standard as published by The Hydronics Institute. Selection of boiler size should be based on "Net I=B=R Rating" being equal to or greater than the calculated heat loss of the building.³ Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labelling regulations.⁴ Based on 140,000 Btuh per gallon.⁵ Water heated from 40°F to 140°F with 200°F boiler water temperature, intermittent draw.

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PRODUCT CATALOG

Residential Hot Water Air Handler
Heating Capacity - 23,700 to 220,000 Btuh
Add-On Cooling - 2 - 5 Tons

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FEATURES

CBWMV can be used with properly sized gas-fired or oil-fired water heating devices.

Hot water is circulated through the CBWMV hot water coil, supply air blower moves the return air past the coil to extract the heat and then distribute the heated air throughout the conditioned space.

Cannot be used with potable water.

Multi-position

Lennox add-on indoor coil with remote air conditioners, air cleaners, automatic humidifier, and all Lennox Indoor Air Quality products can easily be added for a complete, all-season system.

Heating System

Hot Water Coil - Seamless, corrosion resistant copper tubes with corrugated/lanced aluminum fins.

Freezestat

Controls

Electronic Blower Control

24 Volt Transformer

Blower/Pump Control

Blower

Variable-speed, Direct-Drive Blower

Cabinet

Heavy gauge steel construction with and baked-on enamel paint finish.

Foil faced fiberglass insulation on hot water coil access door panel, side panels and on back panel.

Black mat faced fiberglass in blower compartment.

Field Make-up Box



ACCESSORIES

Cabinet

- Horizontal Support Frame Kit
- RAB Return Air Base
- Air Filter and Rack Kit (Horizontal)
- Air Filter and Rack Kit (Upflow)
- EZ Filter Base (Upflow)

Heating System

- Circulating Pump
- Freezestat

Controls

- ComfortSense® 7500 Thermostat
- Thermostat

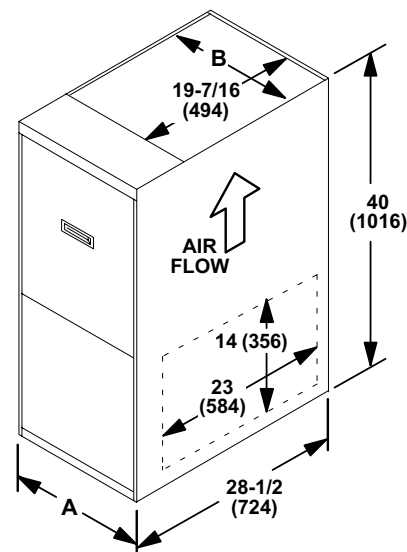
WARRANTY

All covered components - ten years

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

DIMENSIONS

		"B" Width	"C" Width
A		17-1/2 (446)	21 (533)
B		16-3/8 (416)	19-7/8 (454)
Bottom return	Width	16 (406)	19-1/2 (495)
	Depth	23-1/2 (597)	23-1/2 (597)



SPECIFICATIONS

Model No.		CBWMV -24B-040	CBWMV -36B-070	CBWMV -36C-090	CBWMV -60C-100	CBWMV -60C-120
Heating Performance	Nominal heating capacity - Btuh	40,000	70,000	90,000	100,000	120,000
	¹ Temperature rise range - °F	32 - 101	45 - 125	51 - 125	41 - 113	45 - 125
Indoor Blower	Wheel nominal diameter x width - in.	10 x 8	10 x 8	10 x 8	11-1/2 x 10	11-1/2 x 10
	Blower motor output - hp	1/2	1/2	1/2	1	1
	Tons of add-on cooling	2 - 3	2 - 3	2 - 3	3.5 - 5	3.5 - 5
	Air volume range - cfm	510 - 1440	490 - 1430	520 - 1450	930 - 2200	930 - 2200
Heating Coil	Heating capacity range Btuh	23,700 - 84,700	30,300 - 123,800	31,400 - 138,400	49,600 - 181,700	55,000 - 220,000
	Net face area - sq. ft.	3.83	3.83	4.33	4.33	4.33
	Tube diameter & no. of rows - in.	3/8 - 1	3/8 - 2	3/8 - 2	3/8 - 2	3/8 - 3
	Fins per inch	16	16	16	16	16
Water Line Connections (sweat) - in. I.D.	Inlet	3/4	3/4	1	1	1
	Outlet	3/4	3/4	1	1	1
Shipping Data	lbs. - 1 package	127	144	157	157	165

ELECTRICAL DATA

Electrical characteristics	120 volts - 60 hertz - 1 phase				
² Maximum Overcurrent Protection	15	15	15	20	20
Minimum Circuit Ampacity	10.2	10.2	10.4	16.8	16.8

OPTIONAL ACCESSORIES (ORDER SEPARATELY)

³ Air Filter & Rack Kit Size of filter	Horizontal (end) - in.	87L96 18 x 25 x 1		87L97 20 x 25 x 1 in.		
	Side Return - in.	Single 44J22 or Ten Pack - (1) 16 x 25 x 1				
Circulating Pump	Catalog Number	99K69	99K69	53J76	53J76	53J76
	Motor output - hp	1/40	1/40	1/25	1/25	1/25
	Capacity - U.S. gpm	6	6	9.5	9.5	9.5
	Pressure drop thru coil @ rated flow - psi	3	3	3	3	3
EZ Filter Base	Catalog Number	73P56		73P57		
	Dimensions - H x W x D - in.	4 x 17-5/8 x 28-5/8		4 x 21-5/8 x 28-5/8		
	Size of field provided filter - in.	16 x 25 x 1		20 x 25 x 1		
Horizontal Support Frame Kit		56J18	56J18	56J18	56J18	56J18
RAB Return Air Base		98M60	98M60	98M58	98M58	98M58
ComfortSense® 7500 Thermostat		13H14	13H14	13H14	13H14	13H14

¹ Minimum temperature rise is based off 140°F entering water temperature and the maximum heating air volume. Maximum temperature rise is based off 200°F entering water temperature and the minimum heating air volume using Harmony III™ Zone Control.

² HACR type breaker or fuse.

³ Cleanable polyurethane frame type filter.



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PRODUCT CATALOG

AIR CONDITIONERS XC25

DAVE LENNOX SIGNATURE® COLLECTION

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 26.00
2 to 5 Tons

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Supersedes January 2018

FEATURES

Refrigerant System

Variable capacity scroll compressor with crankcase heater and sound cover.

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

Copper tube construction with enhanced ripple-edged aluminum fins.

Super-quiet outdoor fan with SilentComfort™ Technology

Variable-speed outdoor fan motor and specially designed fan blades reduce operating sound levels.

PVC coated, steel fan guard.

Fully serviceable brass service valves

Factory installed, hi-capacity liquid line drier

iComfort® Communicating Control

iComfort® Control communicates information about the unit to the iComfort® thermostat (required).

DC Inverter Control adjusts compressor output in increments as small as 1%.

High Pressure Switch

Loss of Charge Switch

Precise Comfort™ Technology

The Variable Capacity Compressor and DC Inverter Control is an integrated system that operates together to reduce overall energy usage when compared to conventional air conditioners.

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.



iComfort® S30
Thermostat required.
Not furnished

AHRI RATINGS

See AHRI Ratings Supplement

REQUIRED CONTROLS

- iComfort® S30 Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

See page 23

Controls

- Freezestat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

LIMITED WARRANTY

Compressor - ten years

All covered components - ten years

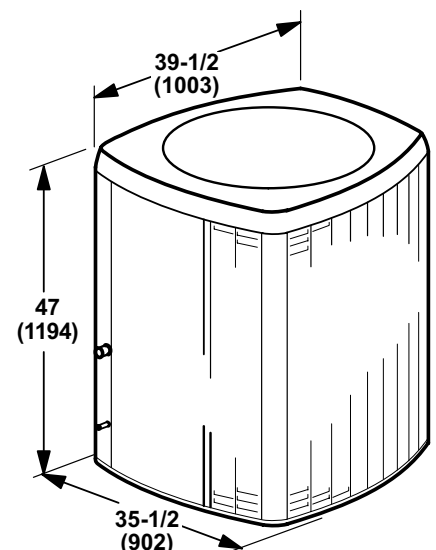
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

NOTE - The Dave Lennox Signature Collection XC25 Air Conditioner can only be used with the iComfort® S30 Thermostat.

NOTE - The XC25 can only be matched with iComfort® Communicating variable-speed indoor furnaces and air handlers.



DIMENSIONS



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SPECIFICATIONS

General Data		Model No.	XC25-024	XC25-036	XC25-048	XC25-060
Nominal Tonnage			2	3	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)	Min.		59	59	66	64
	Max.		70	73	74	74
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.		7/8	7/8	7/8	1-1/8
Refrigerant	² R-410A charge furnished		13 lbs. 10 oz.	10 lbs. 12 oz.	14 lbs. 8 oz.	12 lbs. 9 oz.
Outdoor Fan	Diameter - in.		26	26	26	26
	No. of blades		5	5	5	5
	Motor hp		1/3	1/3	1/3	1/3
Shipping Data - lbs. - 1 pkg.			303	303	330	330

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
³ Maximum overcurrent protection (amps)		25	30	50	50
⁴ Minimum circuit ampacity		14.9	19.5	32.9	34.1
Compressor	Rated load amps	10.3	14.0	24.7	25.7
	Locked rotor amps	18	18	29	29
	Power factor	0.97	0.98	0.99	0.99
Outdoor Fan Motor - Full load amps		2.0	2.0	2.0	2.0

REQUIRED COMPONENTS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	12U67	12U67	12U67
⁵ Discharge Air Temperature Sensor	88K38	88K38	88K38	88K38

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.

² 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.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁵ Optional for service diagnostics.



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PRODUCT CATALOG

AIR CONDITIONERS XC21

DAVE LENNOX SIGNATURE® COLLECTION

R-410A - Two-Stage Scroll Compressor
SEER - Up to 21.00
2 to 5 Tons

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Supersedes January 2018

FEATURES

Refrigerant System

Two-Stage scroll compressor with crankcase heater

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

Copper tube construction with enhanced ripple-edged aluminum fins.

Super-quiet outdoor fan with SilentComfort™ Technology

Variable-speed outdoor fan motor and specially designed fan blades reduce operating sound levels.

PVC coated, steel fan guard.

Fully serviceable brass service valves

Factory installed, hi-capacity liquid line drier

iComfort® Communicating Control

iComfort® Control communicates information about the unit to the optional iComfort® thermostat.  So simple. So smart. So comfortable.

High Pressure Switch

Loss of Charge Switch

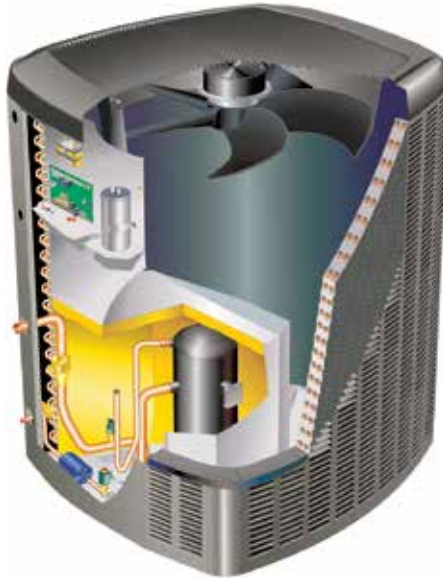
Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Compressor and control box located in a separate compartment, insulated with thick fiberglass insulation.



AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 23

Compressor

- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Time-Off Control

Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Indoor Blower Speed Relay Kit
- Low Ambient Kit

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

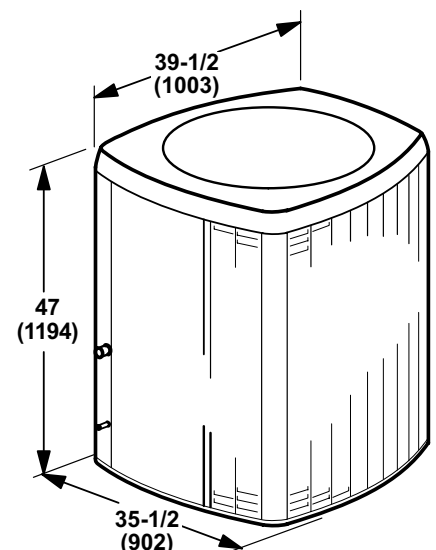
LIMITED WARRANTY

Compressor - ten years

All covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	XC21-024	XC21-036	XC21-048	XC21-060
	Nominal Tonnage	2	3	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)		69	71	73	73
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.	7/8	7/8	7/8	1-1/8
Refrigerant	² R-410A charge furnished	11 lbs. 12 oz.	12 lbs. 5 oz.	13 lbs. 8 oz.	12 lbs. 8 oz.
Outdoor Fan	Diameter - in.	26	26	26	26
	No. of blades	5	5	5	5
	Motor hp	1/3	1/3	1/3	1/3
Shipping Data	lbs. - 1 package	314	331	337	338

ELECTRICAL DATA

	Line voltage data - 60hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	³ Maximum overcurrent protection (amps)	25	35	45	60
	⁴ Minimum circuit ampacity	20	21.1	28.5	35.8
Compressor - Rated load amps		11.7	15.3	21.2	27.1
Outdoor Fan Motor - Full load amps		2.0	2.0	2.0	2.0

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type circuit breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements



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PRODUCT CATALOG

AIR CONDITIONERS

SL18XC1

DAVE LENNOX SIGNATURE® COLLECTION

R-410A - Scroll Compressor - SilentComfort™ Technology

SEER - Up to 18.50

2 to 5 Tons

Page 5

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll compressor with crankcase heater and sound cover

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

Lennox Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins.

Super-quiet outdoor fan with SilentComfort™ Technology

Specially designed fan blades reduce operating sound levels.

PVC coated, steel fan guard.

Fully serviceable brass service valves

Factory installed, hi-capacity liquid line drier

iComfort® Communicating Control

iComfort® Control communicates information about the unit to the optional iComfort® thermostat.



High Pressure Switch

Loss of Charge Switch

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

LIMITED WARRANTY

Compressor - ten years

All covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details



AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 23

Compressor

- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Time-Off Control

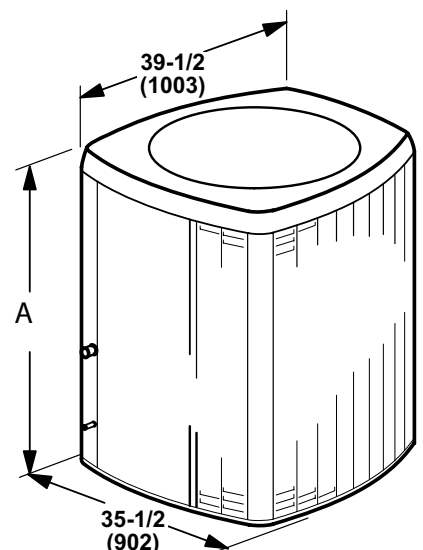
Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



Model No.	A
SL18XC1-024 SL18XC1-048 SL18XC1-060	47 (1194)
SL18XC1-030 SL18XC1-036 SL18XC1-042	41 (1041)

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SPECIFICATIONS

General Data		Model No.	SL18XC1-024	SL18XC1-030	SL18XC1-036	SL18XC1-042	SL18XC1-048	SL18XC1-060
Nominal Tonnage			2	2.5	3	3.5	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J18	12J19	12J20	12J20	12J20
¹ Sound Rating Number (dB)			65	68	71	71	74	74
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.		3/4	3/4	7/8	7/8	7/8	1-1/8
Refrigerant ² R-410A charge furnished			7 lbs. 0 oz.	8 lbs. 8 oz.	8 lbs. 8 oz.	10 lbs. 3 oz.	10 lbs. 13 oz.	12 lbs. 0 oz.
Outdoor Fan	Diameter - in.		26	26	26	26	26	26
	No. of blades		5	5	5	5	5	5
	Motor hp		1/3	1/3	1/3	1/3	1/3	1/3
Shipping Data - lbs. 1 pkg.			241	258	260	280	296	298

ELECTRICAL DATA

Line voltage data - 60hz - 1 ph		208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		25	30	30	40	45	50
⁴ Minimum circuit ampacity		20	20	20	24.4	26.0	31.6
Compressor	Rated load amps	11.2	12.8	14.1	17.9	19.2	23.7
	Locked rotor amps	60.8	67.8	72.2	112.0	117	152.5
	Power factor	.97	.97	.99	.97	.97	.96
Outdoor Fan Motor Full load amps		2.0	2.0	2.0	2.0	2.0	2.0

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type circuit breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements



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PRODUCT CATALOG

AIR CONDITIONERS XC20 ELITE® SERIES

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 20.00
2 to 5 Tons

Page 7

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Variable capacity scroll compressor with crankcase heater.
Non-chlorine, ozone friendly, R-410A refrigerant.

Copper tube construction with enhanced ripple-edged aluminum fins.

Variable-Speed Outdoor Coil Fan Motor With Integrated Control is programmed for variable capacity operation. Fan speed is directly controlled by the iComfort® communications between the outdoor unit iComfort® control and the iComfort® Thermostat.

PVC coated, steel fan guard.

Fully serviceable brass service valves

Factory installed, hi-capacity liquid line drier

iComfort® Communicating Control

iComfort® Control communicates information about the unit to the iComfort® thermostat (required).



DC Inverter Control adjusts compressor output in increments as small as 1%.

High Pressure Switch

Low Pressure Switch

Precise Comfort™ Technology

The Variable Capacity Compressor and DC Inverter Control is an integrated system that operates together to reduce overall energy usage when compared to conventional air conditioners.

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.



iComfort® S30 Thermostat required. Not furnished

LIMITED WARRANTY

Compressor - ten years

All covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

AHRI RATINGS

See AHRI Ratings Supplement

REQUIRED CONTROLS

- iComfort® S30 Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

See page 23

Controls

- Freezestat

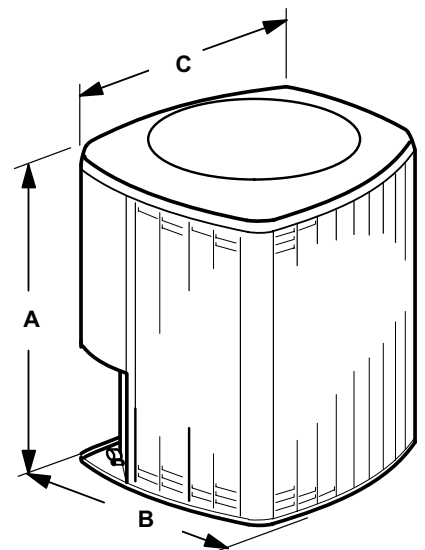
Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

NOTE - The XC20 Air Conditioner can only be used with the iComfort® S30 Thermostat.

NOTE - The XC20 can only be matched with iComfort®-Communicating variable-speed indoor furnaces and air handlers.

Model No.	A	B	C
XC20-024	39 (991)	35-1/2 (902)	39-3/8 (1000)
XC20-036	39 (991)	35-1/2 (902)	39-3/8 (1000)
XC20-048	45 (1143)	35-1/2 (902)	39-3/8 (1000)
XC20-060	45 (1143)	35-1/2 (902)	39-3/8 (1000)



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SPECIFICATIONS

General Data		Model No.	XC20-024	XC20-036	XC20-048	XC20-060
		Nominal Tonnage	2	3	4	5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB) - Min./Max.			65/72	67/75	68/77	69/77
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	² R-410A charge furnished		7 lbs. 5 oz.	8 lbs. 6 oz.	10 lbs. 7 oz.	12 lbs. 1 oz.
Outdoor Fan	Diameter - in.		22	22	22	26
	No. of blades		4	4	4	3
	Motor hp		1/6	1/4	1/3	1/3
Shipping Data - lbs. 1 pkg.			243	241	287	321

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
³ Maximum overcurrent protection (amps)		30	30	50	50
⁴ Minimum circuit ampacity		19.1	20.6	29.1	29.3
Compressor	Rated load amps	13.0	14.2	21.0	21.2
	Locked rotor amps	13.0	13.0	20.0	20
	Power factor	.98	.99	.99	.99
Outdoor Fan Motor	Full load amps	2.8	2.8	2.8	2.8

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² 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.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



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PRODUCT CATALOG

AIR CONDITIONERS

XC16 ELITE® SERIES

R-410A - Two-Stage Scroll Compressor
SEER - Up to 17.00
2 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Two-Stage scroll compressor with crankcase heater

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

Copper tube construction with enhanced ripple-edged aluminum fins.

PVC coated, steel fan guard.

Fully serviceable brass service valves

Factory installed, hi-capacity liquid line drier

Controls

High Pressure Switch

Loss of Charge Switch

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.



AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 23

Compressor

- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Time-Off Control
- Compressor Monitor

Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Indoor Blower Speed Relay Kit
- Low Ambient Kit
- ComfortSense® 7500 Thermostat
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

LIMITED WARRANTY

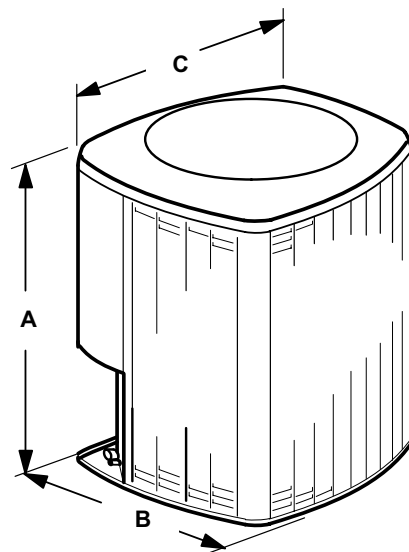
Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
XC16-024	45 (1143)	30-1/2 (775)	35 (889)
XC16-036	31 (787)	30-1/2 (775)	35 (889)
XC16-048	39 (991)	30-1/2 (775)	35 (889)
XC16-060	45 (1143)	35-1/2 (902)	39-1/2 (1003)

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	All Regions	XC16-024	XC16-036	XC16-048	XC16-060
		Southeast and North Regions	XC16S024	XC16S036	XC16S048	XC16S060
		Nominal Tonnage	2	3	4	5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)			73	74	74	74
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		² R-410A charge furnished	7 lbs. 5 oz.	8 lbs. 6 oz.	10 lbs. 7 oz.	12 lbs. 1 oz.
Outdoor Fan		Diameter - in.	22	22	22	26
		No. of blades	4	4	4	3
		Motor hp	1/6	1/4	1/3	1/3
Shipping Data - lbs. 1 pkg.			249	243	268	332

ELECTRICAL DATA

Line voltage data - 60hz		⁵ 230V-1ph	⁵ 230V-1ph	⁵ 230V-1ph	⁵ 230V-1ph
³ Maximum overcurrent protection (amps)		25	35	50	60
⁴ Minimum circuit ampacity		15.7	20.8	29.2	35.6
Compressor	Rated load amps	11.66	15.25	21.15	27.1
Outdoor Fan Motor	Full load amps	1.0	1.7	2.8	1.8

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² 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.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁵ Hard start kit is required in applications where the supply voltage is less than 230V.



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PRODUCT CATALOG

AIR CONDITIONERS

EL16XC1 ELITE® SERIES

R-410A - Scroll Compressor
SEER - Up to 17.90
1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor with sound cover
Non-chlorine, ozone friendly, R-410A refrigerant.

Lennox Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins.

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

Fully serviceable brass service valves.

Factory installed, hi-capacity liquid line drier

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

PVC coated, steel fan guard.

Controls

High Pressure Switch.

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Corner patch plate allows access to compressor.



AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 23

Compressor

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Time-Off Control

Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch Kit
- Low Ambient Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

LIMITED WARRANTY

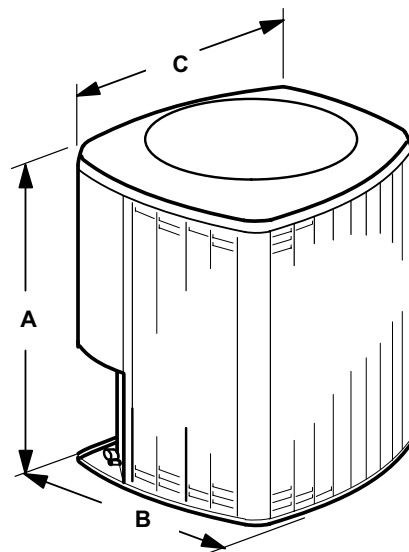
Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
EL16XC1-018	31 (787)	27 (729)	28 (711)
EL16XC1-024	31 (787)	30-1/2 (775)	35 (889)
EL16XC1-030	39 (991)	30-1/2 (775)	35 (889)
EL16XC1-042			
EL16XC1-048			
EL16XC1-036	35 (889)	30-1/2 (775)	35 (889)
EL16XC1-041			
EL16XC1-047	35 (889)	35-1/2 (902)	39-1/2 (1003)
EL16XC1-060			

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	All Regions	EL16XC1-018	EL16XC1-024	EL16XC1-030	EL16XC1-036
		Nominal Tonnage	1.5	2	2.5	3
	Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J18	12J18	12J19
	RFCIV Metering Orifice Usage		See the Unit Product Specifications document for applicable RFC matches			
Connections (sweat)		Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
		Suction line (o.d.) - in.	3/4	3/4	3/4	7/8
Refrigerant		¹ R-410A charge furnished	4 lbs. 9 oz.	4 lbs. 9 oz.	5 lbs. 8 oz.	7 lbs. 1 oz.
Outdoor Fan		Diameter - in.	18	22	22	22
		No. 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 - lbs. 1 pkg.			155	171	187	205

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
² Maximum overcurrent protection (amps)		20	25	25	30
³ Minimum circuit ampacity		11.9	14.6	17	18.0
Compressor	Rated load amps	9.0	10.9	12.8	13.6
	Locked rotor amps	48	59.3	67.8	79
	Power factor	0.97	0.97	0.97	0.96
Outdoor Fan Motor	Full load amps	0.7	1	1	1
	Locked rotor amps	1.3	1.9	1.9	1.9

SPECIFICATIONS

General Data	Model No.	All Regions	EL16XC1-041	EL16XC1-042	EL16XC1-047	EL16XC1-048	EL16XC1-060
		Nominal Tonnage	3.5	3.5	4	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)		12J20	12J20	12J20	12J20	12J20
	RFCIV Metering Orifice Usage		See the Unit Product Specifications document for applicable RFC matches				
Connections (sweat)		Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8	3/8
		Suction line (o.d.) - in.	7/8	7/8	7/8	7/8	1-1/8
Refrigerant		¹ R-410A charge furnished	9 lbs. 9 oz.	8 lbs. 12 oz.	11 lbs. 0 oz.	9 lbs. 12 oz.	12 lbs. 0 oz.
Outdoor Fan		Diameter - in.	22	22	26	22	26
		No. of blades	3	3	4	4	3
		Motor hp	1/6	1/6	1/3	1/4	1/3
		Cfm	3050	3050	4400	3600	4400
		Rpm	825	825	825	825	825
		Watts	190	190	310	310	310
Shipping Data - lbs. 1 pkg.			227	234	272	255	284

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
² Maximum overcurrent protection (amps)		30	40	35	40	50
³ Minimum circuit ampacity		19.3	23.4	21.9	24.2	29.6
Compressor	Rated load amps	14.7	17.9	16.1	18.0	22.2
	Locked rotor amps	75	112	105.5	117	127.9
	Power factor	0.96	0.96	0.98	0.96	0.98
Outdoor Fan Motor	Full load amps	1	1	1.8	1.7	1.8
	Locked rotor amps	1.9	1.9	2.9	3.2	2.9

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

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PRODUCT CATALOG

AIR CONDITIONERS

XC14 ELITE® SERIES

R-410A

SEER - Up to 16.00

1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor with sound cover
Non-chlorine, ozone friendly, R-410A refrigerant.

Copper tube construction with enhanced ripple-edged aluminum fins.

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

Fully serviceable brass service valves.

Factory installed, hi-capacity liquid line drier

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

PVC coated, steel fan guard.

Controls

High Pressure Switch.

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Corner patch plate allows access to compressor.



AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 23

Compressor

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Time-Off Control

Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch Kit
- Low Ambient Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

LIMITED WARRANTY

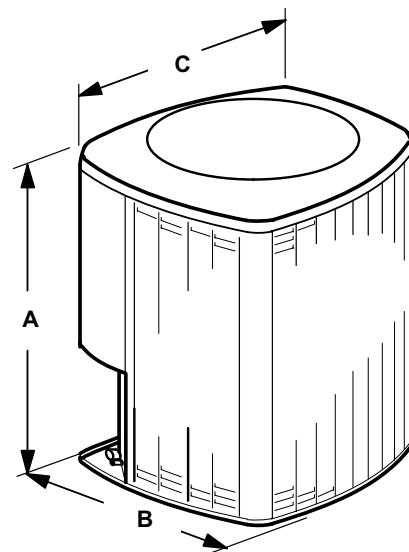
Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
XC14-018	31 (787)	27 (729)	28 (711)
XC14-024	31 (787)	30-1/2 (775)	35 (889)
XC14-030 XC14-036 XC14S036 XC14-041	39 (991)	30-1/2 (775)	35 (889)
XC14-042	35 (889)	30-1/2 (775)	35 (889)
XC14-048	39 (991)	30-1/2 (775)	35 (889)
XC14-047 XC14-060	35 (889)	35-1/2 (902)	39-1/2 (1003)

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	All Regions	XC14-018	XC14-024	XC14-030	XC14-036
		Southeast and North Regions	---	---	---	XC14S036
		Nominal Tonnage	1.5	2	2.5	3
		Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J18	12J18	12J19
		RFCIV Metering Orifice Usage	See the Unit Product Specifications document for applicable RFC matches			
¹ Sound Rating Number (dB)			71	71	71	70
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.		3/4	3/4	3/4	7/8
Refrigerant	² R-410A charge furnished		4 lbs. 13 oz.	5 lbs. 6 oz.	6 lbs. 11 oz.	6 lbs. 11 oz.
Outdoor Fan	Diameter - in.		18	22	22	22
	No. of blades		3	3	3	3
	Motor hp		1/10	1/6	1/6	1/6
Shipping Data - lbs. 1 pkg.			163	200	215	217

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
³ Maximum overcurrent protection (amps)		20	25	25	30
⁴ Minimum circuit ampacity		12.4	15.0	17.1	18.6
Compressor	Rated load amps	9.4	11.2	12.9	14.1
Outdoor Fan Motor	Full load amps	0.7	1.0	1.0	1.0

SPECIFICATIONS

General Data	Model No.	All Regions	XC14-041	XC14-042	XC14-047	XC14-048	XC14-060
		Nominal Tonnage	3.5	3.5	4	4	5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J20	12J20	12J20	12J20	12J20
		RFCIV Metering Orifice Usage	See the Unit Product Specifications document for applicable RFC matches				
¹ Sound Rating Number (dB)			73	73	73	73	73
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.		7/8	7/8	7/8	7/8	1-1/8
Refrigerant	² R-410A charge furnished		10 lbs. 1 oz.	8 lbs. 10 oz.	11 lbs. 3 oz.	10 lbs. 0 oz.	12 lbs. 0 oz.
Outdoor Fan	Diameter - in.		22	22	26	22	26
	No. of blades		4	4	4	4	4
	Motor hp		1/4	1/4	1/3	1/4	1/3
Shipping Data - lbs. 1 pkg.			253	243	284	255	290

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
³ Maximum overcurrent protection (amps)		35	40	45	45	60
⁴ Minimum circuit ampacity		22.6	24.1	26.7	26.7	34.8
Compressor	Rated load amps	16.7	17.9	19.9	20	26.4
Outdoor Fan Motor	Full load amps	1.7	1.7	1.8	1.7	1.8

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



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PRODUCT CATALOG

AIR CONDITIONERS

XC13N ELITE® SERIES

R-410A

SEER - Up to 15.50

1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor

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

Copper tube construction with enhanced ripple-edged aluminum fins.

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

Fully serviceable brass service valves.

Factory installed, hi-capacity liquid line drier

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

PVC coated, steel fan guard.

Discharge thermostat.

Controls

High pressure switch.

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Corner patch plate allows access to compressor.



LIMITED WARRANTY

Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
XC13N018	27	27	28
XC13N024	(686)	(729)	(711)
XC13N030	31	27	28
XC13N036	(787)	(729)	(711)
XC13N042	39	31	35
	(991)	(787)	(889)
XC13N048	35	31	35
	(889)	(787)	(889)
XC13N060	31	31	35
	(787)	(787)	(889)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 24

Compressor

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Sound Cover
- Compressor Time-Off Control

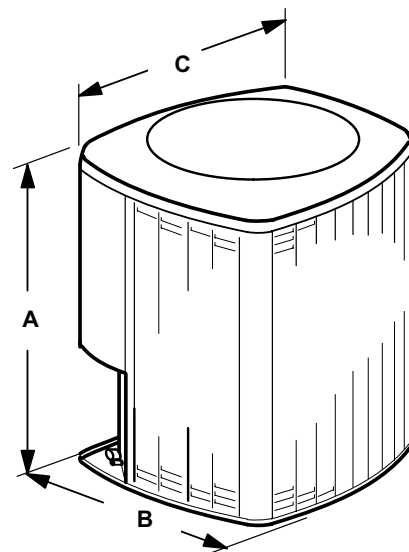
Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch Kit
- Low Ambient Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	North Region	XC13N018	XC13N024	XC13N030	XC13N036	XC13N042	XC13N048	XC13N060
		Nominal Tonnage	1.5	2	2.5	3	3.5	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J18	12J18	12J19	12J20	12J20	12J20
RFCIV Metering Orifice Usage			See the Unit Product Specifications document for applicable RFC matches						
1 Sound Rating Number (dB)			74	74	76	76	76	76	76
Connections (sweat)	Liquid line o.d. - in.		3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction line o.d. - in.		3/4	3/4	3/4	3/4	7/8	7/8	7/8
2 Refrigerant (R-410A) furnished			3 lbs. 13 oz.	4 lbs. 6 oz.	4 lbs. 4 oz.	5 lbs. 4 oz.	6 lbs. 9 oz.	7 lbs. 12 oz.	9 lbs. 0 oz.
Outdoor Fan	Diameter - in.		18	18	18	18	22	22	22
	Number of blades		3	3	4	4	4	4	4
	Motor hp		1/10	1/10	1/5	1/5	1/4	1/4	1/4
Shipping Data - lbs. 1 package			150	150	161	164	240	232	249

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph			208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)			20	25	30	40	45	50	60
⁴ Minimum circuit ampacity			12.4	14.7	18.7	24.4	28.1	32.0	34.6
Compressor	Rated load amps		9.4	11.2	14.1	18.6	21.2	24.2	26.3
	Locked rotor amps		56.6	60.8	64	70	90	100	125
	Power factor		0.98	0.98	0.98	0.99	0.99	0.99	0.99
Condenser Fan Motor	Full load amps		0.7	0.7	1.1	1.1	1.7	1.7	1.7
	Locked rotor amps		1.4	1.4	2.0	2.0	3.2	3.2	3.2

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.³ HACR type circuit breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements

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PRODUCT CATALOG

AIR CONDITIONERS ML14XC1 MERIT® SERIES

R-410A
SEER - Up to 17.00
1.5 to 5 Tons

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February 2018
Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor
Non-chlorine, ozone friendly, R-410A refrigerant.

Lennox Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins.

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

Fully serviceable brass service valves.

High pressure switch

Liquid line drier shipped with unit.

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

Louvered steel top fan guard.

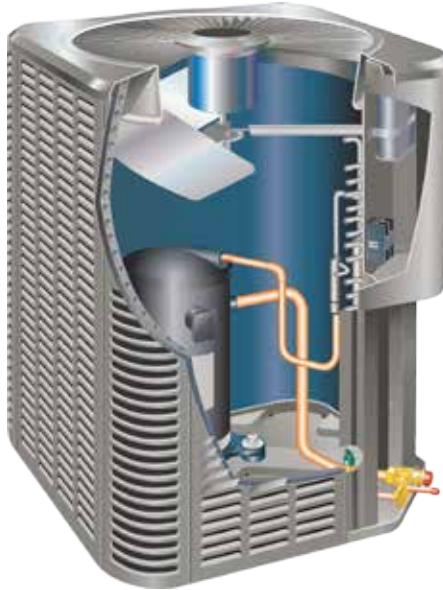
Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

Steel louvered panels provide complete coil protection

PermaGuard™ zinc-coated base.

Corner patch plate allows access to compressor.



LIMITED WARRANTY

Compressor - five years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 24

Cabinet

- Mounting Base
- Unit Stand-Off Kit

Compressor

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Sound Cover
- Compressor Time-Off Control

Controls

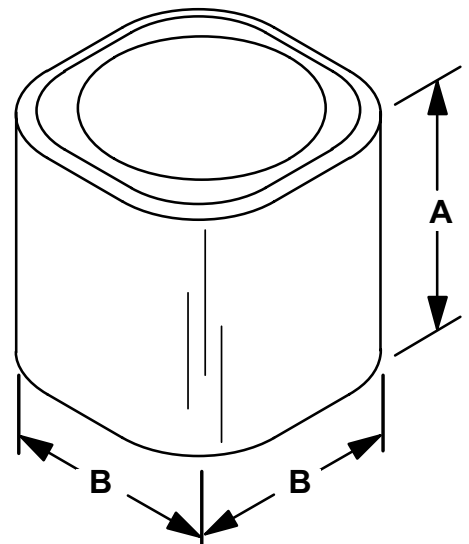
- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Loss of Charge Switch Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS

Model No.	A	B
018	29-1/4 (743)	24-1/4 (616)
024-036	29-1/4 (743)	28-1/4 (718)
030, 041, 042, 048	37-1/4 (946)	28-1/4 (718)
042	33-1/4 (845)	32-1/4 (817)
059, 060	43-1/4 (1099)	32-1/4 (817)



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SPECIFICATIONS

General	Model No.	All Regions	ML14XC1-018	ML14XC1-024	ML14XC1-030	ML14XC1-036	ML14XC1-041
Data		Southeast and North Regions	ML14XC1S018	ML14XC1S024	ML14XC1S030	ML14XC1S036	---
		Nominal Tonnage	1.5	2	2.5	3	3.5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J18	12J18	12J19	12J20
		RFCIV Metering Orifice Usage	See the Unit Product Specifications document for applicable RFC matches				
¹ Sound Rating Number (dB)			73	76	76	76	74
Connections	Liquid line o.d. - in.		3/8	3/8	3/8	3/8	3/8
	Suction line o.d. - in.		3/4	3/4	3/4	7/8	7/8
² Refrigerant (R-410A) furnished			4 lbs. 9 oz.	4 lbs. 9 oz.	5 lbs. 8 oz.	7 lbs. 1 oz.	9 lbs. 0 oz.
Outdoor	Diameter - in. (No. of blades)		18 (3)	22 (3)	22 (3)	22 (3)	22 (3)
Fan	Motor hp		1/10	1/6	1/6	1/6	1/6
Shipping Data - lbs. 1 package			134	152	169	175	192

ELECTRICAL DATA

	Line voltage data - 60 hz - 1ph	208/230V	208/230V	208/230V	208/230V	208/230V
	³ Maximum overcurrent protection (amps)	20	25	25	30	30
	⁴ Minimum circuit ampacity	11.9	14.6	17	18.0	19.3
Compressor	Rated load amps	9.0	10.9	12.8	13.6	14.7
	Locked rotor amps	48	59.3	67.8	79	75
	Power factor	0.97	0.97	0.97	0.96	0.96
	Full load amps	0.7	1	1	1	1
Condenser						
Fan Motor	Locked rotor amps	1.3	1.9	1.9	1.9	1.9

SPECIFICATIONS

General	Model No.	All Regions	ML14XC1-042	ML14XC1-047	ML14XC1-048	ML14XC1-059	ML14XC1-060
Data		Southeast and North Regions	ML14XC1S042	---	---	---	---
		Nominal Tonnage	3.5	4	4	5	5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J20	12J20	12J20	12J20	12J20
		RFCIV Metering Orifice Usage	See the Unit Product Specifications document for applicable RFC matches				
¹ Sound Rating Number (dB)			76	80	78	77	80
Connections	Liquid line o.d. - in.		3/8	3/8	3/8	3/8	3/8
	Suction line o.d. - in.		7/8	7/8	7/8	1-1/8	1-1/8
² Refrigerant (R-410A) furnished			8 lbs. 12 oz.	11 lbs. 0 oz.	9 lbs. 12 oz.	11 lbs. 13 oz.	12 lbs. 0 oz.
Outdoor	Diameter - in. (No. of blades)		22 (3)	26 (4)	22 (4)	26 (4)	26 (4)
Fan	Motor hp		1/6	1/3	1/4	1/3	1/3
Shipping Data - lbs. 1 package			211	231	218	253	267

ELECTRICAL DATA

	Line voltage data - 60 hz - 1ph	208/230V	208/230V	208/230V	208/230V	208/230V
	³ Maximum overcurrent protection (amps)	40	35	40	45	50
	⁴ Minimum circuit ampacity	23.4	21.9	24.2	28.8	29.6
Compressor	Rated load amps	17.9	16.1	18.0	20.8	22.2
	Locked rotor amps	112	105.5	117	127.1	127.9
	Power factor	0.96	0.98	0.96	0.98	0.98
	Full load amps	1	1.8	1.7	2.8	1.8
Condenser						
Fan Motor	Locked rotor amps	1.9	2.9	3.2	---	2.9

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² 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.

³ HACR type circuit breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



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PRODUCT CATALOG

AIR CONDITIONERS 14ACX MERIT® SERIES

R-410A
SEER - Up to 16.00
1.5 to 5 Tons

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February 2018
Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor

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

Units applicable to expansion valve systems or RFC systems when matched with specific indoor coils
Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves.

High pressure switch

Liquid line drier shipped with unit

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

Louvered steel top fan guard.

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

Steel louvered panels provide complete coil protection

PermaGuard™ zinc-coated base.

Corner patch plate allows access to compressor.



LIMITED WARRANTY

Compressor - five years

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B
14ACX-018	29-1/4 (743)	24-1/4 (616)
14ACX-024	29-1/4 (743)	28-1/4 (718)
14ACX-030 14ACX-036 14ACX-041	37-1/4 (946)	28-1/4 (718)
14ACX-042	33-1/4 (845)	28-1/4 (718)
14ACX-048	37-1/4 (946)	28-1/4 (718)
14ACX-059	37-1/4 (946)	32-1/4 (819)
14ACX-047 14ACX-060	33-1/4 (845)	32-1/4 (819)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 24

Cabinet

- Mounting Base
- Unit Stand-Off Kit

Compressor

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Sound Cover
- Compressor Time-Off Control

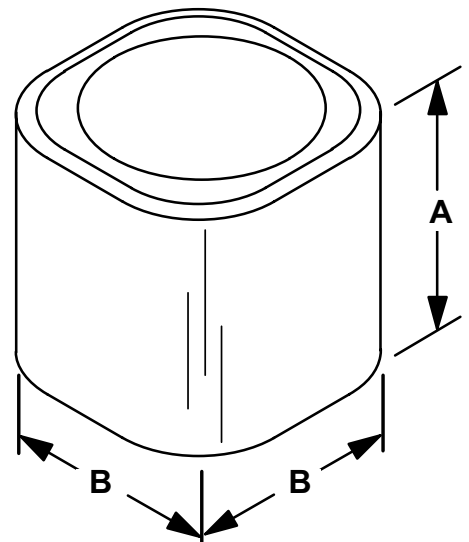
Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Loss of Charge Switch Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	All Regions	14ACX-018	14ACX-024	14ACX-030	14ACX-036	14ACX-041
		Southeast and North Regions	14ACXS018	14ACXS024	14ACXS030	14ACXS036	- - -
		Nominal Tonnage	1.5	2	2.5	3	3.5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J18	12J18	12J19	12J20
		RFCIV Metering Orifice Usage	See the Unit Product Specifications document for applicable RFC matches				
¹ Sound Rating Number (dB)			76	76	76	76	78
Connections (sweat)	Liquid line o.d. - in.		3/8	3/8	3/8	3/8	3/8
	Suction line o.d. - in.		3/4	3/4	3/4	7/8	7/8
² Refrigerant (R-410A) furnished			4 lbs. 13 oz.	5 lbs. 6 oz.	6 lbs. 11 oz.	6 lbs. 11 oz.	10 lbs. 1 oz.
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
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
	³ Maximum overcurrent protection (amps)	20	25	25	30	35
	⁴ Minimum circuit ampacity	12.4	15.0	17.1	18.6	22.6
Compressor	Rated load amps	9.4	11.2	12.9	14.1	16.7
Condenser Fan Motor	Full load amps	0.7	1.0	1.0	1.0	1.7

SPECIFICATIONS

General Data	Model No.	All Regions	14ACX-042	14ACX-047	14ACX-048	14ACX-059	14ACX-060
		Southeast and North Regions	14ACXS042	- - -	- - -	- - -	- - -
		Nominal Tonnage	3.5	4	4	5	5
		Indoor Unit Expansion Valve (TXV) (If needed)	12J20	12J20	12J20	12J20	12J20
		RFCIV Metering Orifice Usage	See the Unit Product Specifications document for applicable RFC matches				
¹ Sound Rating Number (dB)			78	80	78	78	80
Connections (sweat)	Liquid line o.d. - in.		3/8	3/8	3/8	3/8	3/8
	Suction line o.d. - 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 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
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	24.1	26.7	26.7	34.1	34.8
Compressor	Rated load amps	17.9	19.9	20	25	26.4
Condenser Fan Motor	Full load amps	1.7	1.8	1.7	2.8	1.8

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.³ HACR type circuit breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements

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PRODUCT CATALOG

AIR CONDITIONERS

13ACXN MERIT® SERIES

R-410A

SEER - Up to 15.50

1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor

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

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

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves.

Liquid line drier shipped with unit

High Pressure Switch

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

Louvered steel top fan guard.

Cabinet

Heavy-gauge galvanized steel cabinet with powder paint finish.

Steel louvered panels provide complete coil protection

PermaGuard™ zinc-coated base.

Corner patch plate allows access to compressor.



LIMITED WARRANTY

Compressor - five years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B
13ACXN018	25-1/4	24-1/4
13ACXN024	(616)	(616)
13ACXN030	29-1/4	24-1/4
13ACXN036	(743)	(616)
13ACXN042	29-1/4	28-1/4
	(743)	(718)
13ACXN048	33-1/4	28-1/4
	(845)	(718)
13ACXN060	29-1/4	28-1/4
	(743)	(718)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 24

Cabinet

- Mounting Base
- Unit Stand-Off Kit

Compressor

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Sound Cover
- Compressor Time-Off Control

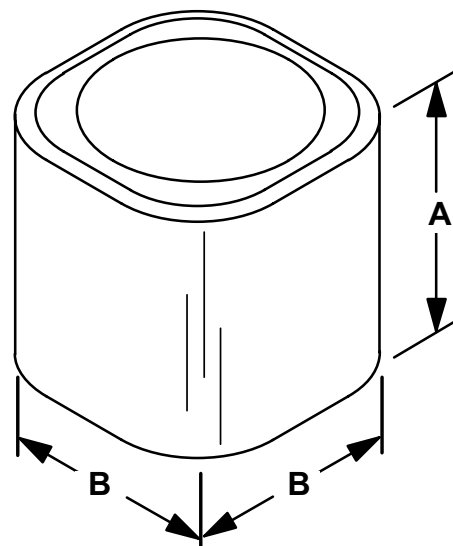
Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Loss of Charge Switch Kit
- Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	North Region	13ACXN018	13ACXN024	13ACXN030	13ACXN036	13ACXN042	13ACXN048	13ACXN060
		Nominal Tonnage	1.5	2	2.5	3	3.5	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J18	12J18	12J19	12J20	12J20	12J20
RFCIV Metering Orifice Usage			See the Unit Product Specifications document for applicable RFC matches						
1 Sound Rating Number (dB)			76	76	76	76	79	79	79
Connections (sweat)	Liquid line o.d. - in.		3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction line o.d. - in.		5/8	5/8	3/4	3/4	3/4	7/8	7/8
2 Refrigerant (R-410A) furnished			3 lbs. 15 oz.	3 lbs. 15 oz.	5 lbs. 2 oz.	5 lbs. 4 oz.	6 lbs. 8 oz.	7 lbs. 12 oz.	9 lbs. 0 oz.
Outdoor Fan	Diameter - in.		18	18	18	18	22	22	22
	Number of blades		3	3	4	4	4	4	4
	Motor hp		1/10	1/10	1/5	1/5	1/4	1/4	1/4
Shipping Data - lbs. 1 package			138	138	144	151	188	195	218

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph			208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)			20	25	25	35	45	50	60
⁴ Minimum circuit ampacity			12.4	14.7	17.1	22.0	28.1	31.9	34.6
Compressor	Rated load amps		9.4	11.2	12.8	16.7	21.2	24.2	26.3
Condenser Fan Motor	Full load amps		0.7	0.7	1.1	1.1	1.7	1.7	1.7

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

¹ Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type circuit breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements



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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Model No.			XC20 XC25				XC21				SL18CX1						EL16XC1						XC14											
			-024	-036	-048	-060	-024	-036	-048	-060	-024	-030	-036	-042	-048	-060	-018	-024	-030	-036	-041	-042	-047	-048	-060	-018	-024	-030	-036	-041	-042	-047	-048	-060
iComfort® S30 Thermostat			12U67	•	•	•	•	•	•	•	•	•	•	•	•	•																		
1 Remote Outdoor Air Sensor			X2658					•	•	•	•																							
2 Discharge Air Temperature Sensor			88K38	•	•	•	•	•	•	•	•	•	•	•	•	•																		
ComfortSense® 7500 Thermostat			13H14					•	•	•	•	•	•	•	•	•																		
Outdoor Temperature Sensor			X2658					•	•	•	•	•	•	•	•	•																		
Compressor Crankcase Heater			93M04														•	•	•	•	•	•	•			•	•	•	•	•	•	•		
			Factory					F	F	F	F											F	F	F							F	F	F	
Compressor Hard Start Kit			63W22					•																										
			12J90							•	•																							
Copeland			10J42					•	•								•	•	•		•	•	•		•	•	•	•	•	•	•	•	•	
LG			88M91									•	•	•	•	•	•	•	•	•	•	•	•			•	•		•		•	•	•	
Compressor Low Ambient Cut-Off			45F08														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Compressor Time-Off Control			47J27					•	•	•	•	•	•	•	•	•										•	•	•	•	•	•	•	•	•
			47J35														•	•	•	•	•	•	•	•	•									
3 Freezestat			3/8 in. tubing	93G35	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
			5/8 in. tubing	50A93	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Indoor Blower Off Delay Relay			58M81					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Indoor Blower Speed Relay			31960					•	•	•	•																							
Loss of Charge Kit			84M23														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
			Factory					F	F	F	F																							
3 Low Ambient Kit (TXV systems only)			68M04					•	•	•	•	•	•	•	•	•																		
			34M72														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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						•				•					•								•										•	

¹ Remote Outdoor Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for service diagnostics.

³ Crankcase Heater (if not furnished) and Freezestat are recommended with Low Ambient Kit.

F = Factory Installed



AIR CONDITIONERS

OPTIONAL ACCESSORIES

PRODUCT CATALOG

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February 2018
Supersedes January 2018

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Model No.		XC13						14ACX								ML14XC1								13ACX											
		N018	N024	N030	N036	N042	N048	N060	-018	-024	-030	-036	-041	-042	-047	-048	-059	-060	-018	-024	-030	-036	-041	-042	-047	-048	-059	-060	N018	N024	N030	N036	N042	N048	N060
Compressor Crankcase Heater	93M04	•	•	•	•				•	•	•	•		•					•	•	•	•		•					•	•	•	•			
	93M05					•	•	•																							•	•	•		
	Factory												F		F	F	F	F					F		F	F	F	F							
Compressor Hard Start Kit	Copeland - 10J42	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•				•	•	•	•	•	•	•
	LG - 88M91	•	•	•	•	•	•	•			•	•		•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Compressor Sound Cover	27W55	•	•	•	•				•	•	•	•							•	•	•	•							•	•	•	•			
	27W56					•	•	•					•	•	•	•	•	•					•	•	•	•	•	•				•	•	•	•
Compressor Low Ambient Cut-Off	45F08	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
¹ Low Ambient Kit (TXV systems only)	34M72	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	68M04																•										•								
Refrigerant Line Sets	L15-26-20 L15-26-35 L15-26-35 L15-26-50																												•	•					
	L15-41-20 L15-41-30 L15-41-40 L15-41-50	•	•	•					•	•	•								•	•	•										•	•	•		
	L15-65-30 L15-65-40 L15-65-50				•	•	•				•	•	•	•	•						•	•	•	•	•							•	•		
	Field Fabricate							•																					•	•					
Unit Stand-Off Kit	94J45								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

¹ Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

F = Factory Installed

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PRODUCT CATALOG

HEAT PUMP OUTDOOR UNITS XP25 DAVE LENNOX SIGNATURE® COLLECTION

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 23.50
2 to 5 Tons

Page 1

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Variable capacity scroll compressor with crankcase heater and sound cover.

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

Super-quiet outdoor fan with SilentComfort™ Technology

Variable-speed outdoor fan motor and specially designed fan blades reduce operating sound levels.

PVC coated, steel fan guard.

Factory installed, hi-capacity liquid line drier

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves

Outdoor unit expansion valve

Four-way interchange reversing valve.

iComfort® Communicating Control

iComfort® Control communicates information about the furnace to the optional iComfort® thermostat (required).
 So simple. So smart. So comfortable.

DC Inverter Control adjusts compressor output in increments as small as 1%.

High Pressure Switch

Low Pressure Switch

Precise Comfort™ Technology

The Variable Capacity Compressor and DC Inverter Control is an integrated system that operates together to reduce overall energy usage when compared to conventional air conditioners.

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.



iComfort® S30
Thermostat required.
Not furnished

AHRI RATINGS

See AHRI Ratings Supplement

REQUIRED CONTROLS

- iComfort® S30 Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

See page 15

Cabinet

- Snow Guard

Controls

- Freezestat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

LIMITED WARRANTY

Compressor - ten years

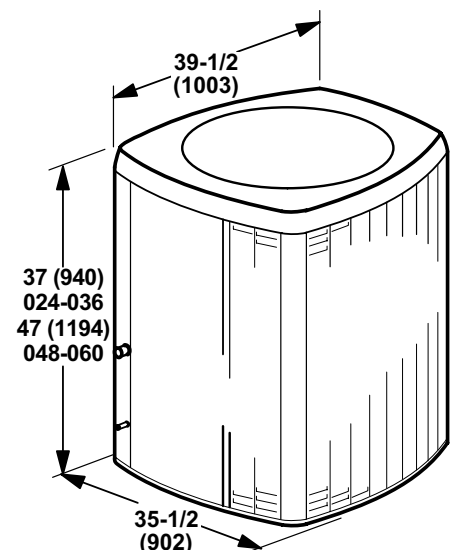
All covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

NOTE - The Dave Lennox Signature Collection XP25 Heat Pump can only be used with the iComfort® S30 Thermostat.

NOTE - The XP25 can only be matched with iComfort® Communicating variable-speed indoor furnaces and air handlers.

DIMENSIONS



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SPECIFICATIONS

General Data		Model No.	XP25-024	XP25-036	XP25-048	XP25-060
Nominal Tonnage			2	3	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)	Min.		58	58	64	64
	Max.		68	73	74	74
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8
	Vapor line (o.d.) - in.		7/8	7/8	7/8	1-1/8
Refrigerant	² R-410A charge furnished		11 lbs. 5 oz.	11 lbs. 8 oz.	13 lbs. 14 oz.	13 lbs. 0 oz.
Outdoor Fan	Diameter - in.		26	26	26	26
	No. of blades		3	3	3	3
	Motor hp (W)		1/3	1/3	1/3	1/3
Shipping Data - lbs. - 1 pkg.			277	277	341	335

ELECTRICAL DATA

Line voltage data - 60hz - 1 ph		208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		25	30	50	50
⁴ Minimum circuit ampacity		15.7	20.3	33.7	34.9
Compressor	Rated load amps	10.3	14.0	24.7	25.7
Outdoor Coil Fan Motor	Full load amps	2.8	2.8	2.8	2.8

REQUIRED COMPONENTS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	12U67	12U67	12U67
⁵ Discharge Temperature Sensor	88K38	88K38	88K38	88K38

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.² 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.³ HACR type breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.⁵ Optional for service diagnostics.

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PRODUCT CATALOG

HEAT PUMP OUTDOOR UNITS XP21

DAVE LENNOX SIGNATURE® COLLECTION

R-410A - Two-Stage Scroll Compressor - SilentComfort™ Technology
SEER - Up to 19.20
2 to 5 Tons

Page 3

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Two-Stage scroll compressor with crankcase heater.

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

Super-quiet outdoor fan with SilentComfort™ Technology

Variable-speed outdoor fan motor and specially designed fan blades reduce operating sound levels.

PVC coated, steel fan guard.

Factory installed, hi-capacity liquid line drier

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves

Outdoor unit expansion valve

Four-way interchange reversing valve.

iComfort® Communicating Control

iComfort® Control communicates information about the furnace to the optional iComfort® thermostat.  So simple. So smart. So comfortable.

Intellifrost™ Adaptive Defrost Control

High Pressure Switch

Low Pressure Switch

Discharge Temperature Switch

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.

Compressor and control box located in a separate compartment, insulated with thick fiberglass insulation.



LIMITED WARRANTY

Compressor - ten years

All covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A
XP21-024 XP21-036	37 (940)
XP21-048 XP21-060	47 (1194)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 15

Cabinet

- Snow Guard

Compressor

- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Out

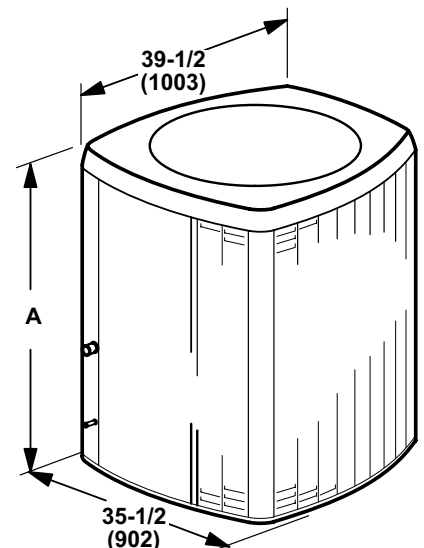
Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Mild Weather Kit
- Monitor Kit (Service Light)
- Outdoor Thermostat Kit

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	XP21-024	XP21-036	XP21-048	XP21-060
	Nominal Tonnage	2	3	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)		67	72	73	73
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
	Vapor line (o.d.) - in.	7/8	7/8	7/8	1-1/8
Refrigerant	² R-410A charge furnished	10 lbs. 10 oz.	9 lbs. 12 oz.	12 lbs. 10 oz.	12 lbs. 7 oz.
Outdoor Fan	Diameter - in.	26	26	26	26
	No. of blades	5	5	5	5
	Motor hp (W)	1/3	1/3	1/3	1/3
Shipping Data - lbs. 1 pkg.		297	303	346	381

ELECTRICAL DATA

Line voltage data - 60hz - 1 ph		208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		25	35	45	60
⁴ Minimum circuit ampacity		16.6	21.1	28.5	38
Compressor	Rated load amps	11.7	15.3	21.2	28.8
Outdoor Coil Fan Motor	Full load amps	2.0	2.0	2.0	2.0

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



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PRODUCT CATALOG

HEAT PUMP OUTDOOR UNITS

SL18XP1

DAVE LENNOX SIGNATURE® COLLECTION

R-410A - Scroll Compressor - SilentComfort™ Technology

SEER - Up to 18.50

2 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor with crankcase heater and sound cover.

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

Lennox Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins.

Super-quiet outdoor fan with SilentComfort™ Technology

Variable-speed outdoor fan motor and specially designed fan blades reduce operating sound levels.

PVC coated, steel fan guard.

Factory installed, hi-capacity liquid line drier

Fully serviceable brass service valves

Outdoor unit expansion valve

Four-way interchange reversing valve.

iComfort® Communicating Control

iComfort® Control communicates information about the furnace to the optional iComfort® thermostat.  So simple. So smart. So comfortable.

Intellifrost™ Adaptive Defrost Control

High Pressure Switch

Low Pressure Switch

Discharge Temperature Switch

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.



LIMITED WARRANTY

Compressor - ten years

All covered components - ten years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A
SL18XP1-024 SL18XP1-030	37 (940)
SL18XP1-036 SL18XP1-042	41 (1041)
SL18XP1-048 SL18XP1-060	47 (1194)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 15

Cabinet

- Snow Guard

Compressor

- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Out

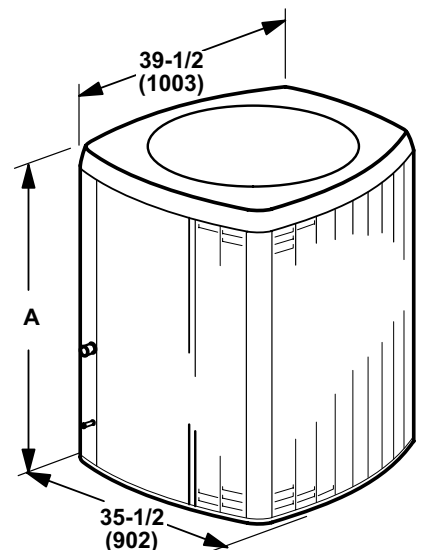
Controls

- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Mild Weather Kit
- Monitor Kit (Service Light)
- Outdoor Thermostat Kit

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data		Model No.	SL18XP1-024	SL18XP1-030	SL18XP1-036	SL18XP1-042	SL18XP1-048	SL18XP1-060
Nominal Tonnage			2	2.5	3	3.5	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J18	12J19	12J20	12J20	12J20
¹ Sound Rating Number (dB)			67	69	70	70	70	73
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8	3/8	3/8
	Vapor (Suction) line (o.d.) - in.		3/4	3/4	7/8	7/8	7/8	1-1/8
Refrigerant ² R-410A charge furnished			8 lbs. 6 oz.	8 lbs. 10 oz.	9 lbs. 14 oz.	9 lbs. 11 oz.	11 lbs. 0 oz.	10 lbs. 5 oz.
Outdoor Fan	Diameter - in.		26	26	26	26	26	26
	No. of blades		3	3	3	3	3	3
	Motor hp		1/3	1/3	1/3	1/3	1/3	1/3
	Cfm		2600	2800	3650	3650	4000	4300
	Rpm		730	800	800	800	800	875
	Watts		65	85	160	160	160	200
Shipping Data - lbs. 1 pkg.			253	257	271	294	319	321

ELECTRICAL DATA

Line voltage data - 60hz - 1 ph		208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
² Maximum overcurrent protection (amps)		25	30	35	40	45	60
³ Minimum circuit ampacity		20.0	20.0	22.0	25.2	26.8	32.4
Compressor	Rated load amps	10.9	13.5	15.4	17.9	19.2	23.7
	Locked rotor amps	59.3	72.5	83.9	112.0	117.0	152.5
	Power factor	0.98	0.98	0.98	0.97	0.97	0.98
Outdoor Fan Motor	Full load amps	2.8	2.8	2.8	2.8	2.8	2.8

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.³ HACR type breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

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HEAT PUMP OUTDOOR UNITS XP20 ELITE® SERIES

PRODUCT CATALOG

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 20.00
2 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Variable capacity scroll compressor with crankcase heater.

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

Variable-Speed Outdoor Coil Fan Motor With Integrated Control is programmed for variable capacity operation. Fan speed is directly controlled by the iComfort® communications between the outdoor unit iComfort® control and the iComfort® Thermostat.

PVC coated, steel fan guard.

Factory installed, hi-capacity liquid line drier

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves

Outdoor unit expansion valve

Four-way interchange reversing valve.

iComfort® Communicating Control

iComfort® Control communicates information about the furnace to the optional iComfort® thermostat (required).



High Pressure Switch

Low Pressure Switch

Discharge Temperature Switch

Defrost control with integrated anti-short cycle.

Precise Comfort™ Technology

The Variable Capacity Compressor and DC Inverter Control is an integrated system that operates together to reduce overall energy usage when compared to conventional heat pumps.

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel

Cabinet with powder paint finish



iComfort® S30 Thermostat required. Not furnished

NOTE - The XP20 Heat Pump can only be used with the iComfort® S30 Thermostat.

NOTE - The XP20 can only be matched with iComfort® Communicating variable-speed indoor furnaces and air handlers.

LIMITED WARRANTY

Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
XP20-024	39 (991)	35-1/2 (902)	39-1/2 (1003)
XP20-036	39 (991)	35-1/2 (902)	39-1/2 (1003)
XP20-048	45 (1143)	35-1/2 (902)	39-1/2 (1003)
XP20-060	45 (1143)	35-1/2 (902)	39-1/2 (1003)

AHRI RATINGS

See AHRI Ratings Supplement

REQUIRED CONTROLS

- iComfort® S30 Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

See page 15

Cabinet

- Snow Guard

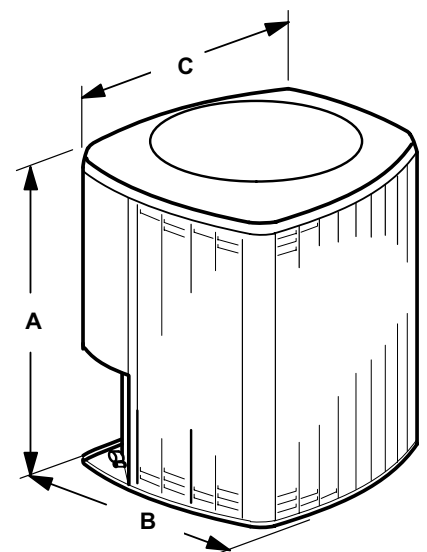
Controls

- Freezestat

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



Not to be used with equipment not listed in this catalog. 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.

SPECIFICATIONS

General Data		Model No.	XP20-024	XP20-036	XP20-048	XP20-060
Nominal Tonnage			2	3	4	5
Indoor Unit Expansion Valve (TXV) (If needed)			12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)	Min.		65	67	68	69
	Max.		72	75	75	75
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8	3/8
	Vapor line (o.d.) - in.		3/4	7/8	7/8	1-1/8
Refrigerant	² R-410A charge furnished		7 lbs. 9 oz.	10 lbs. 11 oz.	12 lbs. 11 oz.	13 lbs. 15 oz.
Outdoor Fan	Diameter - in.		26	26	26	26
	No. of blades		3	3	3	3
	Motor hp (W)		1/3	1/3	1/3	1/3
Shipping Data - lbs. - 1 pkg.			247	280	326	330

ELECTRICAL DATA

Line voltage data - 60hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
³ Maximum overcurrent protection (amps)		30	35	50	60
⁴ Minimum circuit ampacity		19.1	20.8	29.3	34.9
Compressor	Rated load amps	13.0	14.4	21.2	25.7
Outdoor Coil Fan Motor - Full load amps		2.8	2.8	2.8	2.8

REQUIRED COMPONENTS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	•	•	•	•
iComfort Wi-Fi® Thermostat	10F81	•	•	•	•
⁴ Discharge Temperature Sensor	88K38	•	•	•	•

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.

² 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.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



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HEAT PUMP OUTDOOR UNITS

XP16

ELITE® SERIES

PRODUCT CATALOG

R-410A - Two-Stage Scroll Compressor
SEER - Up to 17.00
2 to 5 Tons

Page 9

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Two-Stage scroll compressor with crankcase heater

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

PVC coated, steel fan guard.

Factory installed, hi-capacity liquid line drier

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves

Outdoor unit expansion valve

Four-way interchange reversing valve.

Controls

High Pressure Switch

Low Pressure Switch

Discharge Temperature Switch

Defrost control with integrated anti-short cycle.

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.



LIMITED WARRANTY

Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
XP16-024	35 (889)	27 (729)	28 (711)
XP16-036	35 (889)	35-1/2 (902)	39-1/2 (1003)
XP16-048	35 (889)	35-1/2 (902)	39-1/2 (1003)
XP16-060	45 (1143)	35-1/2 (902)	39-1/2 (1003)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 15

Cabinet

- Snow Guard

Compressor

- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Out

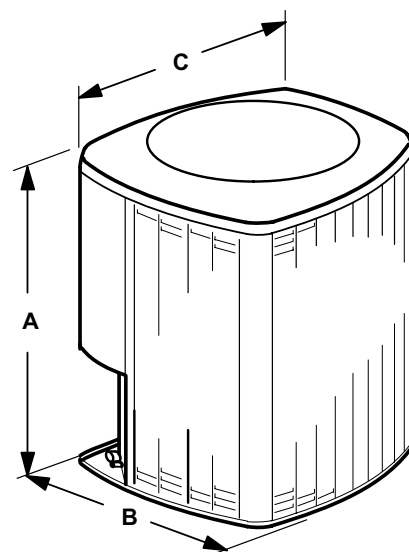
Controls

- Freezestat
- Low Ambient Kit
- Indoor Blower Off Delay Relay
- Indoor Blower Speed Relay Kit
- Mild Weather Kit
- Monitor Kit (Service Light)
- Outdoor Thermostat Kit
- ComfortSense® 7500 Thermostat
- Thermostat

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	XP16-024	XP16-036	XP16-048	XP16-060
	Nominal Tonnage	2	3	4	5
Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J19	12J20	12J20
¹ Sound Rating Number (dB)		74	76	76	78
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
	Vapor line (o.d.) - in.	3/4	7/8	7/8	1-1/8
Refrigerant	¹ R-410A charge furnished	8 lbs. 11 oz.	10 lbs. 6 oz.	10 lbs. 9 oz.	11 lbs. 8 oz.
Outdoor Fan	Diameter - in.	18	22	26	26
	No. of blades	3	4	3	3
	Motor hp	1/10	1/4	1/3	1/3
Shipping Data	lbs. - 1 package	222	273	294	353

ELECTRICAL DATA

Line voltage data - 60hz - 1 ph		⁵ 208/230V	⁵ 208/230V	⁵ 208/230V	⁵ 208/230V
³ Maximum overcurrent protection (amps)		25	35	45	60
⁴ Minimum circuit ampacity		15.3	20.8	28.3	36.8
Compressor Rated load amps		11.70	15.30	21.20	27.10
Outdoor Coil Fan Motor Full load amps		0.7	1.7	1.8	2.8

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁵ Hard start kit is required in applications where the supply voltage is less than 230V.



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HEAT PUMP OUTDOOR UNITS

XP14

ELITE® SERIES

R-410A

SEER - Up to 16.50

1.5 to 5 Tons

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February 2018

Supersedes January 2018

PRODUCT CATALOG

FEATURES

Refrigerant System

Scroll compressor with sound cover
Crankcase Heater (-036-042-048-060)

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

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves.

Factory installed, hi-capacity liquid line drier

Outdoor unit expansion valve

Four-Way interchange reversing valve

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

PVC coated, steel fan guard.

Controls

High Pressure Switch.

Low Pressure Switch.

Defrost Control with integrated anti-short cycle.

Cabinet

SmartHinge™ Louvered Coil Protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.

Corner patch plate allows access to compressor.



LIMITED WARRANTY

Compressor - ten years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B	C
XP14-018	39 (991)	30-1/2 (775)	35 (889)
XP14-024	39 (991)	30-1/2 (775)	35 (889)
XP14-030	39 (991)	30-1/2 (775)	35 (889)
XP14-036	35 (889)	30-1/2 (775)	35 (889)
XP14-042	39 (991)	35-1/2 (902)	39-1/2 (1003)
XP14-048	39 (991)	35-1/2 (902)	39-1/2 (1003)
XP14-060	45 (1143)	35-1/2 (902)	39-1/2 (1003)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 15

Compressor

- Compressor Crankcase Heater (-018-024-030)
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off

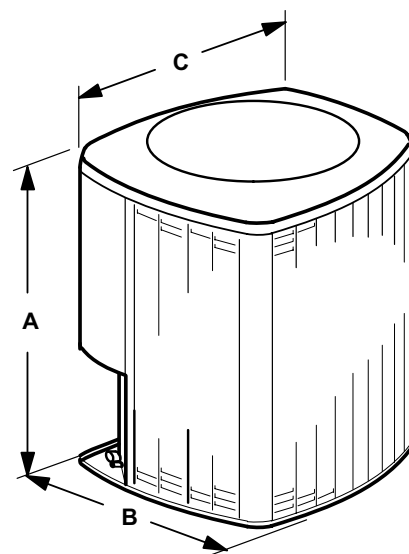
Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Mild Weather Kit
- Outdoor Thermostat Kit
- Thermostat

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	XP14-018	XP14-024	XP14-030	XP14-036	XP14-042	XP14-048	XP14-060
	Nominal Tonnage	1.5	2	2.5	3	3.5	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	12J18	12J18	12J18	12J19	12J20	12J20	12J20
	¹ Sound Rating Number (dB)	71	71	71	71	71	73	73
Connections (sweat)	Liquid line o.d. - in.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Vapor line o.d. - in.	3/4	3/4	3/4	7/8	7/8	7/8	1-1/8
	¹ Refrigerant R-410A charge furnished	5 lbs. 11 oz.	5 lbs. 14 oz.	5 lbs. 10 oz.	9 lbs. 6 oz.	11 lbs. 14 oz.	10 lbs. 7 oz.	12 lbs. 5 oz.
Outdoor Fan	Diameter - in.	22	22	22	22	26	26	26
	No. of Blades	3	3	3	3	4	4	4
	Motor hp	1/6	1/6	1/6	1/6	1/3	1/3	1/3
Shipping Data	lbs. - 1 package	213	213	213	236	310	312	339

ELECTRICAL DATA

	Line voltage data - 60 hz - 1ph	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
	² Maximum overcurrent protection (amps)	20	30	30	30	40	50	50
	³ Minimum circuit ampacity	12.2	17.9	17.4	18.7	24.2	29.0	29.4
	Compressor Rated Load Amps	9.0	13.5	13.1	14.08	17.92	21.76	22.10
	Outdoor Fan Motor Full Load Amps	1.0	1.1	1.1	1.1	1.8	1.8	1.8

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.

² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.

³ HACR type breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.



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HEAT PUMP OUTDOOR UNITS

14HPX

MERIT® SERIES

PRODUCT CATALOG

R-410A

SEER - Up to 16.00

1.5 to 5 Tons

Page 13

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Scroll Compressor

Compressor crankcase heater (-036-042-48-060)

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

Copper tube construction with enhanced ripple-edged aluminum fins.

Fully serviceable brass service valves

Factory installed, hi-capacity liquid line drier

Totally enclosed, direct drive outdoor fan motor with sleeve bearings.

Louvered steel top fan guard.

Outdoor unit expansion valve

Four-way interchange reversing valve.

Controls

Defrost control with integrated anti-short cycle.

High Pressure Switch

Cabinet

Steel louvered panels provide complete coil protection.

PermaGuard™ zinc-coated base.

Heavy-gauge galvanized steel cabinet with powder paint finish.

Corner patch plate allows access to compressor.



LIMITED WARRANTY

Compressor - five years

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A	B
14HPX-018	37-1/4 (946)	28-1/4 (718)
14HPX-024 14HPX-030	37-1/4 (946)	28-1/4 (718)
14HPX-036	33-1/4 (845)	28-1/4 (718)
14HPX-042 14HPX-048	37-1/4 (946)	32-1/4 (819)
14HPX-060	43-1/4 (1099)	32-1/4 (819)

AHRI RATINGS

See AHRI Ratings Supplement

ACCESSORIES

See page 16

Cabinet

- Mounting Base
- Unit Stand-off Kit

Compressor

- Compressor Crankcase Heater (-018-024-030)
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Sound Cover

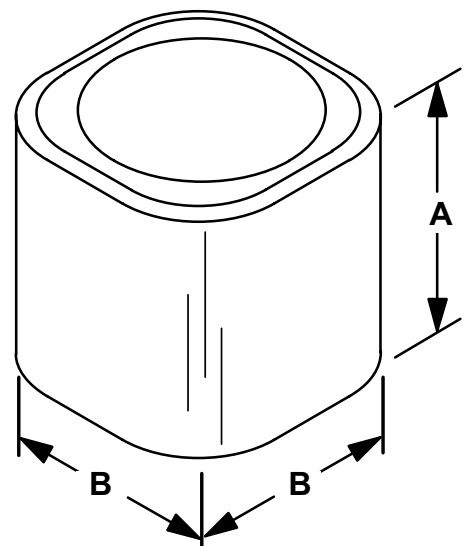
Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch
- Low Ambient Kit / Mild Weather Kit
- Monitor Kit (Service Light)
- Outdoor Thermostat Kit
- Thermostat

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	14HPX-018	14HPX-024	14HPX-030
	Nominal Tonnage	1.5	2	2.5
Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J18	12J18
¹ Sound Rating Number (dB)		76	76	76
Connections (sweat)	Liquid line o.d. - in.	3/8	3/8	3/8
	Vapor line o.d. - in.	3/4	3/4	3/4
² Refrigerant	R-410A charge furnished	5 lbs. 11 oz.	5 lbs. 14 oz.	5 lbs. 10 oz.
Outdoor Fan	Diameter - in.	22	22	22
	No. of Blades	3	3	3
	Motor hp	1/6	1/6	1/6
Shipping Data	lbs. - 1 package	177	177	177

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		20	30	25
⁴ Minimum circuit ampacity		12.2	17.9	17.1
Compressor Rated Load Amps		8.96	13.50	12.80
Outdoor Fan Motor Full Load Amps		1.0	1.1	1.1

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.³ HACR type breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**SPECIFICATIONS**

General Data	Model No.	14HPX-036	14HPX-042	14HPX-048	14HPX-060
	Nominal Tonnage	3	3.5	4	5
Indoor Unit Expansion Valve (TXV) (If needed)		12J19	12J20	12J20	12J20
¹ Sound Rating Number (dB)		79	79	80	80
Connections (sweat)	Liquid line o.d. - in.	3/8	3/8	3/8	3/8
	Vapor line o.d. - in.	7/8	7/8	7/8	7/8
² Refrigerant	R-410A charge furnished	9 lbs. 6 oz.	11 lbs. 14 oz.	10 lbs. 7 oz.	12 lbs. 11 oz.
Outdoor Fan	Diameter - in.	22	22	22	22
	No. of Blades	3	4	4	4
	Motor hp	1/6	1/3	1/3	1/3
Shipping Data	lbs. - 1 package	202	272	273	295

ELECTRICAL DATA

Line voltage data - 60 hz - 1ph		208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		30	40	50	50
⁴ Minimum circuit ampacity		18.7	24.2	29.0	29.4
Compressor Rated Load Amps		14.10	17.92	21.76	22.1
Outdoor Fan Motor Full Load Amps		1.1	1.8	1.8	1.8

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

¹ Sound Rating Number in accordance with test conditions included in AHRI Standard 270.² Refrigerant charge sufficient for 15 ft. length of refrigerant lines.³ HACR type breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

Intertek



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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Model No.			XP20 XP25				XP21				SL18XP1					XP16				XP14						
			-024	-036	-048	-060	-024	-036	-048	-060	-024	-030	-036	-042	-048	-060	-024	-036	-048	-060	-018	-024	-030	-036	-042	-048
iComfort® S30 Thermostat			12U67	•	•	•	•	•	•	•	•	•	•	•	•	•										
1 Remote Outdoor Air Sensor			X2658	•	•	•	•	•	•	•	•	•	•	•	•	•										
2 Discharge Air Temperature Sensor			88K38	•	•	•	•	•	•	•	•	•	•	•	•	•										
ComfortSense® 7500 Thermostat			13H14					•	•	•	•	•	•	•	•	•	•	•	•	•						
Outdoor Temperature Sensor			X2658					•	•	•	•	•	•	•	•	•	•	•	•	•						
Compressor Crankcase Heater			93M04																		•	•	•			
			Factory					F	F	F	F						F	F	F	F				F	F	F
Compressor Hard Start Kit			63W22					•									•									
			63W23						•									•								
			63W24																•							
Copeland			10J42																•		•	•	•	•	•	•
LG			88M91									•	•	•	•	•	•									•
Compressor Low Ambient Cut-Off			45F08														•	•	•	•	•	•	•	•	•	•
3 Freezestat			93G35	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3/8 in. tubing																										
5/8 in. tubing			50A93	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
High Pressure Switch Kit			Factory					F	F	F	F						F	F	F	F						
Indoor Blower Off Delay Relay			58M81					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Indoor Blower Relay			31960					•	•	•	•						•	•	•	•						
3 Low Ambient Kit			54M89														•	•	•		•	•	•	•	•	•
			68M04					•	•	•	•	•	•	•	•	•			•							
Loss of Charge Kit			Factory					F	F	F	F						F	F	F	F	F	F	F	F	F	F
Mild Weather Kit			33M07					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Monitor Kit - Service Light			76F53					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Outdoor Thermostat			56A87					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kit			31461					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Refrigerant												•	•				•				•	•	•			
Line Sets																										

¹ Remote Outdoor Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for service diagnostics.

³ Crankcase Heater (if not furnished) and Freezestat are recommended with Low Ambient Kit.

⁴ **X8782** is used with XP25.

⁵ **Y1033** is used with XP20

F = Factory Installed.



HEAT PUMP OUTDOOR UNITS

OPTIONAL ACCESSORIES

PRODUCT CATALOG

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February 2018
Supersedes January 2018

OPTIONAL ACCESSORIES - ORDER SEPARATELY									
Model No.			14HPX						
			-018	-024	-030	-036	-042	-048	-060
¹ Compressor Crankcase Heater		93M04	•	•	•				
		Factory				F	F	F	F
Compressor Hard Start Kit	Copeland	10J42	•	•	•	•	•	•	
	LG	88M91							•
Compressor Low Ambient Cut-Off		45F08	•	•	•	•	•	•	•
Compressor Sound Cover		27W55	•	•	•	•			
		27W56					•	•	•
¹ Freezestat	3/8 in. tubing	93G35	•	•	•	•	•	•	•
	5/8 in. tubing	50A93	•	•	•	•	•	•	•
Indoor Blower Off Delay Relay		58M81	•	•	•	•	•	•	•
¹ Low Ambient Kit		54M89	•	•	•	•	•	•	•
Loss of Charge Kit		84M23	•	•	•	•	•	•	•
Mild Weather Kit		33M07	•	•	•	•	•	•	•
Monitor Kit - Service Light		76F53	•	•	•	•	•	•	•
Mounting Base		69J06	•	•	•				
		69J07				•	•	•	•
Outdoor Thermostat Kit	Thermostat	56A87	•	•	•	•	•	•	•
	Mounting Box	31461	•	•	•	•	•	•	•
Refrigerant Line Sets	L15-41-20	L15-41-40	•	•	•				
	L15-41-30	L15-41-50							
		L15-65-30	L15-65-40 L15-65-50			•	•	•	•
Unit Stand-Off Kit		94J45	•	•	•	•	•	•	•

¹ Crankcase Heater (if not furnished) and Freezestat are recommended with Low Ambient Kit.



INDOOR COILS CX34 (CASED)

PRODUCT CATALOG

R-410A - Upflow - Cased
1.5 to 5 Tons

Page 1

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.
UV-resistant polymer drain pan with dual fpt drain connections.

Factory installed R-410A Check/Expansion Valve.

Cabinet

Pre-painted cabinet finish.

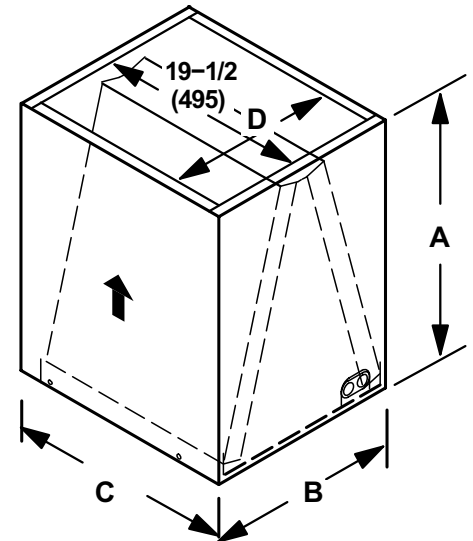
Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

All CX34 cased upflow indoor coils match furnaces with same letter designation in model number.



DIMENSIONS



LIMITED WARRANTY

Limited Warranty

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Cased Model No.	A		B		C		D		Inlet - W		Inlet - D	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CX34-18/24A-6F	16-1/2	419	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-18/24B-6F	16-1/2	419	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-18/24C-6F	16-1/2	419	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX34-19A-6F	16-1/2	419	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-25A-6F	18-1/2	470	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-25B-6F	18-1/2	470	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-30A-6F	20-1/2	521	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-30B-6F	20-1/2	521	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-30C-6F	20-1/2	521	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX34-31A-6F	22-1/2	572	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-31B-6F	22-1/2	572	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-36A-6F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-36B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-36C-6F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX34-38A-6F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX34-38B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-42B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-43B-6F	27-1/2	699	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-43C-6F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX34-44/48B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-44/48C-6F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX34-49C-6F	29-1/2	749	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
CX34-50/60C-6F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX34-60D-6F	25-1/2	648	24-1/2	622	21	533	23	584	23-3/8	594	20-7/16	519
CX34-62C-6F	31-1/2	800	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
CX34-62D-6F	29-1/2	749	24-1/2	622	21	533	23	584	23-3/8	594	20-7/16	519

NOTE: CX34-60D and CX34-62D coil are positioned with coil running left to right, all other coil sizes are positioned like drawing.

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SPECIFICATIONS		1.5 - 2 TON				
General Data	Model No.	CX34-18/24A-6F	CX34-18/24B-6F	CX34-18/24C-6F	CX34-19A-6F	CX34-25A-6F
	Nominal size - tons	1.5/2	1.5/2	1.5/2	1.5	2
	Factory Installed Expansion Valve	12J18	12J18	12J18	12J18	12J18
Line	Suction/Vapor o.d. - in. sweat	3/4	3/4	3/4	3/4	3/4
Connections	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		31	31	41	35	39

SPECIFICATIONS		2 - 2.5 TON					
General Data	Model No.	CX34-25B-6F	CX34-30A-6F	CX34-30B-6F	CX34-30C-6F	CX34-31A-6F	CX34-31B-6F
	Nominal size - tons	2	2.5	2.5	2.5	2.5	2.5
	Factory Installed Expansion Valve	12J18	12J18	12J18	12J18	12J18	12J18
Line	Suction/Vapor o.d. - in. sweat	3/4	3/4	3/4	3/4	3/4	3/4
Connections	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		41	37	40	48	47	49

SPECIFICATIONS		3 TON				
General Data	Model No.	CX34-36A-6F	CX34-36B-6F	CX34-36C-6F	CX34-38A-6F	CX34-38B-6F
	Nominal size - tons	3	3	3	3	3
	Factory Installed Expansion Valve	12J19	12J19	12J19	21J19	12J19
Line	Suction/Vapor o.d. - in. sweat	3/4	3/4	3/4	3/4	3/4
Connections	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		45	46	50	49	51

SPECIFICATIONS		3.5 - 4 TON				
General Data	Model No.	CX34-42B-6F	CX34-43B-6F	CX34-43C-6F	CX34-44/48B-6F	CX34-44/48C-6F
	Nominal size - tons	3.5	3.5	3.5	3.5/4	3.5/4
	Factory Installed Expansion Valve	12J20	12J20	12J20	12J20	12J20
Line	Suction/Vapor o.d. - in. sweat	7/8	7/8	7/8	7/8	7/8
Connections	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		47	60	63	52	55

SPECIFICATIONS		4 - 5 TON				
General Data	Model No.	CX34-49C-6F	CX34-50/60C-6F	CX34-60D-6F	CX34-62C-6F	CX34-62D-6F
	Nominal size - tons	4	4/5	5	5	5
	Factory Installed Expansion Valve	12J20	12J20	12J20	12J20	12J20
Line	Suction/Vapor o.d. - in. sweat	7/8	7/8	7/8	7/8	7/8
Connections	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		72	66	66	77	76



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INDOOR COILS CX35 (CASED)

PRODUCT CATALOG

R-410A - Upflow - Cased - Quantum™ Coil
1.5 to 5 Tons

Page 3

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Lennox Quantum™ Coil - Aluminum tubing, hairpins, distributor and header tubes.

Copper refrigerant sweat connections on both liquid and suction lines for easy brazing.

Ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

UV-resistant polymer drain pan with dual fpt drain connections.

Factory installed R-410A Check/Expansion Valve.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

All CX35 cased upflow indoor coils match furnaces with same letter designation in model number.

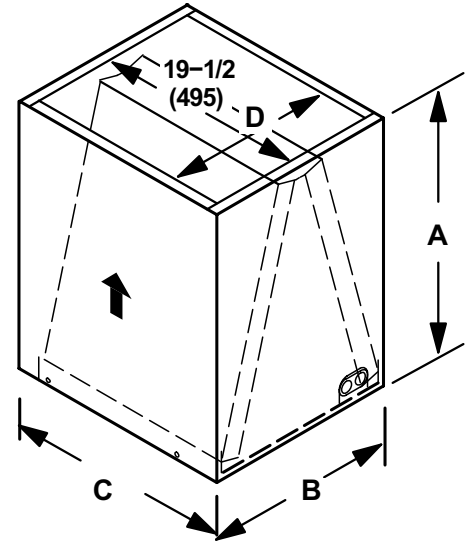


LIMITED WARRANTY

Limited Warranty

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS



Cased Model No.	A		B		C		D		Inlet - W		Inlet - D	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CX35-18/24A-6F	16-1/2	419	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX35-18/24B-6F	16-1/2	419	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX35-24A-6F	18-1/2	470	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX35-24B-6F	18-1/2	470	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX35-30A-6F	22-1/2	572	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX35-30B-6F	22-1/2	572	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX35-30/36A-6F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX35-30/36B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX35-30/36C-6F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX35-36A-6F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX35-36B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX35-48B-6F	27-1/2	699	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX35-48C-2F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX35-49C-2F	29-1/2	749	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
CX35-50/60C-6F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX35-60C-2F	31-1/2	800	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
CX35-60D-6F	29-1/2	749	24-1/2	622	21	533	23	584	23-3/8	594	20-7/16	519

NOTE- CX35-60D coil is positioned with coil running left to right inside the cabinet, all other coil sizes are positioned like drawing.

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SPECIFICATIONS**1.5 TO 2 TON**

General Data		Model No.	CX35-18/24A-6F	CX35-18/24B-6F	CX35-24A-6F	CX35-24B-6F
Nominal size - Tons			1.5 / 2	1.5 / 2	2	2
Factory Installed Expansion Valve			12J18	12J18	12J18	12J18
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.			30	34	38	43

SPECIFICATIONS**2.5 TO 3 TON**

General Data		Model No.	CX35-30A-6F	CX35-30B-6F	CX35-30/36A-6F	CX35-30/36B-6F
Nominal size - Tons			2.5	2.5	2.5 / 3	2.5 / 3
Factory Installed Expansion Valve			12J18	12J18	12J19	12J19
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.			45	50	41	45

SPECIFICATIONS**2.5 TO 4 TON**

General Data		Model No.	CX35-30/36C-6F	CX35-36A-6F	CX35-36B-6F	CX35-48B-6F	CX35-48C-6F
Nominal size - Tons			2.5 / 3	3	3	3.5 / 4	3.5 / 4
Factory Installed Expansion Valve			12J19	12J19	12J19	12J20	12J20
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.			48	46	50	55	60

SPECIFICATIONS**4 TO 5 TON**

General Data		Model No.	CX35-49C-6F	CX35-50/60C-6F	CX35-60C-6F	CX35-60D-6F
Nominal size - Tons			4	4 / 5	5	5
Factory Installed Expansion Valve			12J20	12J20	12J20	12J20
Line Connections in.	Suction / vapor o.d. - sweat		7/8	7/8	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.			70	60	73	72



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PRODUCT CATALOG

INDOOR COILS CX38 (CASED)

R-410A - Upflow - Cased
1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.
UV-resistant polymer drain pan with dual fpt drain connections.

Factory installed R-410A Check/Expansion Valve.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

All CX38 cased upflow indoor coils match furnaces with same letter designation in model number.

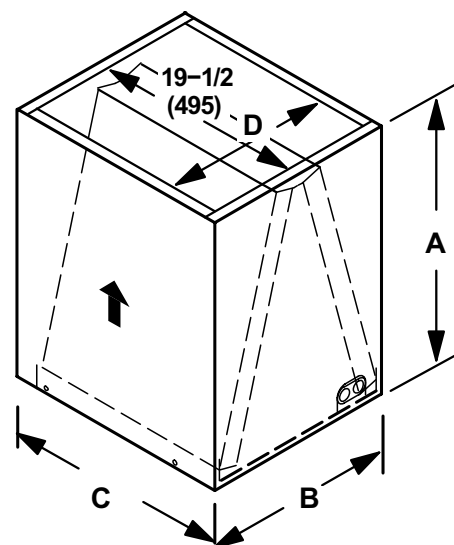


LIMITED WARRANTY

Limited Warranty

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS



Cased Model No.	A		B		C		D		Inlet - W		Inlet - D	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CX38-25A-6F	18-1/2	470	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX38-25B-6F	18-1/2	470	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX38-31A-6F	22-1/2	572	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX38-31B-6F	22-1/2	572	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX38-36A-6F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX38-36B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX38-36C-6F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX38-38A-6F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
CX38-38B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX38-42B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX38-43B-6F	27-1/2	699	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX34-43C-6F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX38-44/48B-6F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
CX38-44/48C-6F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX38-49C-6F	29-1/2	749	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
CX38-50/60C-6F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
CX38-60D-6F	25-1/2	648	24-1/2	622	21	533	23	584	23-3/8	594	20-7/16	519
CX38-62C-6F	31-1/2	800	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
CX38-62D-6F	29-1/2	749	24-1/2	622	21	533	23	584	23-3/8	594	20-7/16	519

NOTE- CX38-60D and CX38-62D coil are positioned with coil running left to right, all other coil sizes are positioned like drawing.

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SPECIFICATIONS**3 TON**

General Data	Model No.	CX38-25A-6F	CX38-25B-6F	CX38-31A-6F	CX38-31B-6F
Nominal size - tons		2	2	2.5	2.5
Factory Installed Expansion Valve		12J18	12J18	12J18	12J18
Line Suction/Vapor o.d. - in. sweat		3/4	3/4	3/4	3/4
Connections Liquid o.d. - in. sweat		3/8	3/8	3/8	3/8
Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		39	41	47	49

SPECIFICATIONS**3 TON**

General Data	Model No.	CX38-36A-6F	CX38-36B-6F	CX38-36C-6F	CX38-38A-6F	CX38-38B-6F
Nominal size - tons		3	3	3	3	3
Factory Installed Expansion Valve		12J19	12J19	12J19	21J19	12J19
Line Suction/Vapor o.d. - in. sweat		3/4	3/4	3/4	3/4	3/4
Connections Liquid o.d. - in. sweat		3/8	3/8	3/8	3/8	3/8
Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		45	46	50	49	51

SPECIFICATIONS**3.5 - 4 TON**

General Data	Model No.	CX38-42B-6F	CX38-43B-6F	CX38-43C-6F	CX38-44/48B-6F	CX38-44/48C-6F
Nominal size - tons		3.5	3.5	3.5	3.5/4	3.5/4
Factory Installed Expansion Valve		12J20	12J20	12J20	12J20	12J20
Line Suction/Vapor o.d. - in. sweat		7/8	7/8	7/8	7/8	7/8
Connections Liquid o.d. - in. sweat		3/8	3/8	3/8	3/8	3/8
Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		47	60	63	52	55

SPECIFICATIONS**4 - 5 TON**

General Data	Model No.	CX38-49C-6F	CX38-50/60C-6F	CX34-60D-6F	CX38-62C-6F	CX38-62D-6F
Nominal size - tons		4	4/5	5	5	5
Factory Installed Expansion Valve		12J20	12J20	12J20	12J20	12J20
Line Suction/Vapor o.d. - in. sweat		7/8	7/8	7/8	7/8	7/8
Connections Liquid o.d. - in. sweat		3/8	3/8	3/8	3/8	3/8
Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. - 1 package		72	66	66	77	76



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PRODUCT CATALOG

INDOOR COILS C37 (CASED)

Upflow - Cased
1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.
UV-resistant polymer drain pan with dual fpt drain connections.

Refrigerant Control

NOTE - Factory installed RFC orifice must be replaced with field installed check/expansion valve.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

All C37 cased upflow indoor coils match furnaces with same letter designation in model number.



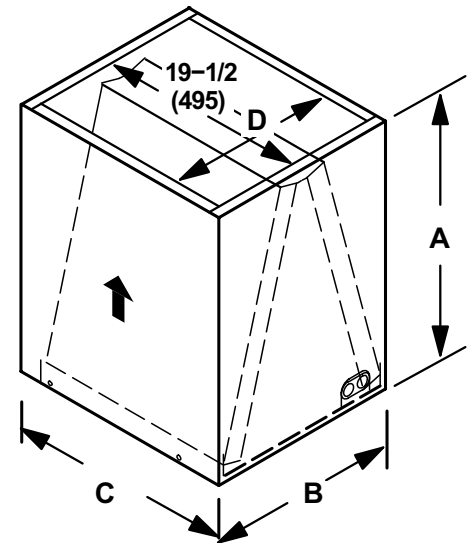
LIMITED WARRANTY

All covered components - five years
Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

ACCESSORIES

- Expansion Valve Kit (Required)

DIMENSIONS



Model No.	A		B		C		D		Inlet - W		Inlet - D	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C37-18A-2F	12-1/2	318	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-19A-2F	16-1/2	419	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-24A-2F	16-1/2	419	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-24B-2F	16-1/2	419	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-24C-2F	16-1/2	419	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-25A-2F	18-1/2	470	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-25B-2F	18-1/2	470	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-30A-2F	20-1/2	521	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-30B-2F	20-1/2	521	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-30C-2F	20-1/2	521	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-31A-2F	22-1/2	572	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-31B-2F	22-1/2	572	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-36A-2F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-36B-2F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-36C-2F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-38A-2F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C37-38B-2F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-42B-2F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-43B-2F	27-1/2	699	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-43C-2F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-44C-2F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-48B-2F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C37-48C-2F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-49C-2F	29-1/2	749	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
C37-50/60C-2F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C37-60D-2F	25-1/2	648	24-1/2	622	21	533	23	584	23-3/8	594	20-7/16	519
C37-62C-2F	31-1/2	800	21	533	22	559	19-1/2	495	19-7/8	505	20-7/16	519
C37-62D-2F	29-1/2	749	24-1/2	622	21	533	23	584	23-3/8	594	21-7/16	545

NOTE- C37-60D and C37-62D coil are positioned with coil running left to right, all other coil sizes are positioned like drawing.

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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SPECIFICATIONS		1.5 - 2 TON							
General Data		Model No.	C37-18A-2F	C37-19A-2F	C37-24A-2F	C37-24B-2F	C37-24C-2F	C37-25A-2F	C37-25B-2F
Nominal size - tons			1.5	1.5	2	2	2	2	2
Line Connections	Suction/Vapor o.d. - in. sweat		3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Liquid o.d. - in. sweat		3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. (1 package)			27	35	31	31	39	39	41

SPECIFICATIONS		2.5 - 3 TON							
General Data		Model No.	C37-30A-2F	C37-30B-2F	C37-30C-2F	C37-31A-2F	C37-31B-2F	C37-36A-2F	C37-36B-2F
Nominal size - tons			2.5	2.5	2.5	2.5	2.5	3	3
Line Connections	Suction/Vapor o.d. - in. sweat		3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Liquid o.d. - in. sweat		3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. (1 package)			37	40	46	47	49	45	46

SPECIFICATIONS		3 - 3.5 TON						
General Data	Model No.	C37-36C-2F	C37-38A-2F	C37-38B-2F	C37-42B-2F	C37-43B-2	C37-43C-2F	C37-44C-2F
	Nominal size - tons	3	3	3	3.5	3.5	3.5	3.5
Line Connections	Suction/Vapor o.d. - in. sweat	3/4	3/4	3/4	7/8	7/8	7/8	7/8
	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. (1 package)		50	49	51	47	60	63	55

SPECIFICATIONS		4 - 5 TON						
General Data	Model No.	C37-48B-2F	C37-48C-2F	C37-49C-2F	C37-50/60C-2F	C37-60D-2F	C37-62C-2F	C37-62D-2F
	Nominal size - tons	4	4	4	4/5	5	5	5
Line Connections	Suction/Vapor o.d. - in. sweat	7/8	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs. (1 package)		52	55	72	66	66	77	76



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INDOOR COILS C35 (CASED)

PRODUCT CATALOG

Upflow - Cased - Quantum™ Coil 1.5 to 5 Tons

Page 9

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Lennox Quantum™ Coil - Aluminum tubing, hairpins, distributor and header tubes.

Copper refrigerant sweat connections on both liquid and suction lines for easy brazing.

Ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

UV-resistant polymer drain pan with dual fpt drain connections.

All models applicable to Lennox RFCIV refrigerant metering system.

Optional expansion valve is available.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

All C35 cased upflow indoor coils match furnaces with same letter designation in model number.



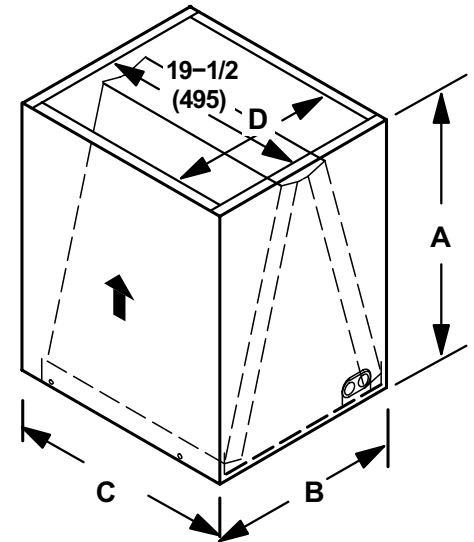
LIMITED WARRANTY

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

ACCESSORIES

- Expansion Valve Kits (required)

DIMENSIONS



Model No.	A		B		C		D		Inlet - W		Inlet - D	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C35-18/24A-2F	16-1/2	419	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C35-18/24B-2F	16-1/2	419	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C35-24A-2F	18-1/2	470	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C35-24B-2F	18-1/2	470	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C35-30A-2F	22-1/2	572	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C35-30B-2F	22-1/2	572	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C35-30/36A-2F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C35-30/36B-2F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C35-30/36C-2F	24-1/2	622	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C35-36A-2F	24-1/2	622	14-1/2	368	21	533	13	330	13-3/8	340	20-7/16	519
C35-36B-2F	24-1/2	622	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C35-48B-2F	27-1/2	699	17-1/2	445	21	533	16	406	16-3/8	416	20-7/16	519
C35-48C-2F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C35-49C-2F	29-1/2	749	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
C35-50/60C-2F	27-1/2	699	21	533	21	533	19-1/2	495	19-7/8	505	20-7/16	519
C35-60C-2F	31-1/2	800	21	533	22	559	19-1/2	495	19-7/8	505	21-7/16	545
C35-60D-2F	29-1/2	749	24-1/2	622	21	533	23	584	23	584	20-7/16	519

NOTE- C35-60D coil is positioned with coil running left to right, all other coil sizes are positioned like drawing.

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SPECIFICATIONS**1.5 TO 2 TON**

General Data		Model No.	C35-18/24A-2F	C35-18/24B-2F	C35-24A-2F	C35-24B-2F
		Nominal size - Tons	1.5 / 2	1.5 / 2	2	2
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.053	0.053	0.057	0.057
Shipping Data - lbs.			30	34	38	43

SPECIFICATIONS**2.5 TO 3 TON**

General Data		Model No.	C35-30A-2F	C35-30B-2F	C35-30/36A-2F	C35-30/36B-2F
		Nominal size - Tons	2.5	2.5	2.5 / 3	2.5 / 3
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.067	0.067	0.057	0.057
Shipping Data - lbs.			45	50	41	45

SPECIFICATIONS**2.5 TO 4 TON**

General Data		Model No.	C35-30/36C-2F	C35-36A-2F	C35-36B-2F	C35-48B-2F	C35-48C-2F
		Nominal size - Tons	2.5 / 3	3	3	3.5 / 4	3.5 / 4
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.057	0.070	0.070	0.071	0.071
Shipping Data - lbs.			48	46	50	55	60

SPECIFICATIONS**4 TO 5 TON**

General Data		Model No.	C35-49C-2F	C35-50/60C-2F	C35-60C-2F	C35-60D-2F
		Nominal size - Tons	4	4 / 5	5	5
Line Connections in.	Suction / vapor o.d. - sweat		7/8	7/8	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.076	0.070	0.077	0.077
Shipping Data - lbs.			70	60	73	72



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PRODUCT CATALOG

INDOOR COILS C35 (UNCASED)

Upflow - Uncased - Quantum™ Coil
1.5 to 5 Tons

Page 11

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Lennox Quantum™ Coil - Aluminum tubing, hairpins, distributor and header tubes.

Copper refrigerant sweat connections on both liquid and suction lines for easy brazing.

Ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

UV-resistant polymer drain pan with dual fpt drain connections.

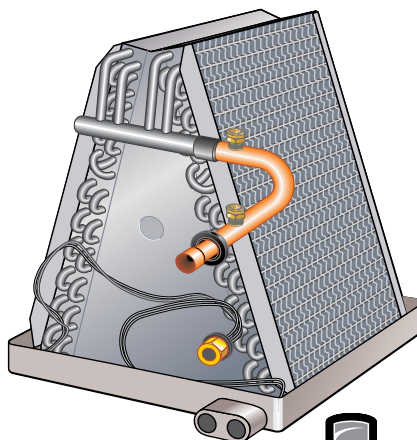
Refrigerant Control Choice

All models applicable to Lennox RFCIV refrigerant metering system when matched with specific air conditioners.

Optional expansion valve is available.

Coil Match-Up

Uncased coils match furnaces but require adaptor base or field fabricated transition.



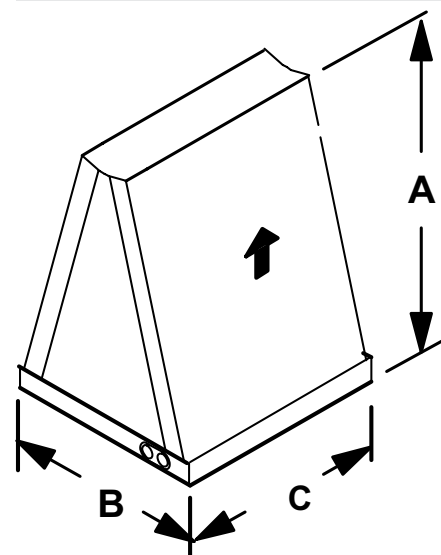
LIMITED WARRANTY

All covered components - five years
Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

ACCESSORIES

- Adjustable Coil / Adaptor Seal
- Expansion Valve Kits

DIMENSIONS



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
C35-18/24A	14-1/8	359	13	330	21-1/4	540
C35-18/24B	14-1/8	359	15-1/2	394	21-1/4	540
C35-24A	16-3/8	416	13	330	21-1/4	540
C35-24B	16-3/8	416	15-1/2	394	21-1/4	540
C35-30A	20-3/4	527	13	330	21-1/4	540
C35-30B	20-3/4	527	15-1/2	394	21-1/4	540
C35-30/36A	22-1/4	565	13	330	21-1/4	540
C35-30/36B	22-1/4	565	15-1/2	394	21-1/4	540
C35-30/36C	22-1/4	565	20	508	21-1/4	540
C35-36A	22-3/8	568	13	330	21-1/4	540
C35-36B	22-3/8	568	15-1/2	394	21-1/4	540
C35-48B	26-1/4	667	15-1/2	394	21-1/4	540
C35-48C	26-1/4	667	20	508	21-1/4	540
C35-49C	28-1/2	724	19-1/2	495	21-1/4	540
C35-50/60C	25-7/8	657	20	508	21-1/4	540
C35-60C	30-5/8	778	19-1/2	495	21-1/4	540
C35-60D	28	711	23	584	19-1/2	495

NOTE- C35-60D coil is positioned with coil running left to right, all other coil sizes are positioned like drawing.

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SPECIFICATIONS**1.5 TO 2 TON**

General Data		Model No.	C35-18/24A-2	C35-18/24B-2	C35-24A-2	C35-24B-2
		Nominal size - Tons	1.5 / 2	1.5 / 2	2	2
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.053	0.053	0.057	0.057
Shipping Data - lbs.			18	20	23	24

SPECIFICATIONS**2.5 TO 3 TON**

General Data		Model No.	C35-30A-2	C35-30B-2	C35-30/36A-2	C35-30/36B-2
		Nominal size - Tons	2.5	2.5	2.5 / 3	2.5 / 3
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.067	0.067	0.057	0.057
Shipping Data - lbs.			31	32	26	27

SPECIFICATIONS**2.5 TO 4 TON**

General Data		Model No.	C35-30/36C-2	C35-36A-2	C35-36B-2	C35-48B-2	C35-48C-2
		Nominal size - Tons	2.5 / 3	3	3	3.5 / 4	3.5 / 4
Line Connections in.	Suction / vapor o.d. - sweat		3/4	3/4	3/4	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.057	0.070	0.070	0.071	0.071
Shipping Data - lbs.		Uncased	29	31	33	43	44

SPECIFICATIONS**4 TO 5 TON**

General Data		Model No.	C35-49C-2	C35-50/60C-2	C35-60C-2	C35-60D-2
		Nominal size - Tons	4	4 / 5	5	5
Line Connections in.	Suction / vapor o.d. - sweat		7/8	7/8	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size			0.076	0.070	0.077	0.077
Shipping Data - lbs.		Uncased	53	40	58	48

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Adjustable Coil Adaptor/Seal (Ten Pack)

11L09



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INDOOR COILS CH33

PRODUCT CATALOG

Horizontal - Cased
1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction for large surface area.

Non-corrosive drain pan with dual fpt drain connections.

Refrigerant Control Choice

All models applicable to Lennox RFCIV refrigerant metering system when matched with specific air conditioners.

Optional expansion valves available.

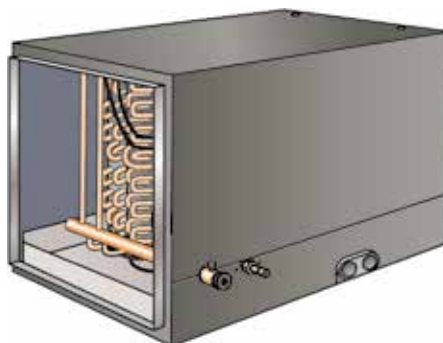
Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

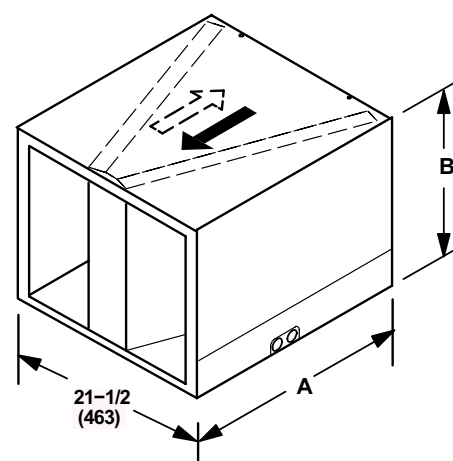
All CH33 cased horizontal indoor coils match furnaces with same letter designation in model number.



ACCESSORIES

- Expansion Valve Kits

DIMENSIONS



LIMITED WARRANTY

Limited Warranty

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A		B		Supply Opening				Return Opening			
					Height		Width		Height		Width	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CH33-18A-2F	21-1/2	546	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH33-19A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH33-24/30A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH33-25A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH33-25B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH33-31A-2F	31-1/2	800	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH33-31B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH33-36A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH33-36B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH33-36C-2F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH33-42B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH33-43B-2F	31-1/2	800	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH33-43C-2F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH33-44/48B-2F	31-1/2	800	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH33-48C-2F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH33-49C-2F	31-1/2	800	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH33-50/60C-2F	31-1/2	800	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH33-60D-2F	26-1/2	673	24-1/2	622	23	584	20	508	23-3/8	594	20-3/8	518
CH33-62D-2F	31-1/2	800	24-1/2	622	23	584	20	508	23-3/8	594	20-3/8	518

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SPECIFICATIONS		1.5 TO 2.5 TON						
General Data	Model No.	CH33 -18A-2F	CH33 -19A-2F	CH33 -24/30A-2F	CH33 -25A-2F	CH33 -25B-2F	CH33 -31A-2F	CH33 -31B-2F
	Nominal size - tons	1.5	1.5	2/2.5	2	2	2.5	2.5
Line Connections	Suction/Vapor o.d. - in. sweat	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.053	0.053	0.062	0.062	0.062	0.071	0.071
Horizontal Matching Furnace	Cabinet Designation	A	A	A	A	B	A	B
	Coil and Furnace Height	14-1/2	14-1/2	14-1/2	14-1/2	17-1/2	14-1/2	17-1/2
Shipping Data	lbs. - 1 package	20	37	42	38	38	40	45

SPECIFICATIONS		3 TO 3.5 TON					
General Data	Model No.	CH33 -36A-2F	CH33 -36B-2F	CH33 -36C-2F	CH33 -42B-2F	CH33 -43B-2F	CH33 -43C-2F
	Nominal size - tons	3	3	3	3.5	3.5	3.5
Line Connections	Suction/Vapor o.d. - in. sweat	3/4	3/4	3/4	7/8	7/8	7/8
	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.076	0.076	0.076	0.082	0.082	0.082
Horizontal Matching Furnace	Cabinet Designation	A	B	C	B	B	C
	Coil and Furnace Height	14-1/2	17-1/2	21	17-1/2	17-1/2	21
Shipping Data	lbs. - 1 package	54	44	48	60	76	82

SPECIFICATIONS		3.5 TO 5 TON					
General Data	Model No.	CH33 -44/48B-2F	CH33 -48C-2F	CH33 -49C-2F	CH33 -50/60C-2F	CH33 -60D-2F	CH33 -62D-2F
	Nominal size - tons	3.5/4	4	4	4/5	5	5
Line Connections	Suction/Vapor o.d. - in. sweat	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size		0.082	0.091	0.091	0.091	0.099	0.099
Horizontal Matching Furnace	Cabinet Designation	B	C	C	C	D	D
	Coil and Furnace Height	17-1/2	21	21	21	24-1/2	24-1/2
Shipping Data	lbs. - 1 package	72	76	86	86	87	97



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INDOOR COILS CH35

PRODUCT CATALOG

Horizontal - Cased - Coil
1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Aluminum tubing, hairpins, copper distributor and header tubes.

Copper refrigerant sweat connections on both liquid and suction lines for easy brazing.

Ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

UV-resistant polymer drain pan with dual fpt drain connections.

Optional expansion valve is required.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

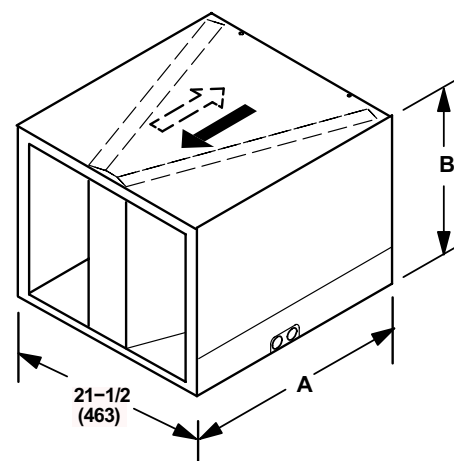
All CH35 cased horizontal indoor coils match furnaces with same letter designation in model number.



ACCESSORIES

- Expansion Valve Kits (required)

DIMENSIONS



LIMITED WARRANTY

Limited Warranty

All covered components - five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	A		B		Supply Opening				Return Opening			
					Height		Width		Height		Width	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CH35-18A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH35-24A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH35-24B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH35-30A-2F	31-1/2	800	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH35-30B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH35-36A-2F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CH35-36B-2F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH35-36C-2F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH35-42B-2F	31-1/2	800	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH35-42C-2F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH35-48B-2F	31-1/2	800	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CH35-48C-2F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH35-51C-2F	31-1/2	800	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CH35-60D-2F	31-1/2	800	24-1/2	622	23	584	20	508	23-3/8	594	20-3/8	518

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SPECIFICATIONS**1.5 TO 3 TON**

General Data		Model No.	CH35 -18A-2F	CH35 -24A-2F	CH35 -24B-2F	CH35 -30A-2F	CH35 -30B-2F	CH35 -36A-2F	CH35 -36B-2F
Nominal size - Tons			1.5	2	2	2.5	2.5	3	3
Line connections in.	Suction o.d. - sweat		3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.			43	45	49	55	53	47	48

SPECIFICATIONS**3 TO 5 TON**

General Data		Model No.	CH35 -36C-2F	CH35 -42B-2F	CH35 -42C-2F	CH35 -48B-2F	CH35 -48C-2F	CH35 -51C-2F	CH35 -60D-2F
Nominal size - Tons			3	3.5	3.5	3.5/4	3.5/4	4	5
Line connections in.	Suction o.d. - sweat		3/4	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat		3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.			55	66	60	60	59	69	78



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INDOOR COILS CR33

PRODUCT CATALOG

**Downflow - Cased
1.5 to 5 Tons**

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in a "V" configuration for large surface area.

Non-corrosive drain pan with dual fpt drain connections.

Refrigerant Control Choice

All models applicable to Lennox RFCIV refrigerant metering system when matched with specific air conditioners.

Optional expansion valves available.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

Coil Match-Up

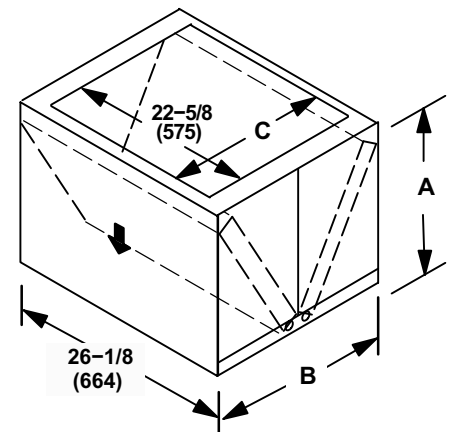
Coil inlet openings match corresponding Lennox furnace supply air openings with same letter designation in the model number. No adaptor required. See Coil/Furnace Match-Up Charts in this section for additional information.



ACCESSORIES

- Expansion Valve Kits

DIMENSIONS



LIMITED WARRANTY

All covered components - five years
Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

Model No.	A		B		C		Supply Air Opening			
							Width		Depth	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CR33-18A-F	14-1/8	359	17-1/2	445	13-1/2	343	15-1/2	394	23-3/16	589
CR33-24A-F	14-1/8	359	17-1/2	445	13-1/2	343	15-1/2	394	23-3/16	589
CR33-24B-F	14-1/8	359	17-1/2	445	16-1/2	419	15-1/2	394	23-3/16	589
CR33-30/36A-F	16-1/8	410	17-1/2	445	13-1/2	343	15-1/2	394	23-3/16	589
CR33-30/36B-F	16-1/8	410	17-1/2	445	16-1/2	419	15-1/2	394	23-3/16	589
CR33-30/36C-F	16-1/8	410	21	533	20	508	19	483	23-3/16	589
CR33-48B-F	20	508	21	533	16-1/2	419	19	483	23-3/16	589
CR33-48C-F	20	508	21	533	20	508	19	483	23-3/16	589
CR33-50/60C-F	23-5/8	600	24-1/2	622	20	508	22-1/2	572	23-3/16	589
CR33-60D-F	23-5/8	600	24-1/2	622	23-1/2	597	22-1/2	572	23-3/16	589

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SPECIFICATIONS		1.5 TO 3 TON				
General Data	Model No.	CR33-18A-F	CR33-24A-F	CR33-24B-F	CR33-30/36A-F	CR33-30/36B-F
	Nominal size - tons	1.5	2	3	2.5/3	2.5/3
Line connections in.	Suction / vapor o.d. - in. sweat	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. in. - sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping weight	lbs. - 1 package	44	44	49	58	57

SPECIFICATIONS		2 TO 5 TON				
General Data	Model No.	CR33-30/36C-F	CR33-48B-F	CR33-48C-F	CR33-50/60C-F	CR33- 60D-F
	Nominal size - tons	2.5/3	4	4	4/5	5
Line connections in.	Suction / vapor o.d. in. - sweat	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - in. sweat	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping weight	lbs. - 1 package	60	72	71	85	84

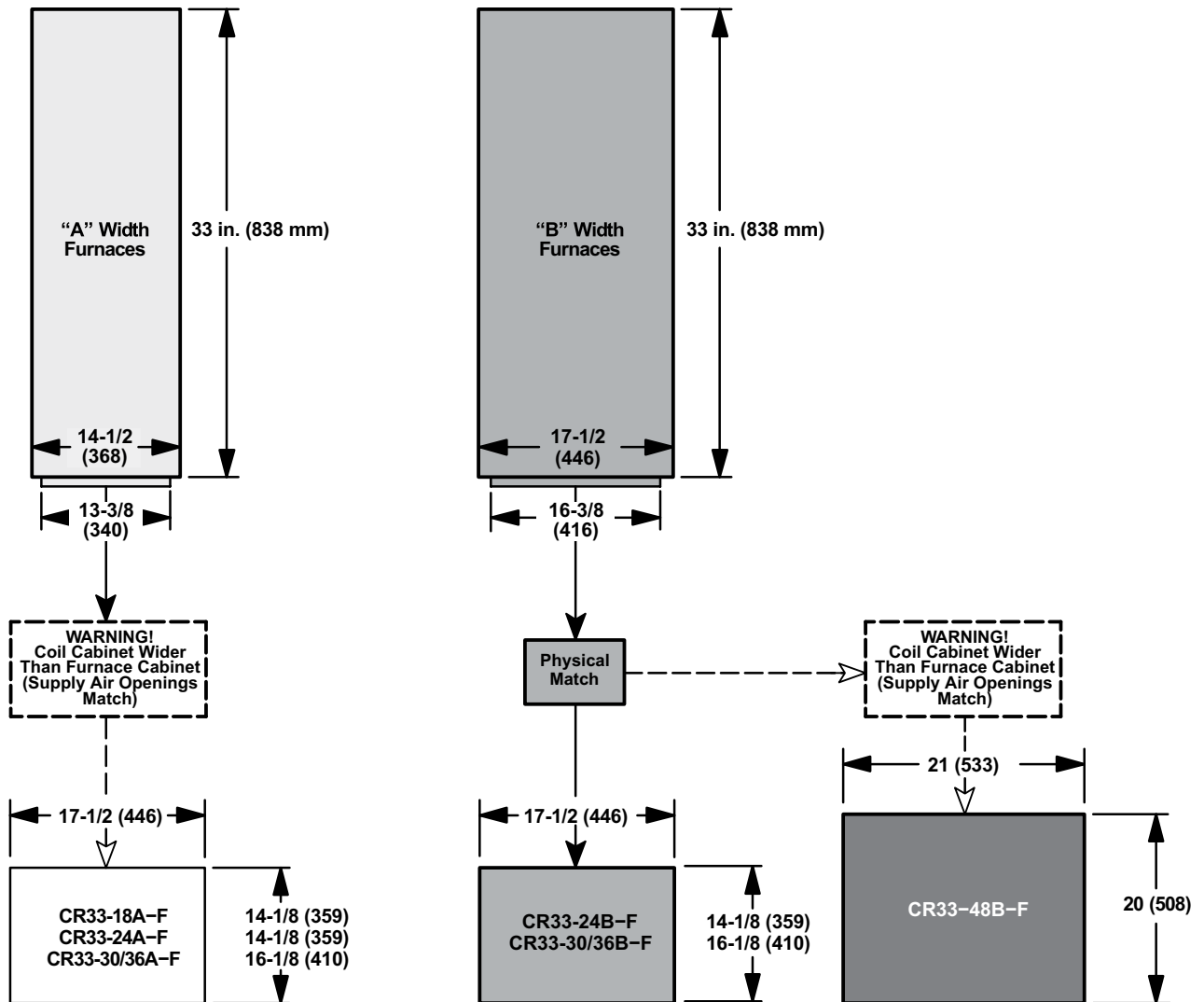


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DOWNFLOW GAS FURNACES - CR33 COILS

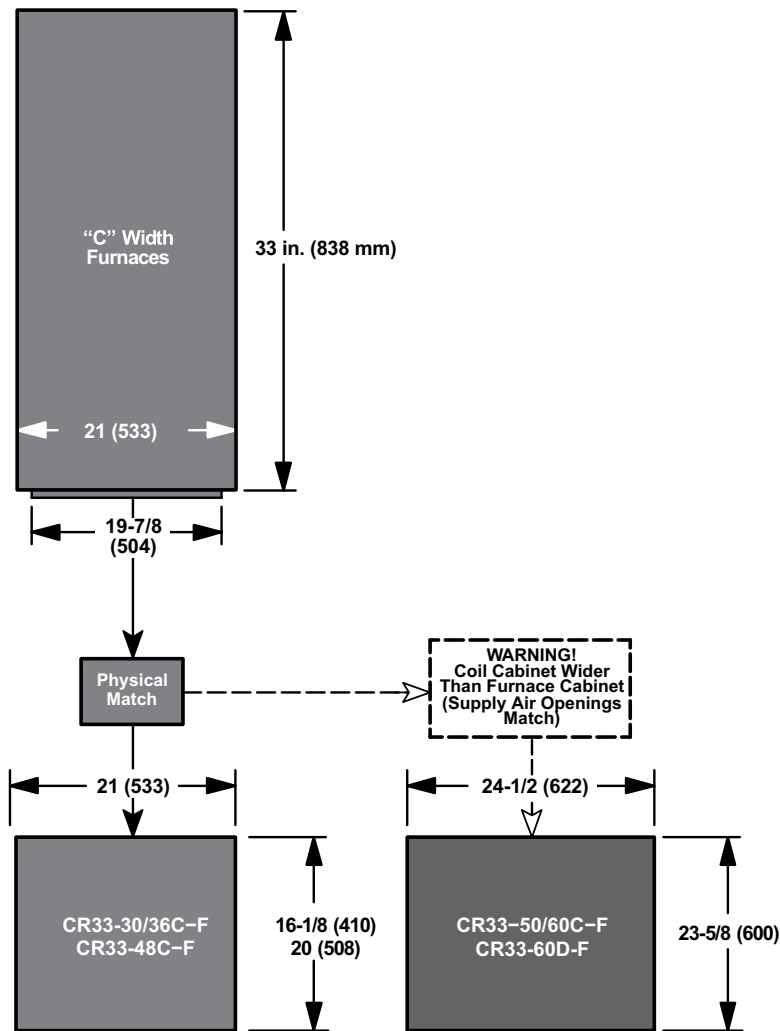
(Note – Coil opening will physically match the furnace supply air opening with the same letter designation in the model number.)





DOWNFLOW GAS FURNACES - CR33 COILS

(Note – Coil opening will physically match the furnace supply air opening with the same letter designation in the model number.





INDOOR COILS CH23

PRODUCT CATALOG

Horizontal - Cased
1.5 to 5 Tons

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Non-corrosive drain pan with dual fpt drain connections.

Refrigerant Control Choice

All models applicable to Lennox RFCIV refrigerant metering system.

Optional expansion valves available.

Cabinet

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.



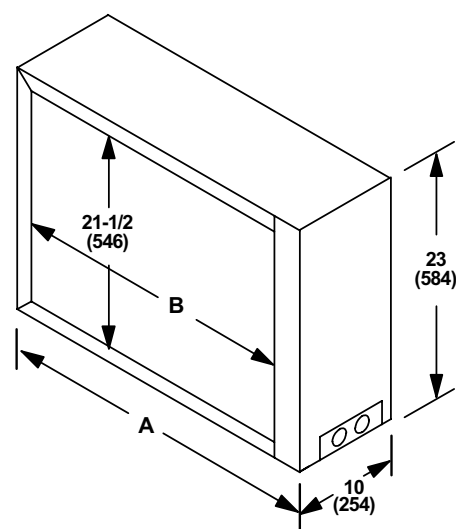
LIMITED WARRANTY

All covered components - five years
Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

ACCESSORIES

- Expansion Valve Kits

DIMENSIONS



NOTE - Opening same both ends.

Model No.	A		B	
	in.	mm	in.	mm
CH23-21	27	686	22-3/4	578
CH23-31	31	787	26-3/4	679
CH23-41	31	787	26-3/4	679
CH23-51	35	889	30-3/4	781
CH23-65	41	1041	36-3/4	933
CH23-68	47	1194	42-3/4	1086

SPECIFICATIONS		1.5 - 5 TON						
General Data		Model No.	CH23-21	CH23-31	CH23-41	CH23-51	CH23-65	CH23-68
Nominal size - tons			1.5	2.5	3	4	5	5+
Line Connections	Suction/Vapor o.d. - in. sweat		² 7/8	² 7/8	³ 7/8	7/8	7/8	7/8
	Liquid o.d. - in. sweat		¹ 3/8	¹ 3/8	3/8	3/8	3/8	3/8
	Condensate drain - in (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data		lbs. - 1 package	30	34	42	46	55	75

¹ 3/8 x 5/16 in. reducing coupling shipped with coil.

² 7/8 x 5/8 in. reducing bushing shipped with coil.

³ 7/8 x 3/4 in. reducing bushing shipped with coil.



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PRODUCT CATALOG

AIR HANDLERS CBX40UHV

DAVE LENNOX SIGNATURE® COLLECTION

Multi-Position - R-410A - Variable Speed Blower
2 to 5 Tons

Optional Electric Heat - 2.5 to 25 kW

Page 1

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

Dual, anti-microbial drain pans resist growth of mold and mildew.



Factory installed R-410A Check/Expansion Valve.

iComfort® Communicating Controls

iComfort® Control communicates information about the furnace to the optional iComfort® S30 thermostat.



24 Volt Transformer

Applicable to the iHarmony® Zoning System.

Variable-Speed Blower Motor

High efficiency, variable speed ECM (Electronically Commutated Motor) Maintains specified air volumes up to a maximum of 0.8 in. w.g. total external static.

IAQ Ready

Factory-installed MERV 16 Precision Pleat™ filter

Delta plate knock-out for optional Healthy Climate® UVC Germicidal Light

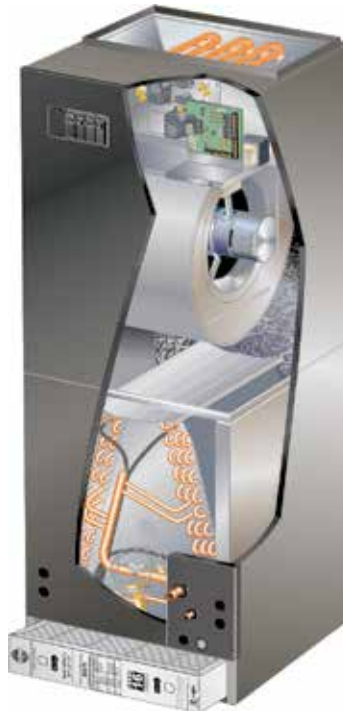
Cabinet

Multi-Position Capability with optional Downflow Conversion Kit. Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010

Tool-less access.



LIMITED WARRANTY

All covered components - Ten years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

		-024 -030 -036	-042 -048 -060
A		55-1/4 (1403)	62-3/4 (1594)
B		22-5/8 (575)	25-5/8 (651)
C		21-1/4 (540)	21-1/4 (540)
D		19-3/4 (502)	19-3/4 (502)
Return Air	Width	20 (508)	20 (508)
	Depth	21 (633)	24 (610)

ACCESSORIES

See page 18

Cabinet

- Downflow Additive Base
- Downflow Conversion Kit
- Healthy Climate® UVC Germicidal Light
- Horizontal Support Frame Kit (Upflow)
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit

Controls

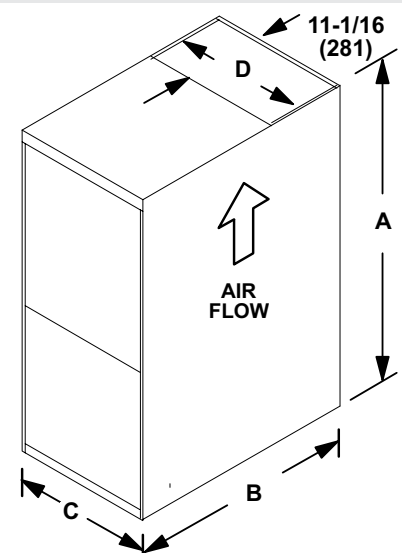
- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Electric Heat

See page 15

- Electric Heat - 2.5 to 25 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box
- Single-Point Power Source Control Box

DIMENSIONS



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SPECIFICATIONS

General Data		Model Number	CBX40UHV -024	CBX40UHV -030	CBX40UHV -036	CBX40UHV -042	CBX40UHV -048	CBX40UHV -060
		Nominal tonnage	2	2.5	3	3.5	4	5
		Factory Installed Expansion Valve	12J18	12J18	12J19	12J20	12J20	12J20
Connections in.	Suction / vapor (o.d.) line - sweat		5/8	3/4	3/4	7/8	7/8	7/8
	Liquid line (o.d.) - sweat		3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Blower Data	Wheel nominal diameter x width - in.		11 x 8	11 x 8	11 x 8	11-1/2 x 9	11-1/2 x 9	11-1/2 x 9
	Motor output - hp		1/2	1/2	3/4	1	1	1
	Air Volume Range - cfm		385 - 1130	540 - 1320	900 - 1545	1205 - 2150	1205 - 2150	1250 - 2150
Filters MERV 16		¹ Size - in.	20 x 20 x 5	20 x 20 x 5	20 x 20 x 5	20 x 25 x 5	20 x 25 x 5	20 x 25 x 5
Shipping Data - 1 Package - lbs.			165	167	172	214	216	216

ELECTRICAL DATA

Voltage - phase - 60hz		208/230V-1ph					
² Maximum overcurrent protection (unit only)		15	15	15	20	20	20
³ Minimum circuit ampacity (unit only)		5	5	10	10	10	10

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

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PRODUCT CATALOG

AIR HANDLERS CBX32MV DAVE LENNOX SIGNATURE® COLLECTION

Multi-Position - R-410A - Variable Speed Blower
1.5 to 5+ Tons

Optional Electric Heat - 2.5 to 25 kW

Page 3

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

Dual, anti-microbial drain pans resist growth of mold and mildew.



Factory installed R-410A Check/Expansion Valve.

iComfort® Communicating Controls

iComfort® Control communicates information about the furnace to the optional iComfort® S30 thermostat.



24 Volt Transformer

Applicable to the iHarmony® Zoning System.

Variable-Speed Blower Motor

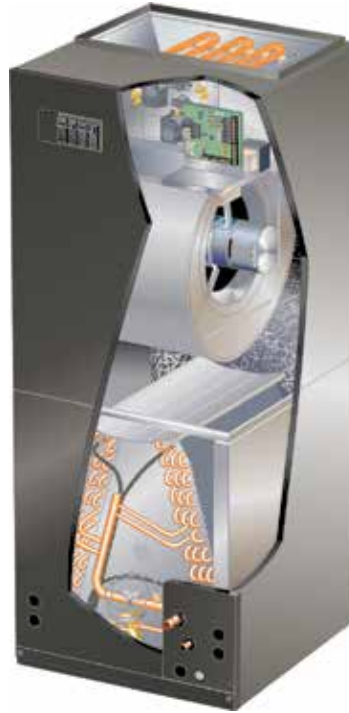
High efficiency, variable speed ECM (Electronically Commutated Motor) Maintains specified air volumes up to a maximum of 0.8 in. w.g. total external static.

IAQ Ready

Delta plate knock-out for optional Healthy Climate® UVC Germicidal Light

Cabinet

Multi-Position Capability
Pre-painted cabinet finish.
Fully insulated cabinet with thick fiberglass insulation.
All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010.
Tool-less access to disposable, frame-type filter.



LIMITED WARRANTY

Limited Warranty

All covered components - Ten years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

ACCESSORIES

See page 18

Cabinet

- Downflow Combustible Base
- Healthy Climate® UVC Germicidal Light
- Horizontal Support Frame Kit (Upflow)
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

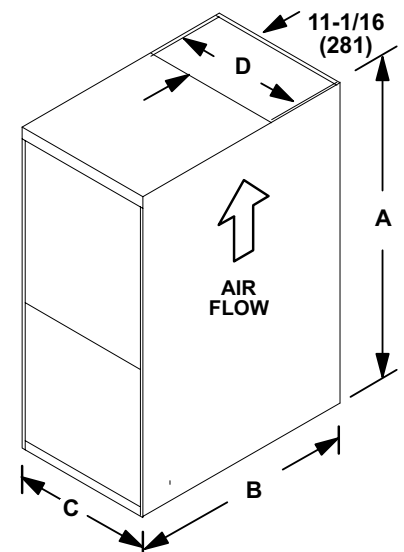
- iComfort® S30 Thermostat
- ComfortSense® 7500 Thermostat
- Thermostat
- iHarmony® Zoning System

Electric Heat

See page 15

- Electric Heat - 2.5 to 25 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box

DIMENSIONS



		-018/ 024	-024/ 030	-036	-048 -060	068
	A	45-1/4 (1149)	49-1/4 (1251)	51 (1295)	58-1/2 (1486)	65 1651
	B	20-5/8 (524)	20-5/8 (524)	22-5/8 (575)	24-5/8 (625)	26-5/8 (676)
	C	16-1/4 (413)	21-1/4 (540)	21-1/4 (540)	21-1/4 (540)	21-1/4 (540)
	D	14-3/4 (375)	19-3/4 (502)	19-3/4 (502)	19-3/4 (502)	19-3/4 (502)
Return Air	Width	15 (381)	20 (508)	20 (508)	20 (508)	20 (508)
	Depth	19 (483)	19 (483)	21 (533)	23 (584)	25 (635)

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SPECIFICATIONS

General Data		Model Number	CBX32MV-018/024	CBX32MV-024/030	CBX32MV-036
	Nominal tonnage		1.5 to 2	2 to 2.5	3
	Factory Installed Expansion Valve		12J18	12J18	12J19
Connections in.	Suction / vapor (o.d.) line - sweat		5/8	3/4	3/4
	Liquid line (o.d.) - sweat		3/8	3/8	3/8
	Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4
Blower Data	Wheel nominal diameter x width - in.		10 x 7	10 x 8	10 x 8
	Motor output - hp		1/2	1/2	1/2
	Air Volume Range - cfm		385 - 1130	540 - 1320	900 - 1545
Filters	¹ Number and size - in.		(1) 15 x 20 x 1	(1) 20 x 20 x 1	(1) 20 x 20 x 1
Shipping Data - 1 Package - lbs.			126	152	183

ELECTRICAL DATA

	Voltage - phase - 60hz	208/230V-1ph	208/230V-1ph	208/230V-1ph
	² Maximum overcurrent protection (unit only)	15	15	15
	³ Minimum circuit ampacity (unit only)	5	5	5

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.**SPECIFICATIONS**

General Data		Model Number	CBX32MV-048	CBX32MV-060	CBX32MV-068
	Nominal tonnage		4	5	5+
	Factory Installed Expansion Valve		12J20	12J20	12J20
Connections in.	Suction / vapor (o.d.) line - sweat		7/8	7/8	1-1/8
	Liquid line (o.d.) - sweat		3/8	3/8	3/8
	Condensate drain - in. (fpt)		(2) 3/4	(2) 3/4	(2) 3/4
Indoor Coil	Net face area - ft. ²		7.22	7.22	7.77
	Tube outside diameter - in.		3/8	3/8	3/8
	Number of rows		3	3	3
	Fins per inch		12	12	12
Blower Data	Wheel nominal diameter x width - in.		12 x 9	12 x 9	15 x 9
	Motor output - hp		1	1	1
	Air Volume Range - cfm		1205 - 2150	1205 - 2150	1250 - 2150
Filters	¹ Number and size - in.		(1) 20 x 24 x 1	(1) 20 x 24 x 1	(1) 20 x 25 x 1
Shipping Data - 1 Package - lbs.			212	212	244

ELECTRICAL DATA

	Voltage - phase - 60hz	208/230V-1ph	208/230V-1ph	208/230V-1ph
	² Maximum overcurrent protection (unit only)	20	20	20
	³ Minimum circuit ampacity (unit only)	11	11	11

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

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PRODUCT CATALOG

AIR HANDLERS CBX32M ELITE® SERIES

Multi-Position - R-410A

1.5 to 5 Tons

Optional Electric Heat - 2.5 to 25 kW

Page 5

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins.

Twin coil construction in an "A" configuration for large surface area.

Dual, anti-microbial drain pans resist growth of mold and mildew.



Factory installed R-410A Check/Expansion Valve.

Controls

24 Volt Transformer

Blower Cooling Relay

Terminal Strip

Blower

Multi-speed, Direct-Drive Blower

Cabinet

Multi-Position Capability

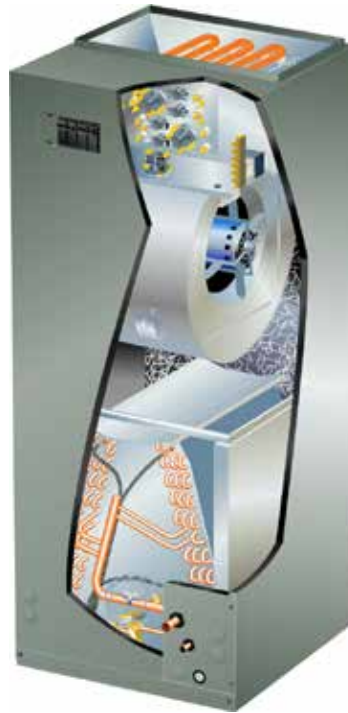
All models are shipped in one piece but can be separated for ease of installation.

Pre-painted cabinet finish.

Fully insulated cabinet with thick fiberglass insulation.

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010

Tool-less access to disposable, frame-type filter



LIMITED WARRANTY

Limited Warranty

All covered components - Five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

		-018/ 024	-030	-036	-042	-048 -060
A		45-1/4 (1149)	49-1/4 (1251)	51 (1295)	52-1/2 (1334)	58-1/2 (1486)
B		20-5/8 (524)	20-5/8 (524)	22-5/8 (575)	22-5/8 (575)	24-5/8 (625)
C		16-1/4 (413)	21-1/4 (540)	21-1/4 (540)	21-1/4 (540)	21-1/4 (540)
D		14-3/4 (375)	19-3/4 (502)	19-3/4 (502)	19-3/4 (502)	19-3/4 (502)
Return Air	Width	15 (381)	20 (508)	20 (508)	20 (508)	20 (508)
	Depth	19 (483)	19 (483)	21 (533)	21 (533)	23 (584)

ACCESSORIES

See page 18

Cabinet

- Downflow Combustible Base
- Downflow Conversion Kit
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

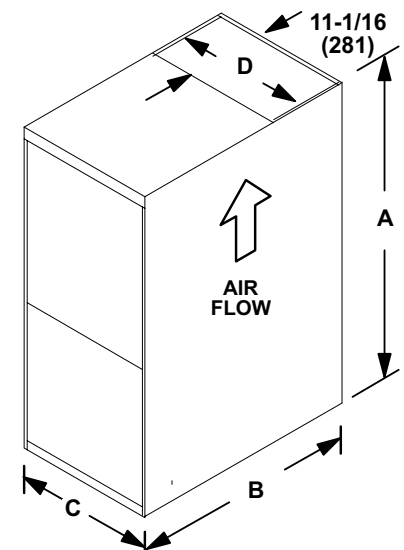
- Thermostat

Electric Heat

See page 16

- Electric Heat - 2.5 to 30 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box

DIMENSIONS



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SPECIFICATIONS

General Data	Model Number	CBX32M -018/024	CBX32M -030	CBX32M -036	CBX32M -042	CBX32M -048	CBX32M -060
	Nominal Tonnage	1.5 - 2	2.5	3	3.5	4	5
	Factory Installed Expansion Valve	12J18	12J18	12J19	12J20	12J20	12J20
Connections in.	Suction (vapor) line - sweat	5/8	3/4	3/4	7/8	7/8	7/8
	Liquid line - sweat	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain - fpt	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Blower Data	Wheel nom. diameter x width - in.	10 x 7	10 x 8	11 x 8	11 x 8	11-1/2 x 9	12 x 9
	Blower motor output - hp	1/5	1/3	1/3	1/3	1/3	1/2
	Air Volume Range - cfm	350 - 1030	335 - 1290	485 - 1525	700 - 1825	740 - 1910	1050 - 2115
Filters	¹ Number	1	1	1	1	1	1
	Size - in.	15 x 20 x 1	20 x 20 x 1	20 x 20 x 1	20 x 20 x 1	20 x 24 x 1	20 x 24 x 1
Shipping Data	lbs. (1 package)	136	157	177	181	206	206

ELECTRICAL DATA

	Voltage - 1 phase	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
	Voltage - 3 phase	- - -	- - -	⁴ 460V	- - -	⁴ 460V	⁴ 460V
² Maximum overcurrent protection (unit only) all voltages		15	15	15	15	15	15
3 Minimum circuit ampacity (unit only) - 208/230V		2	2	2	3	3	5
	460V	- - -	- - -	2	- - -	2	3

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.⁴ Blower motor is 460V - 1 phase. Optional electric heat is 460V - 3 phase.

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PRODUCT CATALOG

AIR HANDLERS CBA27UH ELITE® SERIES

Upflow / Horizontal - Quantum™ Coil - R410A
1.5 to 5 Tons
Optional Electric Heat - 2.5 to 25 kW

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Lennox Quantum™ Coil - Aluminum tubing, hairpins, distributor and header tubes

Copper refrigerant sweat connections on both liquid and suction lines for easy brazing
Twin coil construction in an "A" configuration

Dual position, deep, corrosion resistant drain pans

Factory installed R-410A Check/Expansion valve

Controls

24 Volt Transformer

Blower Cooling Relay

Terminal Strip

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor) with electronic braking

IAQ Ready

Delta plate knock-out for optional Healthy Climate® UVC Germicidal Light

Cabinet

Upflow / Horizontal Configuration (downflow with optional kit)

Shipped in one piece but can be separated for ease of installation

Pre-painted cabinet finish

Fully insulated cabinet with thick fiberglass insulation

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010

Tool-less access to disposable, frame-type filter



LIMITED WARRANTY

All covered components - Five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

		-018 -024	-030 -036	-042 -048	-060
A		49-1/4 (1251)	51 (1295)	58-1/2 (1486)	62-1/2 (1588)
B		20-5/8 (524)	22-5/8 (575)	24-5/8 (625)	24-5/8 (625)
C		21-1/4 (540)	21-1/4 (540)	21-1/4 (540)	21-1/4 (540)
D		19-3/4 (502)	19-3/4 (502)	19-3/4 (502)	19-3/4 (502)
Return Air	Width	20 (508)	20 (508)	20 (508)	20 (508)
	Depth	19 (483)	21 (533)	23 (584)	23 (584)

ACCESSORIES

See page 18

Cabinet

- Downflow Combustible Base
- Downflow Conversion Kit
- Healthy Climate® UVC Germicidal Light
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

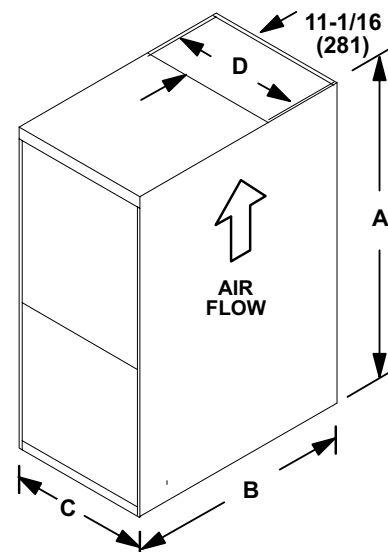
- ComfortSense® 7500 Thermostat
- Thermostat

Electric Heat

See page 16

- Electric Heat - 2.5 to 25 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box

DIMENSIONS



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SPECIFICATIONS

General Data		Model Number	CBA27UHE-018	CBA27UHE-024	CBA27UHE-030	CBA27UHE-036
		Nominal tonnage	1.5	2	2.5	3
		Factory Installed Expansion Valve	12J18	12J18	12J18	12J19
Connections	Suction (vapor) line (o.d.) - in. sweat		3/4	3/4	3/4	3/4
	Liquid line (o.d.) - in. sweat		3/8	3/8	3/8	3/8
	Condensate - in. fpt		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Blower	Wheel nominal diameter x width - in.		10 x 8	10 x 8	11 x 8	11 x 8
	Blower motor output - hp		1/2	1/2	1/2	1/2
¹ Filters	Size of filter - in.		20 x 20 x 1	20 x 20 x 1	20 x 20 x 1	20 x 20 x 1
Shipping Data -1 package - lbs.			137	137	150	150

ELECTRICAL DATA

		Voltage - 1 phase - 60hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
		Voltage - 3 phase - 60hz	---	---	---	³ 460V-1ph
² Maximum overcurrent protection (unit only) - All voltages			15	15	15	15
Minimum circuit ampacity (unit only) - 208/230V			5	5	5	5
Blower Motor Full Load Amps - 208/230V			4.1	4.1	4.1	4.1
Minimum circuit ampacity (unit only) - 460V			---	---	---	2.6
Blower Motor Full Load Amps - 460V			---	---	---	2.1

SPECIFICATIONS

General Data		Model Number	CBA27UHE-042	CBA27UHE-048	CBA27UHE-060
		Nominal tonnage	3.5	4	5
		Factory Installed Expansion Valve	12J20	12J20	12J20
Connections	Suction (vapor) line (o.d.) - in. sweat		7/8	7/8	7/8
	Liquid line (o.d.) - in. sweat		3/8	3/8	3/8
	Condensate - in. fpt		(2) 3/4	(2) 3/4	(2) 3/4
Blower	Wheel nominal diameter x width - in.		12 x 9	12 x 9	12 x 9
	Blower motor output - hp		1	1	1
¹ Filters	Size of filter - in.		20 x 24 x 1	20 x 24 x 1	20 x 24 x 1
Shipping Data -1 package lbs.			186	186	199

ELECTRICAL DATA

		Voltage - 1 phase - 60hz	208/230V-1ph	208/230V- 1ph	208/230V- 1ph
		Voltage - 3 phase - 60hz	---	³ 460V-1ph	³ 460V-1ph
² Maximum overcurrent protection (unit only) - All voltages			15	15	15
Minimum circuit ampacity (unit only) - 208/230V			10	10	10
Blower Motor Full Load Amps - 208/230V			7.6	7.6	7.6
Minimum circuit ampacity (unit only) - 460V			---	5	5
Blower Motor Full Load Amps - 460V			---	4	4

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Blower motor is 460V - 1 phase. Optional electric heat is 460V - 3 phase.

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PRODUCT CATALOG

AIR HANDLERS CBX27UH ELITE® SERIES

Upflow / Horizontal - R410A

1.5 to 5 Tons

Optional Electric Heat - 2.5 to 25 kW

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins

Twin coil construction in an "A" configuration

Dual position, deep, corrosion resistant drain pans

Factory installed R-410A Check/Expansion valve

Controls

24 Volt Transformer

Blower Cooling Relay

Terminal Strip

Power Saver™ Constant Torque Blower Motor

High efficiency, multi-speed ECM (Electronically Commutated Motor) with electronic braking

IAQ Ready

Delta plate knock-out for optional Healthy Climate® UVC Germicidal Light

Cabinet

Upflow / Horizontal Configuration (downflow with optional kit)

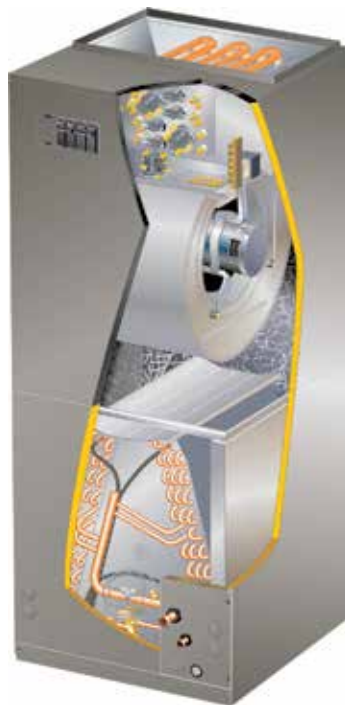
Shipped in one piece but can be separated for ease of installation

Pre-painted cabinet finish

Fully insulated cabinet with thick fiberglass insulation

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010

Tool-less access to disposable, frame-type filter



LIMITED WARRANTY

All covered components - Five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

		-018 -024	-030 -036	-042 -048	-060
A		49-1/4 (1251)	51 (1295)	58-1/2 (1486)	62-1/2 (1588)
B		20-5/8 (524)	22-5/8 (575)	24-5/8 (625)	24-5/8 (625)
C		21-1/4 (540)	21-1/4 (540)	21-1/4 (540)	21-1/4 (540)
D		19-3/4 (502)	19-3/4 (502)	19-3/4 (502)	19-3/4 (502)
Return Air	Width	20 (508)	20 (508)	20 (508)	20 (508)
	Depth	19 (483)	21 (533)	23 (584)	23 (584)

ACCESSORIES

See page 18

Cabinet

- Downflow Combustible Base
- Downflow Conversion Kit
- Healthy Climate® UVC Germicidal Light
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

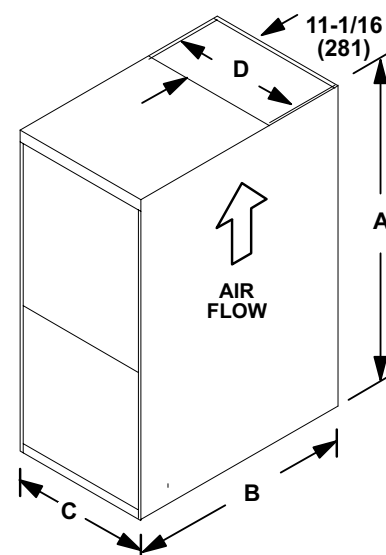
- ComfortSense® 7500 Thermostat
- Thermostat

Electric Heat

See page 16

- Electric Heat - 2.5 to 25 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box

DIMENSIONS



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SPECIFICATIONS

General Data		Model Number	CBX27UH-018	CBX27UH-024	CBX27UH-030	CBX27UH-036
		Nominal tonnage	1.5	2	2.5	3
		Factory Installed Expansion Valve	12J18	12J18	12J18	12J19
Connections	Suction (vapor) line (o.d.) - in. sweat		3/4	3/4	3/4	3/4
	Liquid line (o.d.) - in. sweat		3/8	3/8	3/8	3/8
	Condensate - in. fpt		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Blower	Wheel nominal diameter x width - in.		10 x 8	10 x 8	11 x 8	11 x 8
	Blower motor output - hp		1/2	1/2	1/2	1/2
	Air Volume Range - cfm		170-1010	320-1190	360-1365	515-1555
¹ Filters	Size of filter - in.		20 x 20 x 1	20 x 20 x 1	20 x 20 x 1	20 x 20 x 1
Shipping Data -1 package - lbs.			148	148	159	159

ELECTRICAL DATA

		Voltage - 1 phase - 60hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
		Voltage - 3 phase - 60hz	---	---	---	⁴ 460V-1ph
² Maximum overcurrent protection (unit only) - All voltages			15	15	15	15
Minimum circuit ampacity (unit only) - 208/230V			5	5	5	5
Blower Motor Full Load Amps - 208/230V			4.1	4.1	4.1	4.1
³ Minimum circuit ampacity (unit only) - 460V			---	---	---	2.6
Blower Motor Full Load Amps - 460V			---	---	---	2.1

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.⁴ Blower motor is 460V - 1 phase. Optional electric heat is 460V - 3 phase.**SPECIFICATIONS**

General Data		Model Number	CBX27UH-042	CBX27UH-048	CBX27UH-060
		Nominal tonnage	3.5	4	5
		Factory Installed Expansion Valve	12J20	12J20	12J20
Connections	Suction (vapor) line (o.d.) - in. sweat		7/8	7/8	7/8
	Liquid line (o.d.) - in. sweat		3/8	3/8	3/8
	Condensate - in. fpt		(2) 3/4	(2) 3/4	(2) 3/4
Blower	Wheel nominal diameter x width - in.		12 x 9	12 x 9	12 x 9
	Blower motor output - hp		1	1	1
	Air Volume Range - cfm		825-1815	810-1860	965-2365
¹ Filters	Size of filter - in.		20 x 24 x 1	20 x 24 x 1	20 x 24 x 1
Shipping Data -1 package lbs.			194	194	216

ELECTRICAL DATA

		Voltage - 1 phase - 60hz	208/230V-1ph	208/230V- 1ph	208/230V- 1ph
		Voltage - 3 phase - 60hz	---	⁴ 460V-1ph	⁴ 460V-1ph
² Maximum overcurrent protection (unit only) - All voltages			15	15	15
Minimum circuit ampacity (unit only) - 208/230V			10	10	10
Blower Motor Full Load Amps - 208/230V			7.6	7.6	7.6
³ Minimum circuit ampacity (unit only) - 460V			---	5	5
Blower Motor Full Load Amps - 460V			---	4	4

¹ Disposable frame type filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.⁴ Blower motor is 460V - 1 phase. Optional electric heat is 460V or 575V - 3 phase.

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PRODUCT CATALOG

AIR HANDLERS CBX25UHV (-10) MERIT® SERIES

Upflow / Horizontal - R410A - Programmable Multi-Speed Blower Motor
1.5 to 5 Tons
Optional Electric Heat - 2.5 to 20 kW

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins

Twin coil construction in an "A" configuration

Anti-microbial dual position drain pans resist growth of mold and mildew.



Factory installed R-410A Check/Expansion valve

Controls

BDC3 Electronic Blower Control

24 Volt Transformer

Blower Relay

Terminal Strip

Blower

Programmable Multi-Speed Blower Motor

Cabinet

Upflow / Horizontal Configuration

Pre-painted cabinet finish

Fully insulated cabinet with thick fiberglass insulation

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010

Tool-less access to disposable, frame-type filter



ACCESSORIES

See page 18

Cabinet

- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

- Thermostat

Electric Heat

See page 17

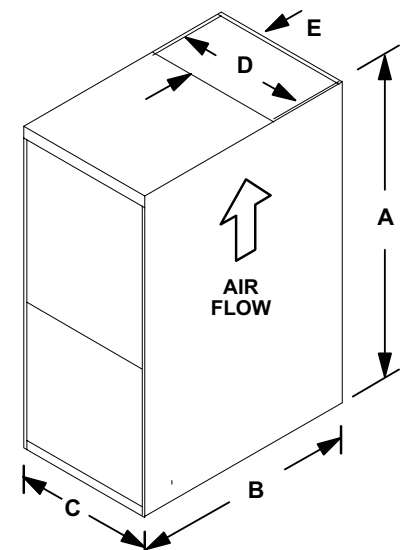
- Electric Heat - 2.5 to 20 kW
- Single-Point Power Source Control Box

LIMITED WARRANTY

All covered components - Five years
Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details

DIMENSIONS

		-018	-024	-030	-036	-042	-048 -060
A		38 (965)	40-1/2 (1029)	43 (1092)	48 (1219)	48 (1219)	52-1/2 (1334)
	B	22 (559)	22 (559)	22 (559)	22 (559)	26-1/4 (667)	26-1/4 (667)
	C	15 (381)	18-1/2 (470)	18-1/2 (470)	21-7/8 (556)	21-7/8 (556)	21-7/8 (556)
	D	13 (330)	16-1/2 (419)	16-1/2 (419)	19-7/8 (505)	19-7/8 (505)	19-7/8 (505)
	E	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	18-3/4 (476)	18-3/4 (476)
Return Air	Width	12-3/4 (324)	16-1/4 (413)	16-1/4 (413)	19-5/8 (498)	19-5/8 (498)	19-5/8 (498)
	Depth	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	24-5/8 (625)	24-5/8 (625)



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SPECIFICATIONS

General Data	Model Number	CBX25UHV-018	CBX25UHV-024	CBX25UHV-030	CBX25UHV-036
	Nominal tonnage	1.5	2	2.5	3
	Factory Installed Expansion Valve	12J18	12J18	12J18	12J19
Connections	Suction/Vapor line (o.d.) - in. sweat	3/4	3/4	7/8	7/8
	Liquid line (o.d.) - in. sweat	3/8	3/8	3/8	3/8
	Condensate - in. fpt	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Indoor Coil	Net face area - ft. ²	3.11	3.56	4.00	4.89
	Tube outside diameter - in.	3/8	3/8	3/8	3/8
	Number of rows	3	3	3	3
	Fins per inch	14	14	14	14
Blower	Wheel nominal diameter x width - in.	9 x 6	9 x 6	10 x 8	10 x 8
	Blower motor output - hp	1/2	1/2	1/2	1/2
	Air Volume Range - cfm	350 - 1090	300 - 1125	340 - 1330	505 - 1435
¹ Filters	Size of filter - in.	12 x 20 x 1	15 x 20 x 1	15 x 20 x 1	18 x 20 x 1

ELECTRICAL DATA

	Voltage - 1 phase (60 hz)	208/240V	208/240V	208/240V	208/240V
	² Maximum overcurrent protection (unit only)	15	15	15	15
	³ Minimum circuit ampacity (unit only)	4.9	4.9	4.9	4.9
	Blower Motor Full Load Amps	3.9	3.9	3.9	3.9
Shipping Data -1 package - lbs.		105	123	126	161

SPECIFICATIONS

General Data	Model Number	CBX25UHV-042	CBX25UHV-048	CBX25UHV-060
	Nominal tonnage	3.5	4	5
	Factory Installed Expansion Valve	12J20	12J20	12J20
Connections	Suction/Vapor line (o.d.) - in. sweat	7/8	7/8	7/8
	Liquid line (o.d.) - in. sweat	3/8	3/8	3/8
	Condensate - in. fpt	(2) 3/4	(2) 3/4	(2) 3/4
Indoor Coil	Net face area - ft. ²	5.83	7.00	7.00
	Tube outside diameter - in.	3/8	3/8	3/8
	Number of rows	3	3	3
	Fins per inch	14	14	14
Blower	Wheel nominal diameter x width - in.	12 x 8	12 x 9	12 x 9
	Blower motor output - hp	3/4	1	1
	Air Volume Range - cfm	650 - 1800	850 - 2340	1015 - 2275
¹ Filters	Size of filter - in.	18 x 24 x 1	18 x 24 x 1	18 x 24 x 1

ELECTRICAL DATA

	Voltage - 1 phase (60 hz)	208/240V	208/240V	208/240V
	² Maximum overcurrent protection (unit only)	15	15	15
	³ Minimum circuit ampacity (unit only)	6.5	8.6	8.6
	Blower Motor Full Load Amps	5.2	6.9	6.9
Shipping Data -1 package - lbs.		163	186	186

¹ Disposable filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

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PRODUCT CATALOG

AIR HANDLERS CBX25UH (-10) MERIT® SERIES

Upflow / Horizontal - R410A

1.5 to 5 Tons

Optional Electric Heat - 2.5 to 20 kW

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February 2018

Supersedes January 2018

FEATURES

Refrigerant System

Copper tube construction with enhanced ripple-edged aluminum fins

Twin coil construction in an "A" configuration

Anti-microbial dual position drain pans resist growth of mold and mildew.



Factory installed R-410A Check/Expansion valve

Controls

24 Volt Transformer

Blower Cooling Relay

Terminal Strip

Blower

Multi-Speed, Direct-Drive Blower

Cabinet

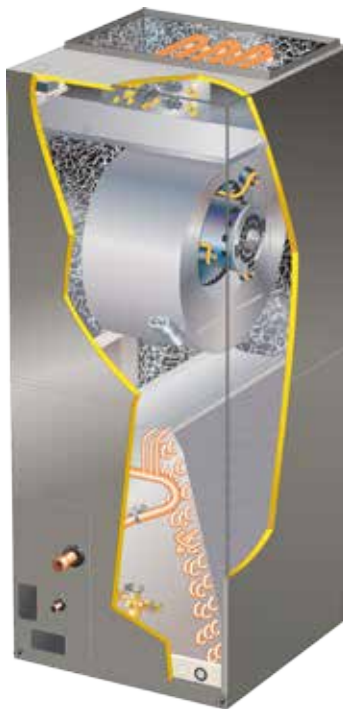
Upflow / Horizontal Configuration (downflow with optional kit)

Pre-painted cabinet finish

Fully insulated cabinet with thick fiberglass insulation

All models have less than 2% air leakage and meet ANSI/ASHRAE Standard 193-2010

Tool-less access to disposable, frame-type filter



LIMITED WARRANTY

All covered components - Five years
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

ACCESSORIES

See page 18

Cabinet

- Downflow Conversion Kit
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

- Thermostat

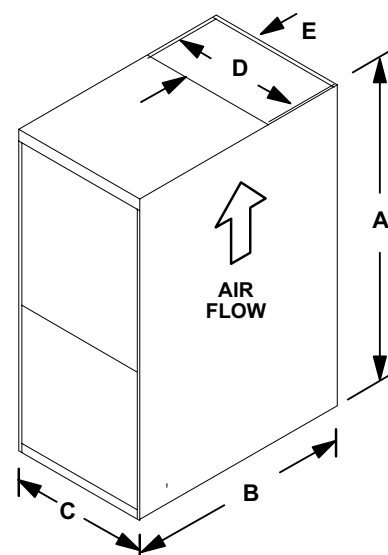
Electric Heat

See page 17

- Electric Heat - 2.5 to 20 kW
- Single-Point Power Source Control Box

		-018	-024	-030	-036	-042	-048 -060
A		38 (965)	40-1/2 (1029)	43 (1092)	52-1/2 (1334)	48 (1219)	52-1/2 (1334)
B		22 (559)	22 (559)	22 (559)	22 (559)	26-1/4 (667)	26-1/4 (667)
C		15 (381)	18-1/2 (470)	18-1/2 (470)	21-7/8 (556)	21-7/8 (556)	21-7/8 (556)
D		13 (330)	16-1/2 (419)	16-1/2 (419)	19-7/8 (505)	19-7/8 (505)	19-7/8 (505)
E		14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	18-3/4 (476)	18-3/4 (476)
Return Air	Width	12-3/4 (324)	16-1/4 (413)	16-1/4 (413)	19-5/8 (498)	19-5/8 (498)	19-5/8 (498)
	Depth	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	24-5/8 (625)	24-5/8 (625)

DIMENSIONS



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SPECIFICATIONS

General Data		Model Number	CBX25UH-018	CBX25UH-024	CBX25UH-030	CBX25UH-036
		Nominal tonnage	1.5	2	2.5	3
		Factory Installed Expansion Valve	12J18	12J18	12J18	12J19
Connections	Suction/Vapor line (o.d.) - in. sweat		3/4	3/4	3/4	7/8
	Liquid line (o.d.) - in. sweat		3/8	3/8	3/8	3/8
	Condensate - in. fpt		(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Indoor Coil	Net face area - ft. ²		3.11	3.56	4.00	4.89
	Tube outside diameter - in.		3/8	3/8	3/8	3/8
	Number of rows		3	3	3	3
	Fins per inch		14	14	14	14
Blower	Wheel nominal diameter x width - in.		9 x 6	9 x 6	10 x 8	10 x 8
	Blower motor output - hp		1/5	1/3	1/3	1/3
	Air Volume Range - cfm		325 - 905	580 - 1130	740 - 1240	990 - 1660
¹ Filters	Size of filter - in.		12 x 20 x 1	15 x 20 x 1	15 x 20 x 1	18 x 20 x 1
Shipping Data -1 package - lbs.			109	127	133	163

ELECTRICAL DATA

Voltage - 1 phase (60 hz)	208/240V	208/240V	208/240V	208/240V
² Maximum overcurrent protection (unit only)	15	15	15	15
³ Minimum circuit ampacity (unit only)	2.0	2.0	2.4	2.5
Blower Motor Full Load Amps	1.6	1.6	1.9	2.0

SPECIFICATIONS

General Data		Model Number	CBX25UH-042	CBX25UH-048	CBX25UH-060
		Nominal tonnage	3.5	4	5
		Factory Installed Expansion Valve	12J20	12J20	12J20
Connections	Suction/Vapor line (o.d.) - in. sweat		7/8	7/8	7/8
	Liquid line (o.d.) - in. sweat		3/8	3/8	3/8
	Condensate - in. fpt		(2) 3/4	(2) 3/4	(2) 3/4
Indoor Coil	Net face area - ft. ²		5.83	7.00	7.00
	Tube outside diameter - in.		3/8	3/8	3/8
	Number of rows		3	3	3
	Fins per inch		14	14	14
Blower	Wheel nominal diameter x width - in.		12 x 8	11 x 9	12 x 9
	Blower motor output - hp		1/3	1/2	1/2
	Air Volume Range - cfm		1225 - 1820	1470 - 2070	1450 - 2140
¹ Filters	Size of filter - in.		18 x 24 x 1	18 x 24 x 1	18 x 24 x 1
Shipping Data -1 package - lbs.			168	186	186

ELECTRICAL DATA

Voltage - 1 phase (60 hz)	208/240V	208/240V	208/240V
² Maximum overcurrent protection (unit only)	15	15	15
³ Minimum circuit ampacity (unit only)	2.4	4.9	4.9
Blower Motor Full Load Amps	1.9	3.9	3.9

¹ Disposable filter.² HACR type circuit breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

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OPTIONAL ELECTRIC HEAT - ORDER SEPARATELY

			Item	CBX32MV						CBX40UHV					
				-018/024	-024/030	-036	-048	-060	-068	-024	-030	-036	-042	-048	-060
208/240V-1ph - Terminal Block Models															
2.5 kW	ECB40-2.5	12L68	•							•					
4 kW	ECB40-4	12L76	•	•	•	•	•	•	•	•	•	•	•	•	•
5 kW	ECB40-5	12L79	•	•	•	•	•	•	•	•	•	•	•	•	•
6 kW	ECB40-6	12L86	•	•	•	•	•	•	•	•	•	•	•	•	•
8 kW	ECB40-8	12L87	•	•	•	•	•	•	•	•	•	•	•	•	•
208/240V-1ph - Circuit Breaker Models															
4 kW	ECB40-4CB	12L78	•	•	•	•	•	•	•	•	•	•	•	•	•
5 kW	ECB40-5CB	12L88	•	•	•	•	•	•	•	•	•	•	•	•	•
6 kW	ECB40-CB6	12L89	•	•	•	•	•	•	•	•	•	•	•	•	•
8 kW	ECB40-8CB	12L90	•	•	•	•	•	•	•	•	•	•	•	•	•
9 kW	ECB40-9CB	12L91		•	•	•	•	•	•	•	•	•	•	•	•
12.5 kW	ECB40-12.5CB	12L92		•	•	•	•	•	•		•	•	•	•	•
15 kW	ECB40-15CB	12L93		•	•	•	•	•	•		•	•	•	•	•
20 kW	ECB40-20CB	12L94			•	•	•	•	•			•	•	•	•
25 kW	ECB40-25CB	12L95				•	•	•	•				•	•	•
208/240V-3ph - Terminal Block Models															
8 kW	ECB40-8	12L96				•	•	•	•			•	•	•	•
10 kW	ECB40-10	12L97				•	•	•	•			•	•	•	•
208/240V-3ph - Circuit Breaker Models															
15 kW	ECB40-15CB	12L98				•	•	•	•			•	•	•	•
20 kW	ECB40-20CB	12L99				•	•	•	•			•	•	•	•
25 kW	ECB40-25CB	12M75					•	•	•				•	•	•



OPTIONAL ELECTRIC HEAT - ORDER SEPARATELY

			Item	CBX32M						CBA27UHE CBX27UH						
				-018/024	-030	-036	-042	-048	-060	-018	-024	-030	-036	-042	-048	-060
208/240V-1ph - Terminal Block Models																
2.5 kW	ECB29-2.5	12L27	•							•						
4 kW	ECB29-4	12L30	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5 kW	ECB29-5	12L35	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6 kW	ECB29-6	12L44	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8 kW	ECB29-8	12L50	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10 kW	ECB29-10	13T83								•	•	•	•			
208/240V-1ph - Circuit Breaker Models																
4 kW	ECB29-4CB	12L45	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5 kW	ECB29-5CB	12L47	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6 kW	ECB29-6CB	12L49	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8 kW	ECB29-8CB	12L52	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9 kW	ECB29-9CB	13T79	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10 kW	ECB29-10CB	13T87	•	•	•	•	•	•	•	•	•	•	•			
12.5 kW	ECB29-12.5CB	13T88		•	•	•	•	•	•			•	•	•	•	•
15 kW	ECB29-15CB	13T91		•	•	•	•	•	•			•	•	•	•	•
20 kW	ECB29-20CB	13T92			•	•	•	•	•				•	•	•	•
25 kW	ECB29-25CB	12L59						•	•					•	•	•
30 kW	ECB29-30CB	12L60							•							
208/240V-3ph - Terminal Block Models																
8 kW	ECB29-8	12L61			•	•	•	•	•			•	•	•	•	•
10 kW	ECB29-10	12L62			•	•	•	•	•			•	•	•	•	•
208/240V-3ph - Circuit Breaker Models																
15 kW	ECB29-15CB	12L63			•	•	•	•	•			•	•	•	•	•
20 kW	ECB29-20CB	12L64			•	•	•	•	•				•	•	•	•
25 kW	ECB29-25CB	12L65						•	•					•	•	•
460V-3ph - Terminal Block Models																
10 kW	ECB29-10	28K47			•			•	•				•		•	•
15 kW	ECB29-15	28K48			•			•	•				•		•	•
20 kW	ECB29-20	28K49						•	•						•	•
25 kW	ECB29-25	28K50						•	•						•	•
575V-3ph - Terminal Block Models (575V to 460V step-down transformer furnished with 575V electric heaters for use with 460V air handlers in 575V applications)																
20 kW	ECB29-20	28K51						•	•						•	•
25 kW	ECB29-25	28K52						•	•						•	•



OPTIONAL ELECTRIC HEAT - ORDER SEPARATELY

			Item	CBX25UH / CBX25UHV						
			-018	-024	-030	-036	-042	-048	-060	
208/240V-1ph - Wire Lead Models										
2.5 kW	ECB25-2.5	12R08	•	•	•	•	•			
208/240V-1ph - Terminal Block Models										
5 kW	ECB25-5	12R45	•	•	•	•	•	•	•	
7.5 kW	ECB25-7.5	12R61	•	•	•	•	•	•	•	
10 kW	ECB25-10	12S59		•	•	•	•	•	•	
208/240V-1ph - Circuit Breaker Models										
5 kW	ECB25-5CB	12R60	•	•	•	•	•	•	•	
7.5 kW	ECB25-7.5CB	12S08	•	•	•	•	•	•	•	
10 kW	ECB25-10CB	12S60	¹ •	•	•	•	•	•	•	
12.5 kW	ECB25-12.5CB	12S77			•	•	•	•	•	
15 kW	ECB2655-15CB	12S87			•	•	•	•	•	
20 kW	ECB2655-20CB	12S88						•	•	

¹ CBX25UHV models only.



PRODUCT CATALOG

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OPTIONAL ACCESSORIES		Item	CBX32M						CBX32MV						CBX40UHV					
			-024	-030	-036	-042	-048	-060	-018/024	-024/030	-036	-048	-060	-068	-024	-030	-036	-042	-048	-060
Circuit Breaker Cover Kit		82W01	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ComfortSense® 7500 Thermostat		13H14							•	•	•	•	•	•	•	•	•	•	•	•
Dehumidification Relay Kit		26W62												•						•
Discharge Air Sensor (For EvenHeater Applications)		88K38							•	•	•	•	•	•	•	•	•	•	•	•
Downflow Combustible Flooring Base		34J72	•						•						•					
		44K15		•	•	•	•	•		•	•	•	•		•	•	•	•	•	•
Downflow Conversion Kit		83M57	•	•	•	•	•								•	•	•			
		43W10																•	•	•
Healthy Climate®		X9423							•	•	•	•	•	•	•	•	•	•	•	•
UVC Germicidal Light		UVC-24V (24V)							•	•	•	•	•	•	•	•	•	•	•	•
		UVC-41W-S (110/230V-1 ph)							•	•	•	•	•	•	•	•	•	•	•	•
Shielding Baffle (required)		X9900							•	•	•	•	•	•	•	•	•	•	•	•
Horizontal Support Frame Kit		56J18	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•
iComfort® S30 Thermostat		12U67							•	•	•	•	•	•	•	•	•	•	•	•
Side Return Unit Stand (Upflow Only)		45K31	•																	
		45K32		•	•	•	•	•		•	•	•	•		•	•	•	•	•	•
Single Point Power Source Control Box (2 or 3 circuits)		21H39	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Wall Hanging Bracket Kit (Upflow Only)		45K30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

¹ Cabinet size D x W - 17-3/8 x 22 in.

² Cabinet size D x W - 21-3/8 x 22 in.

³ Cabinet size D x W - 26-3/8 x 22 in.

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PRODUCT CATALOG

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OPTIONAL ACCESSORIES	Item	CBX25UHV							CBX25UH							CBA27UHE CBX27UH						
		-018	-024	-030	-036	-042	-048	-060	-018	-024	-030	-036	-042	-048	-060	-018	-024	-030	-036	-042	-048	-060
Circuit Breaker Cover Kit	82W01																					
	13H14																					
	26W62																					
	44K15																					
	96W37																					
Downflow Conversion Kit	96W38																					
	97W95																					
	97W96																					
	83M57																					
Healthy Climate® UVC Germicidal Light	UVC-24V (24V) X9423																					
	UVC-41W-S X9424 (110/230V-1 ph)																					
	Shielding Baffle (required) X9900																					
Horizontal Support Frame Kit	56J18																					
Side Return Unit Stand (Upflow Only)	45K31																					
	45K32																					
Single Point Power Source Control Box (2 or 3 circuits)	21H39																					
Wall Hanging Bracket Kit (Upflow Only)	45K30																					

¹ Cabinet size D x W - 21-3/8 x 22 in.
² Cabinet size D x W - 26-3/8 x 22 in.

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MINI-SPLIT SYSTEMS MPB

PRODUCT CATALOG

Multi-Zone Heat Pump System - R-410A
SEER - Up to 23.00
HSPF - Up to 10.3

Page 1

February 2018

Supersedes January 2018

FEATURES

OUTDOOR UNITS

Zoning

Multi-zone heat pumps allow up to five indoor units (five zones) to be connected to one outdoor unit.

Compressor

Variable frequency rotary compressor

Compressor crankcase heater

Controls

DC inverter control

Outdoor unit microprocessor

Electronic expansion valve

Compressor overcurrent protection

Condenser high temperature protection

High pressure discharge temperature protection

Intelligent Power Module (IPM) Protection

Low and high voltage protection

Terminal strip

Defrost control

Reversing valve

Outdoor Unit Cabinet

Heavy gauge steel

Condensate drain outlets

Pan heater

Access cover for power and control wiring

Access cover for service valves

INDOOR UNITS

Wall-Mount

Cassette

Ceiling/Floor Mount

Medium Static Ducted

Blower

Multi-speed fan

Filter

Cleanable filter

Controls

Indoor unit microprocessor

LED Readout



Auto restart

Cooling override

Terminal strip

Indoor coil freeze protection

Time delay

Auto operation

Condensate Pump

Furnished with Cassette and Ducted models

CONTROLS (FURNISHED)

Wireless Remote Control -

Furnished with Wall-Mounted Indoor Units, Cassette Indoor Units and Ceiling/Floor Indoor Units

Wired Remote Control - Furnished with Ducted Indoor Units

NOTE - As an option, a wired control can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.

LIMITED WARRANTY

Compressor - seven years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS

See page 13

ACCESSORIES

See page 6

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Indoor Unit

- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Kits And Tools

- Universal Mini-Split Installation Kit
- Speedichannel™ System

SPECIFICATIONS - MPB OUTDOOR UNITS**1.5 - 2.5 TON**

Nominal Size - Tons		1.5		2.5	
Outdoor Unit Model No.		MPB018S4M		MPB030S4M	
Number of Zones		2		Up to 3	
¹ AHRI Ratings	System Type	Ducted	Non-Ducted	Ducted	Non-Ducted
	Cooling - Btuh	18,000	18,000	28,000	28,000
	High Temperature Heating - Btuh	18,500	19,000	28,000	28,000
	Low Temperature Heating - Btuh	11,500	12,000	17,600	17,200
	SEER	18.5	22.5	21	23.0
	EER	11.8	12.5	11	12.5
	HSPF (Region IV)	10	10.3	10	10.3
	AHRI Reference Number		10062010		10062012
Energy Star		No	Yes	No	Yes
Ambient Temperature Range - °F	Cooling	-13 - 122		-13 - 122	
	Heating	-13 - 86		-13 - 86	
Sound Data (dBA)	Cooling/Heating	62 / 62		63 / 63	
Refrigerant	Charge furnished (R-410A)	4 lbs. 7 oz.		6 lbs. 3 oz.	
Maximum line length with furnished charge (per zone) - ft.		25		25	
Additional charge required per ft. - oz.		0.161		0.161	
Compressor	No. and Type	(1) Rotary		(1) Rotary	
	Refrigerant oil type	VG74		VG74	
	Refrigerant oil charge - oz.	16.9		22.7	
Connections	Liquid+Gas pipe (in.) flare	(2) 1/4 + (2) 3/8		(3) 1/4 + (3) 3/8	
	Max pipe. length for all rooms - ft.	131		197	
	Max. pipe length for one indoor unit - ft.	82		98	
	Max. height difference between indoor and outdoor units - ft.	49		49	
	Max. height difference between indoor units - ft.	33		33	
Outdoor Fan	(No.) Diameter - in.	(1) 19		(1) 20	
	Total air volume - cfm	1390		2130	
	Motor rpm	150/200/250/300/350/450/550/650/800/850		150/200/250/300/400/500/600/750/900/1000	
Outdoor Coil	Number of rows	2		2	
	Fins per inch	18		17	
	Fin type	Hydrophilic Aluminum			
	Tube outside diameter - in.	3/8		3/8	
	Tube type	Rifled Copper Tubing			
	Net face area - ft. ²	5.19		8.24	
Application area - sq. ft.		260 - 375		430 - 630	
Design Pressure PSIG		550/340		550/340	
Shipping Data Net/Shipping weight (lbs.)		106 / 115		150 / 161	
ELECTRICAL DATA					
Electrical Characteristics - 60 Hz - 1 Phase		208/230V		208/230V	
² Maximum Overcurrent Protection (amps)		25		35	
³ Minimum circuit ampacity		18		25	
Compressor Rated load amps		10		20	
Outdoor Fan Motor	Rated load amps	0.74		0.9	
	Output - W	50		120	

NOTE - Per AHRI, the certified ratings for systems are valid for all combinations of indoor units with the specific outdoor units listed above and in the AHRI Directory of Certified Equipment. Please visit <http://www.ahridirectory.org> for further details and latest updates.

¹ Ratings are AHRI certified to AHRI Standard 1230-2010 with Addendum 2;

• Cooling Ratings - 80°F dry bulb/67°F wet bulb entering indoor coil air and 95°F dry bulb/75°F wet bulb outdoor air temperature.

• High Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 47°F dry bulb/43°F wet bulb outdoor air temperature.

• Low Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 17°F dry bulb/15°F wet bulb outdoor air temperature.

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

² HACR type circuit breaker or fuse.

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

NOTE - Adaptors are furnished for the gas pipe connections:

018 - (2) 3/8 x 1/2 in.

030 - (3) 3/8 x 1/2 in.



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SPECIFICATIONS - MPB OUTDOOR UNITS**3 - 4 TON**

Nominal Size - Tons		3		4	
Outdoor Unit Model No.		MPB036S4M		MPB048S4M	
Number of Zones		Up to 4		Up to 5	
¹ AHRI Ratings	System Type	Ducted	Non-Ducted	Ducted	Non-Ducted
	Cooling - Btuh	36,000	36,000	49,000	48,000
	High Temperature Heating - Btuh	37,000	36,000	50,000	48,000
	Low Temperature Heating - Btuh	23,000	24,600	34,000	29,600
	SEER	21	22.5	20.5	22.4
	EER	10	11.5	10.1	12.5
	HSPF (Region IV)	10	10.2	11.5	10.2
	AHRI Reference Number		10062014		10062016
Energy Star		No	No	No	Yes
Ambient Temperature Range - °F	Cooling	-13 - 122		-13 - 122	
	Heating	-13 - 86		-13 - 86	
Sound Data (dBA)	Cooling	62		64	
	Heating	62		64	
Refrigerant	Charge furnished (R-410A)	6 lbs. 10 oz.		10 lbs. 2 oz.	
Maximum line length with furnished charge (per zone) - ft.		25		25	
Additional charge required per ft. - oz.		0.161		0.32	
Compressor	No. and Type	(1) Rotary		(1) Twin Rotary	
	Refrigerant oil type	VG74		VG74	
	Refrigerant oil charge - oz.	33.8		47.3	
Connections	Liquid+Gas+Gas pipe (in.) flare	(4) 1/4 + (3) 3/8 + (1) 1/2		(5) 1/4 + (3) 3/8 + (2) 1/2	
	Max pipe. length for all rooms - ft.	262		262	
	Max. pipe length for one indoor unit - ft.	115		115	
	Max. height difference between indoor and outdoor units - ft.	49		49	
	Max. height difference between indoor units - ft.	33		33	
Outdoor Fan	(No.) Diameter - in.	(1) 20		(2) 22	
	Total air volume - cfm	2130		4500	
	Motor rpm	150/200/250/300/400/500/600/750/900/1000		150/200/250/300/400/500/600/700/800/870	
Outdoor Coil	Number of rows	2		2	
	Fins per inch	19		18	
	Fin type	Hydrophilic Aluminum			
	Tube outside diameter - in.	3/8		3/8	
	Tube type	Rifled Copper Tubing			
Net face area - ft. ²		8.16		6.43 (inner coil) / 6.97 (outer coil)	
Application area - sq. ft.		515 - 755		690 - 1010	
Design Pressure PSIG		550/340		550/340	
Shipping Data Net/Shipping weight (lbs.)		157 / 168		224 / 255	
ELECTRICAL DATA					
Electrical Characteristics - 60 Hz - 1 Phase		208/230V		208/230V	
² Maximum Overcurrent Protection (amps)		45		50	
³ Minimum circuit ampacity		30		35	
Compressor Rated load amps		22		21	
Outdoor Fan Motor	Rated load amps	1.3		(2) 0.39	
	Output - W	120		(2) 85	

NOTE - Per AHRI, the certified ratings for systems are valid for all combinations of indoor units with the specific outdoor units listed above and in the AHRI Directory of Certified Equipment. Please visit <http://www.ahridirectory.org> for further details and latest updates.

¹ Ratings are AHRI certified to AHRI Standard 1230-2010 with Addendum 2;

- Cooling Ratings - 80°F dry bulb/67°F wet bulb entering indoor coil air and 95°F dry bulb/75°F wet bulb outdoor air temperature.
- High Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 47°F dry bulb/43°F wet bulb outdoor air temperature.
- Low Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 17°F dry bulb/15°F wet bulb outdoor air temperature.

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

² HACR type circuit breaker or fuse.

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

NOTE - Adaptors are furnished for the gas pipe connections:

036 - (3) 3/8 x 1/2 in. and (1) 1/2 x 3/8 in.

048 - (3) 3/8 x 1/2 in., (2) 1/2 x 3/8 in., (2) 1/4 x 3/8 in. and (2) 1/2 x 5/8 in.


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SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

	Model No.	MWMA009S4	MWMA012S4	MWMA018S4	MWMA024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		0.06	0.06	0.13	0.3
Output (W)		20	20	58	60
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		370/270/195	370/275/200	530/410/295	695/625/485
Sound Data (dBA) - Low/Medium/High		26.5/33.4/41.7	28.6/35.8/45.1	30.9/36.3/46.2	35.1/44.5/51.7
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		20 / 26	20 / 27	27 / 35	40 / 54

SPECIFICATIONS - CASSETTE INDOOR UNITS

	Model No.	M22A009S4	M22A012S4	M22A018S4	M33A024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		0.9	1.0	1.5	2.0
Output (W)		46	46	46	42
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		375/300/255	380/310/260	560/485/415	700/635/575
Sound Data (dBA) - Low/Medium/High		33/37/41	36/39/43	36/39/44	43/47/51
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1-1/4
Net/Shipping weights - lbs.	Body	32 / 38	36 / 41	36 / 42	47 / 55

REQUIRED COMPONENTS - ORDERED SEPARATELY

Cassette Panel	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X05 (M0STAT63Q-1)
Net/Shipping weights - lbs.	6 / 10	6 / 10	6 / 10	12 / 18


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SPECIFICATIONS - CEILING/FLOOR MOUNT INDOOR UNITS

	Model No.	MCFB018S4	MCFA024S4
	Nominal Tons	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V
Rated load amps		1.5	2.0
Output (W)		55	55
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90
	Heating	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		580/520/465	760/710/600
Sound Data (dBA) - Low/Medium/High		39/44/47	42/48/53
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1
Net/Shipping weights - lbs.		55 / 66	59 / 70

SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

	Model No.	MMDB009S4	MMDB012S4	MMDB018S4	MMDB024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		1.11	1.11	1.2	1.5
Output (W)		55	55	160	160
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		355/285/175	355/285/175	530/450/370	775/695/435
External Static Pressure (in. w.g)		0 - 0.16	0 - 0.16	0 - 0.40	0 - 0.64
Sound Data (dBA) - Low/Medium/High		25/32/38	26/33.5/38	35/37/39	36/41/44
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		38 / 49	38 / 49	54 / 66	87 / 103

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Catalog No.	09	12	18	Size				
OUTDOOR UNIT						24	30	36	48	
Condenser Pad (18 x 38 x 3)		Y5014	N/A	N/A	N/A	N/A	•	•	•	
Disconnects	30 amp, fused, 1 ph	27P37					•	•	•	
	60 amp, non-fused, 1 ph	27P39					•	•	•	
Fuses	30A	83P75					•	•	•	
	60A	83P77					•	•	•	
Hail Guards	M9GARD15Q-1	15D26					•	N/A		
	M9GARD17Q-1	15D28					N/A	•	•	N/A
	M9GARD18Q-1	15D29					N/A	N/A		•
¹ Line Sets	1/4 in. x 3/8 in. x 25 ft.	90X53					•	•	•	
	1/4 in. x 3/8 in. x 50 ft.	X0258					•	•	•	
	1/4 in. x 1/2 in. x 25 ft.	90X52					•	•	•	
	1/4 in. x 1/2 in. x 50 ft.	X0259					•	•	•	
	3/8 in. x 5/8 in. x 25 ft.	X8406					N/A	N/A		•
	3/8 in. x 5/8 in. x 50 ft.	X8407					N/A	N/A		•
Wall Brackets	30 inch	Y5020					•	N/A		
	36 inch	Y5021					N/A	•	•	•
Whips	10 Gauge - 1/2 in. x 6 ft.	29P54					•	•	•	•
	8 Gauge - 3/4 in. x 6 ft.	27P44					•	•	•	•
INDOOR UNIT										
² Diversitech Condensate Pumps with Reservoir	ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V	Y5170	•	•	•	•	N/A			
	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V	Y7946	•	•	N/A					
	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V	Y7949	•	•	•	•				
² Blue Diamond® Condensate Pumps with Reservoir	MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V	14T74	•	•	•	N/A				
	MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V	14T69	N/A		•					
	MultiTank Kit	14T75	N/A		•					
	Sensor Cable Extension - 16 ft.	14T76	•	•	•	•				
A/C Easy Tee® Condensate Cleanout		Y7947	•	•	•	•				
CONTROLS										
Wired Remote Controller (Furnished With All Ducted Models)	M0STAT61Q-1	14A66	•	•	•	•	•	•	•	
Extension Cable for Wired Remote Controller - 20 ft.		Y8008	•	•	•	•	•	•	•	
NOTE - The Wired Remote Controller above is furnished as standard with the indoor ducted models. As an option, the Wired Remote Controller can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.										
Wired Programmable Controller	M0STAT64Q-1	15D30	•	•	•	•	•	•	•	
Extension Cable for Wired Programmable Controller - 20 ft.	M0CTRL64Q-1	Y8738	•	•	•	•	•	•	•	
Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.		Y2067	•	•	•	•	•	•	•	
SPEEDICHANNEL™ SYSTEM										
SpeediChannel™ Starter Kit - 4 in.		Y3387	•	•	•	•	•	•	•	
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)		Y3388	•	•	•	•	•	•	•	
Union Coupling - 4 in.		Y3389	•	•	•	•	•	•	•	
90° Flat Bend Elbow - 4 in.		Y3390	•	•	•	•	•	•	•	
90° Inside Elbow - 4 in.		Y3391	•	•	•	•	•	•	•	
45° Flat Bend Elbow - 4 in.		Y3392	•	•	•	•	•	•	•	
Flex Joint - 4 in.		Y3393	•	•	•	•	•	•	•	
T-Joint - 4 in.		Y3394	•	•	•	•	•	•	•	
Duct End - 4 in.		Y3395	•	•	•	•	•	•	•	
Flat Wall Escutcheon - 4 in.		Y3396	•	•	•	•	•	•	•	
Wall Penetration Cover - 4 in.		Y3399	•	•	•	•	•	•	•	
Mount Block (White) Qty. 2 - 14 in.		Y3397	•	•	•	•	•	•	•	
Mount Block (White) Qty. 2 - 36 in.		Y3398	•	•	•	•	•	•	•	

¹ See Connections and Line Set Usage tables on page 10.² Y7946, Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

MULTI-ZONE SYSTEM COMBINATIONS

NOTE - For multi-zone systems, the total capacity of all indoor units must be 66% to 133% of the outdoor unit capacity.

Outdoor Unit Model No.	Number of Zones	Indoor Unit Capacity					Nominal Cooling Capacity at Rated System Capacity (Btuh)					Nominal Heating Capacity at Rated System Capacity (Btuh)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
MPB018S4M	¹ 1	012	---	---	---	---	9,000	---	---	---	---	9,500	---	---	---	---
	2	009	009	---	---	---	9,000	9,000	---	---	---	9,500	9,500	---	---	---
		009	012	---	---	---	8,500	10,500	---	---	---	9,000	11,000	---	---	---
		012	012	---	---	---	9,500	9,500	---	---	---	10,000	10,000	---	---	---
MPB030S4M	¹ 1	018	---	---	---	---	16,600	---	---	---	---	18,000	---	---	---	---
	2	009	009	---	---	---	9,500	9,500	---	---	---	10,000	10,000	---	---	---
		009	012	---	---	---	9,500	12,000	---	---	---	10,000	13,000	---	---	---
		009	018	---	---	---	8,400	16,600	---	---	---	9,000	18,000	---	---	---
		012	012	---	---	---	12,000	12,000	---	---	---	13,000	13,000	---	---	---
		012	018	---	---	---	10,000	15,000	---	---	---	11,200	16,800	---	---	---
		018	018	---	---	---	14,000	14,000	---	---	---	15,000	15,000	---	---	---
	3	009	009	009	---	---	9,000	9,000	9,000	---	---	9,500	9,500	9,500	---	---
		009	009	012	---	---	8,667	8,667	11,667	---	---	9,500	9,500	12,000	---	---
		009	012	012	---	---	8,333	8,333	13,333	---	---	9,000	9,000	14,000	---	---
		009	009	018	---	---	8,500	10,000	10,000	---	---	8,500	11,000	11,000	---	---
		012	012	012	---	---	9,667	9,667	9,667	---	---	10,667	10,667	10,667	---	---
MPB036S4M	2	009	009	---	---	---	10,000	10,000	---	---	---	10,500	10,500	---	---	---
		009	012	---	---	---	9,500	12,000	---	---	---	10,000	13,000	---	---	---
		009	018	---	---	---	9,500	17,500	---	---	---	10,000	18,000	---	---	---
		009	024	---	---	---	9,000	24,000	---	---	---	10,000	25,000	---	---	---
		012	012	---	---	---	12,000	12,000	---	---	---	13,000	13,000	---	---	---
		012	018	---	---	---	12,000	18,000	---	---	---	13,000	18,000	---	---	---
		012	024	---	---	---	11,000	23,000	---	---	---	12,000	24,000	---	---	---
		018	018	---	---	---	16,500	16,500	---	---	---	17,000	17,000	---	---	---
	3	009	009	009	---	---	9,333	9,333	9,333	---	---	9,667	9,667	9,667	---	---
		009	009	012	---	---	9,000	9,000	12,000	---	---	9,500	9,500	12,500	---	---
		009	009	018	---	---	8,000	8,000	16,000	---	---	8,500	8,500	17,000	---	---
		009	012	012	---	---	8,500	11,500	11,500	---	---	9,000	12,000	12,000	---	---
		009	012	018	---	---	8,000	11,000	15,000	---	---	8,500	11,500	16,000	---	---
		009	018	018	---	---	8,000	14,000	14,000	---	---	8,500	14,500	14,500	---	---
		012	012	012	---	---	11,333	11,333	11,333	---	---	12,000	12,000	12,000	---	---
		012	012	018	---	---	11,000	11,000	14,000	---	---	12,000	12,000	15,000	---	---
		012	018	018	---	---	9,333	13,333	13,333	---	---	10,000	14,500	14,500	---	---
	4	012	012	024	---	---	8,000	8,000	20,000	---	---	9,000	9,000	21,000	---	---
		009	009	009	009	---	9,000	9,000	9,000	9,000	---	9,500	9,500	9,500	9,500	---
		009	009	009	012	---	8,500	8,500	8,500	11,500	---	9,000	9,000	9,000	12,000	---
		009	009	009	018	---	8,000	8,000	8,000	14,000	---	8,500	8,500	8,500	14,000	---
		009	009	012	012	---	8,000	8,000	10,500	10,500	---	8,500	8,500	11,000	11,000	---
		009	009	012	018	---	7,500	7,500	9,000	14,000	---	8,000	8,000	9,500	14,500	---
		009	012	012	012	---	7,000	10,000	10,000	10,000	---	8,000	10,500	10,500	10,500	---
		012	012	012	012	---	9,500	9,500	9,500	9,500	---	10,000	10,000	10,000	10,000	---

¹ One outdoor unit may be matched with one indoor unit for single zone applications. A second indoor unit can be added at a later date for multi-zone applications.

MULTI-ZONE SYSTEM COMBINATIONS**NOTE - For multi-zone systems, the total capacity of all indoor units must be 66% to 133% of the outdoor unit capacity.**

Outdoor Unit Model No.	Number of Zones	Indoor Unit Capacity					Nominal Cooling Capacity at Rated System Capacity (Btuh)					Nominal Heating Capacity at Rated System Capacity (Btuh)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
MPB048S4M	2	009	018	---	---	---	9,500	18,000	---	---	---	10,000	18,000	---	---	---
		009	024	---	---	---	9,500	24,000	---	---	---	10,000	25,000	---	---	---
		012	012	---	---	---	12,500	12,500	---	---	---	13,000	13,000	---	---	---
		012	018	---	---	---	12,000	18,000	---	---	---	13,000	19,000	---	---	---
		012	024	---	---	---	12,000	24,000	---	---	---	10,000	25,000	---	---	---
		018	018	---	---	---	18,500	18,500	---	---	---	19,000	19,000	---	---	---
		018	024	---	---	---	17,500	22,500	---	---	---	18,000	23,000	---	---	---
		024	024	---	---	---	21,000	21,000	---	---	---	22,000	22,000	---	---	---
	3	009	009	009	---	---	9,500	9,500	9,500	---	---	11,000	11,000	11,000	---	---
		009	009	012	---	---	9,500	9,500	12,000	---	---	10,000	10,000	13,000	---	---
		009	009	018	---	---	9,500	9,500	18,000	---	---	10,000	10,000	19,000	---	---
		009	009	024	---	---	9,000	9,000	22,500	---	---	9,500	9,500	23,500	---	---
		009	012	012	---	---	9,500	12,500	12,500	---	---	10,000	10,000	13,000	---	---
		009	012	018	---	---	9,000	12,000	18,000	---	---	9,500	9,500	19,000	---	---
		009	012	024	---	---	9,000	12,000	21,500	---	---	9,500	12,500	22,000	---	---
		009	018	018	---	---	9,000	18,000	18,000	---	---	9,500	18,500	18,500	---	---
		009	018	024	---	---	8,500	15,500	21,000	---	---	9,000	16,000	21,500	---	---
		009	024	024	---	---	8,000	20,000	20,000	---	---	8,500	21,000	21,000	---	---
		012	012	012	---	---	12,000	12,000	12,000	---	---	13,000	13,000	13,000	---	---
		012	012	018	---	---	12,000	12,000	17,000	---	---	12,500	12,500	18,000	---	---
		012	018	018	---	---	11,000	11,000	22,000	---	---	11,500	11,500	23,000	---	---
		012	012	024	---	---	11,000	16,500	16,500	---	---	11,500	17,000	17,000	---	---
		012	018	024	---	---	10,500	15,500	21,500	---	---	11,000	16,000	22,000	---	---
		012	024	024	---	---	10,000	20,000	20,000	---	---	11,000	20,500	20,500	---	---
		018	018	018	---	---	16,000	16,000	16,000	---	---	16,500	16,500	16,500	---	---
		018	018	024	---	---	15,000	15,000	20,000	---	---	15,500	15,500	21,000	---	---

¹ One outdoor unit may be matched with one indoor unit for single zone applications. A second indoor unit can be added at a later date for multi-zone applications.

MULTI-ZONE SYSTEM COMBINATIONS**NOTE - For multi-zone systems, the total capacity of all indoor units must be 66% to 133% of the outdoor unit capacity.**

Outdoor Unit Model No.	Number of Zones	Indoor Unit Capacity					Nominal Cooling Capacity at Rated System Capacity (Btuh)					Nominal Heating Capacity at Rated System Capacity (Btuh)				
		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5
MPB048S4M	4	009	009	009	009	---	9,250	9,250	9,250	9,250	---	9,500	9,500	9,500	9,500	---
		009	009	009	012	---	9,000	9,000	9,000	12,000	---	9,500	9,500	9,500	12,500	---
		009	009	009	018	---	9,000	9,000	9,000	17,000	---	9,500	9,500	9,500	17,500	---
		009	009	009	024	---	8,500	8,500	8,500	20,500	---	9,000	9,000	9,000	21,000	---
		009	009	012	012	---	9,000	9,000	12,000	12,000	---	9,500	9,500	13,000	13,000	---
		009	009	012	018	---	9,000	9,000	11,000	17,000	---	9,500	9,500	11,500	17,500	---
		009	009	012	024	---	8,500	8,500	10,500	20,500	---	9,000	9,000	11,100	21,000	---
		009	009	018	018	---	8,500	8,500	15,500	15,500	---	9,000	9,000	16,000	16,000	---
		009	009	018	024	---	8,000	8,000	14,500	20,000	---	8,500	8,500	15,000	20,000	---
		009	012	012	012	---	9,000	12,000	12,000	12,000	---	9,500	12,500	12,500	12,500	---
		009	012	012	018	---	9,000	11,000	11,000	16,000	---	9,500	11,500	11,500	16,500	---
		009	012	012	024	---	8,500	10,000	10,000	20,000	---	9,000	10,500	10,500	20,500	---
		009	012	018	018	---	8,500	10,000	15,000	15,000	---	9,000	10,500	15,500	15,500	---
		009	018	018	018	---	8,000	14,000	14,000	14,000	---	8,500	14,500	14,500	14,500	---
		012	012	012	012	---	12,000	12,000	12,000	12,000	---	12,500	12,500	12,500	12,500	---
		012	012	012	018	---	11,000	11,000	11,000	16,000	---	11,500	11,500	11,500	16,500	---
		012	012	012	024	---	10,000	10,000	10,000	20,000	---	10,500	10,500	10,500	20,500	---
		012	012	018	018	---	10,000	10,000	15,000	15,000	---	10,500	10,500	15,500	15,500	---
	5	009	009	009	009	009	9,000	9,000	9,000	9,000	9,000	9,500	9,500	9,500	9,500	9,500
		009	009	009	009	012	9,000	9,000	9,000	9,000	12,000	9,500	9,500	9,500	9,500	13,000
		009	009	009	009	018	8,500	8,500	8,500	8,500	16,000	9,000	9,000	9,000	9,000	16,500
		009	009	009	009	024	7,750	7,750	7,750	7,750	19,500	8,000	8,000	8,000	8,000	20,000
		009	009	009	012	012	9,000	9,000	9,000	11,500	11,500	9,500	9,500	9,500	12,000	12,000
		009	009	009	012	018	8,000	8,000	8,000	11,000	16,000	8,500	8,500	8,500	11,500	16,500
		009	009	009	018	018	8,000	8,000	8,000	11,000	16,000	8,500	8,500	8,500	16,500	16,500
		009	009	012	012	012	8,500	8,500	11,000	11,000	11,000	9,000	9,000	12,000	12,000	12,000
		009	009	012	012	018	8,500	8,500	10,000	10,000	15,000	8,500	8,500	10,500	10,500	15,500
		009	012	012	012	012	8,000	11,000	11,000	11,000	11,000	8,500	11,500	11,500	11,500	11,500
		009	012	012	012	018	7,500	10,000	10,000	10,000	14,500	8,000	10,500	10,500	10,500	15,000
		012	012	012	012	012	10,500	10,500	10,500	10,500	10,500	11,000	11,000	11,000	11,000	11,000

¹ One outdoor unit may be matched with one indoor unit for single zone applications. A second indoor unit can be added at a later date for multi-zone applications.

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.

CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MPB018S4M Indoor Unit A 1/4" liq + 3/8" gas Indoor Unit B 1/4" liq + 3/8" gas	1	012 (A)	¹ 1/4 in. x 1/2 in.
	2	009 (A) 009 (B)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in.
	2	009 (B) 012 (A)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in.
	2	012 (A) 012 (B)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
MPB030S4M Indoor Unit A 1/4" liq + 3/8" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas	1	018 (A)	¹ 1/4 in. x 1/2 in.
	2	009 (A) 009 (B)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in.
	2	009 (B) 012 (A)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in.
	2	009 (B) 018 (A)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in.
	2	012 (A) 012 (B)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	2	012 (B) 018 (A)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	2	018 (A) 018 (B)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	009 (A) 009 (B) 009 (C)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in.
	3	009 (B) 009 (C) 012 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in.
	3	009 (C) 012 (A) 012 (B)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	009 (B) 009 (C) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in.
	3	012 (A) 012 (B) 012 (C)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
MPB036S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	2	009 (B) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	2	009 (B) 024 (A)	1/4 in. x 3/8 in. ^{2,3} 3/8 in. x 5/8 in.
	2	012 (A) 012 (B)	1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	2	012 (B) 018 (A)	¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	2	012 (B) 024 (A)	¹ 1/4 in. x 1/2 in. ^{2,3} 3/8 in. x 5/8 in.
	2	018 (A) 018 (B)	1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	009 (B) 009 (C) 009 (D)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in.
	3	009 (B) 009 (C)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in.
	3	012 (A)	1/4 in. x 1/2 in.
	3	012 (A)	1/4 in. x 1/2 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

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CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MPB036S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	3	009 (B) 009 (C) 012 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	3	009 (B) 009 (C) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	3	009 (C) 012 (A) 012 (B)	1/4 in. x 3/8 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	009 (C) 012 (B) 018 (A)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	3	009 (C) 018 (A) 018 (B)	1/4 in. x 3/8 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	012 (A) 012 (B) 012 (C)	1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	012 (C) 012 (B) 018 (A)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	3	012 (C) 018 (A) 018 (B)	¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	3	012 (B) 012 (C) 024 (A)	¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ^{2,3} 3/8 in. x 5/8 in.
	4	009 (B) 009 (C) 009 (D) 009 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. ¹ 1/4 in. x 3/8 in.
	4	009 (B) 009 (C) 009 (D) 012 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	4	009 (B) 009 (C) 009 (D) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	4	009 (C) 009 (D) 012 (A) 012 (B)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	4	009 (C) 009 (D) 012 (B) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MPB036S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	4	009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	¹ 1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
	4	012 (A)	1/4 in. x 1/2 in.
		012 (B)	¹ 1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
		012 (D)	¹ 1/4 in. x 1/2 in.
	2	009 (B)	¹ 1/4 in. x 3/8 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	2	012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	2	012 (B)	1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
MPB048S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 1/2" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas Indoor Unit E 1/4" liq + 3/8" gas	3	009 (A)	¹ 1/4 in. x 3/8 in.
		009 (B)	¹ 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
	3	009 (B)	¹ 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	009 (B)	¹ 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MPB048S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 1/2" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas Indoor Unit E 1/4" liq + 3/8" gas	3	009 (C)	1/4 in. x 3/8 in.
		018 (B)	1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
		024 (B)	^{2,3} 3/8 in. x 5/8 in.
	3	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
	3	012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	012 (C)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	¹ 1/4 in. x 1/2 in.
	3	012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	3	012 (B)	1/4 in. x 1/2 in.
		018 (C)	¹ 1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MPB048S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 1/2" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas Indoor Unit E 1/4" liq + 3/8" gas	4	009 (B) 009 (C) 009 (D) 024 (A)	¹ 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. ^{2,3} 3/8 in. x 5/8 in.
	4	009 (C) 009 (D) 012 (A) 012 (B)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	4	009 (C) 009 (D) 012 (B) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	4	009 (C) 009 (D) 018 (A) 018 (B)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	4	009 (C) 009 (D) 018 (B) 024 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. ^{2,3} 3/8 in. x 5/8 in.
	4	009 (D) 012 (A) 012 (B) 012 (C)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	4	009 (D) 012 (B) 012 (C) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	4	009 (D) 012 (C) 018 (A) 018 (B)	1/4 in. x 3/8 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	4	012 (A) 012 (B) 012 (C) 012 (D)	1/4 in. x 1/2 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	4	012 (B) 012 (C) 012 (D) 018 (A)	1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	5	009 (A) 009 (B) 009 (C) 009 (D) 009 (E)	¹ 1/4 in. x 3/8 in. ¹ 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MPB048S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 1/2" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas Indoor Unit E 1/4" liq + 3/8" gas	5	009 (B) 009 (C) 009 (D) 009 (E) 012 (A)	¹ 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	5	009 (B) 009 (C) 009 (D) 009 (E) 018 (A)	¹ 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in.
	5	009 (B) 009 (C) 009 (D) 009 (E) 024 (A)	¹ 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. ^{2,3} 3/8 in. x 5/8 in.
	5	009 (C) 009 (D) 009 (E) 012 (A) 012 (B)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	5	009 (C) 009 (D) 009 (E) 012 (B) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	5	009 (D) 009 (E) 012 (A) 012 (B) 012 (C)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	5	009 (D) 009 (E) 012 (B) 012 (C) 018 (A)	1/4 in. x 3/8 in. 1/4 in. x 3/8 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. 1/4 in. x 1/2 in.
	5	009 (E) 012 (A) 012 (B) 012 (C) 012 (D)	1/4 in. x 3/8 in. 1/4 in. x 1/2 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.
	5	012 (A) 012 (B) 012 (C) 012 (D) 012 (E)	1/4 in. x 1/2 in. 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in. ¹ 1/4 in. x 1/2 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the 048 outdoor unit (furnished with outdoor unit).

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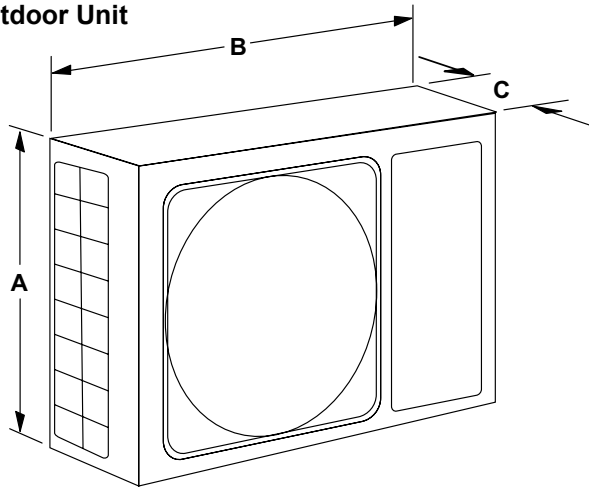
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DIMENSIONS

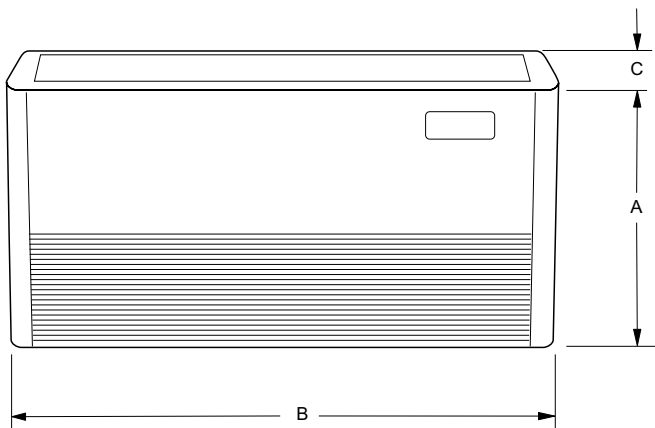
Outdoor Unit



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MPB018S4M	27-5/8	702	36	914	15	381
MPB030S4M, MPB036S4M	31-7/8	810	40-5/8	1032	17-7/8	454
MPB048S4M	52-1/2	1334	41-3/4	1060	16-3/8	416

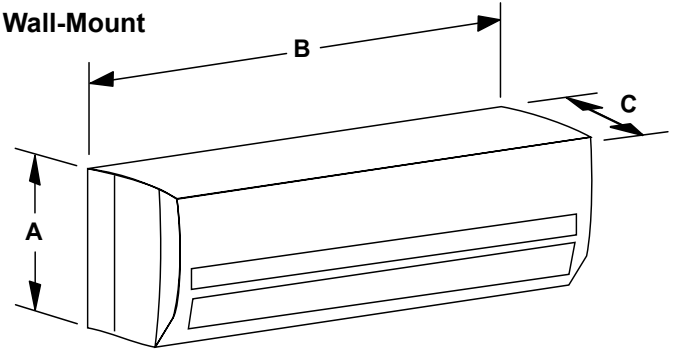
NOTE - MPB048 has two fans.

Ceiling/Floor



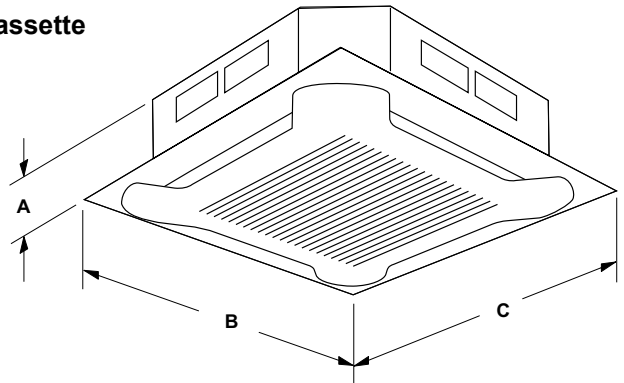
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235

Wall-Mount



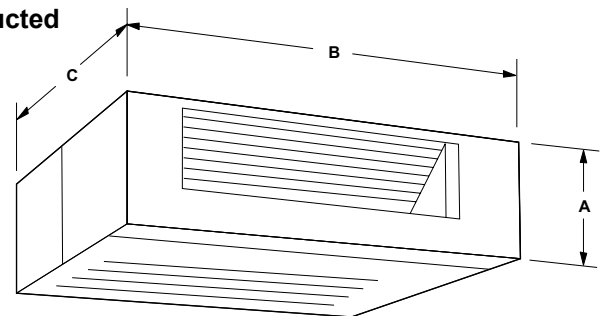
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA009S4, MWMA012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4	13-1/2	343	46-3/4	1187	10-1/4	260

Cassette



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
M22A009S4, M22A012S4, M22A018S4	10-3/8	264	25-1/2	648	25-1/2	648
M33A024S4	8-1/8	206	37-3/8	949	37-3/8	949

Ducted



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MMDB009S4, MMDB012S4	7-7/8	200	30-3/4	781	19-7/8	505
MMDB018S4	8-1/4	210	37-7/8	962	26-1/2	673
MMDB024S4	9-3/4	248	46-1/2	1181	30-1/2	775

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MINI-SPLIT SYSTEMS MPB

PRODUCT CATALOG

Single-Zone Heat Pump System - R-410A
SEER - Up to 24.50
HSPF - Up to 11.5

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February 2018

Supersedes January 2018

FEATURES

OUTDOOR UNITS

Compressor

Variable frequency rotary compressor

Compressor crankcase heater

Controls

DC inverter control

Outdoor unit microprocessor

Electronic expansion valve

Compressor overcurrent protection

Condenser high temperature protection

High pressure discharge temperature protection

Intelligent Power Module (IPM) Protection

Low and high voltage protection

Terminal strip

Defrost control

Reversing valve

Outdoor Unit Cabinet

Heavy gauge steel

Condensate drain outlets

Pan heater

Access cover for power and control wiring

Access cover for service valves

INDOOR UNITS

Wall-Mount

Cassette

Ceiling/Floor Mount

Medium Static Ducted

Blower

Multi-speed fan

Filter

Cleanable filter

Controls

Indoor unit microprocessor

LED Readout

Auto restart

Cooling override

Terminal strip

Indoor coil freeze protection



Time delay

Auto operation

Condensate Pump

Furnished with Cassette and Ducted models

CONTROLS (FURNISHED)

Wireless Remote Control -

Furnished with Wall-Mounted Indoor Units, Cassette Indoor Units and Ceiling/Floor Indoor Units

Wired Remote Control - Furnished with Ducted Indoor Units

NOTE - As an option, a wired control can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.

LIMITED WARRANTY

Compressor - seven years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS

See page 24

ACCESSORIES

See page 22

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Indoor Unit

- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Kits And Tools

- Universal Mini-Split Installation Kit
- Speedichannel™ System

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SPECIFICATIONS - MPB OUTDOOR UNITS		0.75 - 1.5 TON		
Nominal Size - Tons		0.75	1	1.5
Outdoor Unit Model No.		MPB009S4S	MPB012S4S	MPB018S4S
Ambient Temperature Operating Range - °F	Cooling	-13 - 122	-13 - 122	-13 - 122
	Heating	-13 - 86	-13 - 86	-13 - 86
Energy Star		Yes	Yes	Yes
Sound Data (dBA)	Cooling/Heating (115V)	52.5	52.5	---
	Cooling/Heating (208/230V)	55	55	60
Refrigerant (R-410A)	Charge furnished (115V)	2 lbs. 12 oz.	2 lbs. 12 oz.	---
	Charge furnished (208/230V)	2 lbs. 7 oz.	2 lbs. 9 oz.	4 lbs. 5 oz.
Maximum line length with furnished charge - ft.		25	25	25
Additional charge required per ft. - oz.		0.16	0.16	0.16
Compressor	No. and Type	(1) Rotary	(1) Rotary	(1) Rotary
	Refrigerant oil type	Ester Oil VG74	Ester Oil VG74	Ester Oil VG74
	Refrigerant oil charge - oz.	12.5	12.5	15.2
Connections - in.	Liquid/Gas pipe (flare)	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2
	Maximum refrigerant pipe length - ft.	82	82	98
	Max. difference in level of indoor unit - ft.	33	33	66
Outdoor Fan	(No.) Diameter - in.	(1) 17	(1) 17	(1) 19
	Total air volume - cfm	1200	1200	1470
	rpm	800/750/650	800/700/650	850/750/700
Outdoor Coil	Number of rows	2	2	2
	Fins per inch	21 (115V) 18 (208/230V)	21	18
	Fin type	Hydrophilic aluminium		
	Tube outside diameter - in.	5/16	5/16	5/16
	Tube type	Rifled copper tubing		
	Net face area - ft. ² (115V)	4.66	4.66	---
	Net face area - ft. ² (208/230V)	4.09	4.66	5.19
	Application area - sq. ft.	130 - 195	170 - 250	260 - 375
	Design Pressure PSIG	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.) (115V)	80 / 86	80 / 86	---
	(208/230V)	62 / 67	77 / 83	107 / 113

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase	115V	208/230V	115V	208/230V	208/230V
¹ Maximum Overcurrent Protection (amps)	20	15	20	15	20
² Minimum circuit ampacity	15	10	15	12	15
Compressor Rated load amps	9	5.5	9	6.8	10.5
Outdoor Fan Motor	Rated load amps	0.6	0.4	0.6	0.6
	Output - W	40	40	40	50

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

¹ HACR type circuit breaker or fuse.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

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SPECIFICATIONS - MPB OUTDOOR UNITS				2 - 4 TON	
Nominal Size - Tons		2	2.5	3	4
Outdoor Unit Model No.		MPB024S4S	MPB030S4S	MPB036S4S	MPB048S4S
Ambient Temperature Operating Range - °F	Cooling	−13 - 122	−13 - 122	−13 - 122	−13 - 122
	Heating	−13 - 86	−13 - 86	−13 - 86	−13 - 86
Energy Star		Yes	No	No	No
Sound Data (dBA)	Cooling/Heating	61	59	66	62.5
Refrigerant (R-410A)	Charge furnished	5 lbs. 3 oz.	5 lbs. 11 oz.	6 lbs. 12 oz.	9 lbs. 4 oz.
	Maximum line length with furnished charge - ft.	25	25	25	25
	Additional charge required per ft. - oz.	0.32	0.32	0.32	0.32
Compressor	No. and Type	(1) Rotary	(1) Rotary	Twin-Rotary	Twin-Rotary
	Refrigerant oil type	POE Oil VG74	POE Oil VG74	POE Oil VG74	Ester Oil VG74
	Refrigerant oil charge - oz.	22.7	22.7	33.8	47.3
Connections - in.	Liquid/Gas pipe (flare)	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
	Maximum refrigerant pipe length - ft.	164	164	213	213
	Max. difference in level of indoor unit - ft.	82	82	98	98
Outdoor Fan(s)	(No.) Diameter - in.	(1) 20	(1) 20	(1) 20	(2) 22
	Total air volume - cfm	2235	2130	2530	4470
	rpm	810/700/500	810/700/500	950	(2) 900
Outdoor Coil	Number of rows	2.6	2.6	2	2
	Fins per inch	18	18	19	18
	Fin type	Hydrophilic aluminium			
	Tube outside diameter - in.	5/16	5/16	3/8	3/8
	Tube type	Rifled copper tubing			
	Net face area - ft. ²	8.24	8.24	8.24	6.43 (inner coil) / 6.97 (outer coil)
	Application area - sq. ft.	345 - 505	430 - 630	515 - 755	690 - 1010
Design Pressure	PSIG	550/340	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.)	137 / 149	149 / 161	149 / 161	218 / 246
ELECTRICAL DATA					
Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V	208/230V	208/230V
¹ Maximum Overcurrent Protection (amps)		25	30	50	50
² Minimum circuit ampacity		18	20	30	35
Compressor Rated load amps		12	15	22	23.5
Outdoor Fan Motor	Rated load amps	0.6	0.6	1.0	(2) 0.39
	Output - W	120	120	120	(2) 85

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

¹ HACR type circuit breaker or fuse.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

	Model No.	MWMB009S4	MWMA009S4	MWMB012S4	MWMA012S4
	Nominal Tons	0.75	0.75	1	1
Power Supply - 60 hz - 1 phase		115V	208/230V	115V	208/230V
Rated load amps		0.25	0.06	0.25	0.06
Output (W)		20	20	20	20
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		365/265/195	370/270/195	365/265/195	370/275/200
Sound Data (dBA) - Low/Medium/High		24/33/42	26.5/33.4/41.7	24/33/42	28.6/35.8/45.1
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		20 / 26	20 / 26	20 / 26	20 / 27

SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

Model No.	MWMA018S4	MWMA024S4	MWMB030S4
Nominal Tons	1.5	2	2.5
Power Supply - 60 hz - 1 phase		208/230V	208/230V
Rated load amps		0.13	0.3
Output (W)		58	60
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90
	Heating	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		530/410/295	695/625/485
Sound Data (dBA) - Low/Medium/High		30.9/36.3/46.2	35.1/44.5/51.7
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1
Net/Shipping weights - lbs.		27 / 35	40 / 54

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SPECIFICATIONS - CASSETTE INDOOR UNITS

Model No.		M22A009S4	M22A012S4	M22A018S4
Nominal Tons		0.75	1	1.5
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V
Rated load amps		0.9	1.0	1.5
Output (W)		46	46	46
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		375/300/255	380/310/260	560/485/415
Sound Data (dBA) - Low/Medium/High		33/37/41	36/39/43	36/39/44
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2
Drain connection o.d. - in.		1	1	1
Net/Shipping weights - lbs.	Body	32 / 38	36 / 41	36 / 42

REQUIRED COMPONENTS - ORDERED SEPARATELY

Cassette Panel	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)
Net/Shipping weights - lbs.	6 / 10	6 / 10	6 / 10


SPECIFICATIONS - CASSETTE INDOOR UNITS

Model No.		M33A024S4	M33A036S4	M33B048S4
Nominal Tons		2	3	4
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V
Rated load amps		2.0	1.5	1.6
Output (W)		42	124	170
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		700/635/575	1095/960/810	1175/1030/855
Sound Data (dBA) - Low/Medium/High		43/47/51	49/52/55	49/52/55
Piping Connections - Liquid/Gas - o.d. - flare - in.		3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
Drain connection o.d. - in.		1-1/4	1-1/4	1-1/4
Net/Shipping weights - lbs.	Body	47 / 55	58 / 66	64 / 73

REQUIRED COMPONENTS - ORDERED SEPARATELY

Cassette Panel	13X05 (M0STAT63Q-1)	13X05 (M0STAT63Q-1)	13X05 (M0STAT63Q-1)
Net/Shipping weights - lbs.	12 / 18	12 / 18	12 / 18

SPECIFICATIONS - CEILING/FLOOR MOUNT INDOOR UNITS

	Model No.	MCFB018S4	MCFA024S4	MCFA036S4	MCFA048S4
	Nominal Tons	1.5	2	3	4
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		1.5	2	1.5	1.8
Output (W)		55	55	115	(2) 90
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		580/520/465	760/710/600	1035/915/640	1350/1120/1000
Sound Data (dBA) - Low/Medium/High		39/44/47	42/48/53	43/49/54	52/54/57
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		55 / 66	59 / 70	69 / 82	84 / 97

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SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

Model No.	MMDB009S4	MMDB012S4	MMDB018S4
Nominal Tons	0.75	1	1.5
Power Supply - 60 hz - 1 phase	208/230V	208/230V	208/230V
Rated load amps	1.11	1.11	1.2
Output (W)	55	55	160
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90
	Heating	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)	355/285/175	355/285/175	530/450/370
External Static Pressure (in. w.g)	0 - 0.16	0 - 0.16	0 - 0.40
Sound Data (dBA) - Low/Medium/High	25/32/38	26/33.5/38	35/37/39
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2
Drain connection o.d. - in.	1	1	1
Net/Shipping weights - lbs.	38 / 49	38 / 49	54 / 66

SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

Model No.	MMDB024S4	MMDB036S4	MMDB048S4
Nominal Tons	2	3	4
Power Supply - 60 hz - 1 phase	208/230V	208/230V	208/230V
Rated load amps	1.5	1.6	2
Output (W)	160	300	560
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90
	Heating	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)	775/695/435	1080/910/705	1230/1030/715
External Static Pressure (in. w.g)	0 - 0.64	0 - 0.64	0 - 0.64
Sound Data (dBA) - Low/Medium/High	36/41/44	39/42.5/45.5	46/48.5/50.5
Piping Connections - Liquid/Gas - o.d. - flare - in.	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
Drain connection o.d. - in.	1	1	1
Net/Shipping weights - lbs.	87 / 103	106 / 122	120 / 142

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Catalog No.	Size						
			09	12	18	24	30	36	48
OUTDOOR UNIT									
Condenser Pad (18 x 38 x 3)		Y5014	•	•	•	•	•	•	•
Disconnects	30 amp, fused, 1 ph	27P37	•	•	•	•	•	•	•
	60 amp, non-fused, 1 ph	27P39	•	•	•	•	•	•	•
Fuses	30A	83P75	•	•	•	•	•	•	•
	60A	83P77	•	•	•	•	•	•	•
Hail Guards	(for “09” 115V and all “12” models only) M9GARD14Q-1	15D25	•	•	N/A				
	(for “09” 208/230V model only) M9GARD19Q-1	15D32	•	N/A					
	M9GARD15Q-1	15D26	N/A		•	N/A			
	M9GARD17Q-1	15D28	N/A			•	•	•	N/A
	M9GARD18Q-1	15D29	N/A						•
Line Sets	1/4 in. x 3/8 in. x 25 ft.	90X53	•	N/A					
	1/4 in. x 3/8 in. x 50 ft.	X0258	•	N/A					
	1/4 in. x 1/2 in. x 25 ft.	90X52	N/A	•	•	N/A			
	1/4 in. x 1/2 in. x 50 ft.	X0259	N/A	•	•	N/A			
	3/8 in. x 5/8 in. x 25 ft.	X8406	N/A			•	•	•	•
	3/8 in. x 5/8 in. x 50 ft.	X8407	N/A			•	•	•	•
Wall Brackets	30 inch	Y5020	•	•	•	•	N/A		
	36 inch	Y5021	N/A				•	•	•
Whips	10 Gauge - 1/2 in. x 6 ft.	29P54	•	•	•	•	•	•	•
	8 Gauge - 3/4 in. x 6 ft.	27P44	•	•	•	•	•	•	•
INDOOR UNIT									
¹ Diversitech ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V		Y5170	•	•	•	•	•	•	•
	Condensate Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V	Y7946	•	•	N/A				
	Pumps with Reservoir Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V	Y7949	•	•	•	•	•	•	•
¹ Blue Diamond® MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V		14T74	•	•	•	N/A			
	Condensate MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V	14T69	N/A			•	•	•	N/A
	Pumps with MegaBlue® - 13.2 US gallons per hour, 23 ft. lift - 110v-230V	14T71	N/A						•
	Reservoir MultiTank Kit	14T75	N/A			•	•	•	•
	Sensor Cable Extension - 16 ft.	14T76	•	•	•	•	•	•	•
A/C Easy Tee® Condensate Cleanout		Y7947	•	•	•	•	•	•	•
CONTROLS									
Wired Remote Controller (Furnished With All Ducted Models) M0STAT61Q-1		14A66	•	•	•	•	•	•	•
Extension Cable for Wired Remote Controller - 20 ft.		Y8008	•	•	•	•	•	•	•
NOTE - The Wired Remote Controller above is furnished as standard with the indoor ducted models. As an option, the Wired Remote Controller can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.									
Wired Programmable Controller M0STAT64Q-1		15D30	•	•	•	•	•	•	•
Extension Cable for Wired Programmable Controller - 20 ft. M0CTRL64Q-1		Y8738	•	•	•	•	•	•	•
Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.		Y2067	•	•	•	•	•	•	•
SPEEDICHANNEL™ SYSTEM									
SpeediChannel™ Starter Kit - 4 in.		Y3387	•	•	•	•	•	•	•
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)		Y3388	•	•	•	•	•	•	•
Union Coupling - 4 in.		Y3389	•	•	•	•	•	•	•
90° Flat Bend Elbow - 4 in.		Y3390	•	•	•	•	•	•	•
90° Inside Elbow - 4 in.		Y3391	•	•	•	•	•	•	•
45° Flat Bend Elbow - 4 in.		Y3392	•	•	•	•	•	•	•
Flex Joint - 4 in.		Y3393	•	•	•	•	•	•	•
T-Joint - 4 in.		Y3394	•	•	•	•	•	•	•
Duct End - 4 in.		Y3395	•	•	•	•	•	•	•
Flat Wall Escutcheon - 4 in.		Y3396	•	•	•	•	•	•	•
Wall Penetration Cover - 4 in.		Y3399	•	•	•	•	•	•	•
Mount Block (White) Qty. 2 - 14 in.		Y3397	•	•	•	•	•	•	•
Mount Block (White) Qty. 2 - 36 in.		Y3398	•	•	•	•	•	•	•

¹ Y7946, Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

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AHRI SYSTEM MATCHES

Indoor Unit Type	Outdoor Unit	Indoor Unit	Cooling Capacity	SEER	EER	Heat Capacity		HSPF (IV)	AHRI Reference
						High	Low		
Wall-Mounted Non-Ducted	MPB009S4S-1L	MWMB009S4-1L	9,500	24.5	15.0	11,000	6,500	11.2	10056167
	MPB012S4S-1L	MWMB012S4-1L	12,000	22.0	13.0	12,000	7,600	10.2	10056168
	MPB009S4S-1P	MWMA009S4-1P	9,000	23.5	14.9	9,800	5,800	10.8	10056169
	MPB009S4S-1P	MWMA009S4-2P	9,000	23.5	14.9	9,800	5,800	10.8	10056170
	MPB012S4S-1P	MWMA012S4-1P	12,000	22.7	13.7	12,000	7,700	11	10056171
	MPB012S4S-1P	MWMA012S4-2P	12,000	22.7	13.7	12,000	7,700	11	10056172
	MPB018S4S-1P	MWMA018S4-1P	18,000	21.0	13.0	18,000	11,400	10.4	10056173
	MPB018S4S-1P	MWMA018S4-2P	18,000	21.0	13.0	18,000	11,400	10.4	10056174
	MPB024S4S-1P	MWMA024S4-1P	24,000	20.7	13.7	25,000	15,300	11.5	10056175
	MPB024S4S-1P	MWMA024S4-2P	24,000	20.7	13.7	25,000	15,300	11.5	10056176
	MPB030S4S-1P	MWMB030S4-1P	30,000	19.8	11.5	30,000	18,500	9.4	10056177
Cassette Non-Ducted	MPB009S4S-1P	M22A009S4-1P	9,000	20.0	13.0	10,000	5,800	10.5	10058830
	MPB009S4S-1P	M22A009S4-2P	9,000	20.0	13.0	10,000	5,800	10.5	10058831
	MPB012S4S-1P	M22A012S4-1P	12,000	21.5	14.0	12,000	7,500	10.5	10058832
	MPB012S4S-1P	M22A012S4-2P	12,000	21.5	14.0	12,000	7,500	10.5	10058833
	MPB018S4S-1P	M22A018S4-1P	18,000	20.0	12.5	18,000	12,000	10.3	10058834
	MPB018S4S-1P	M22A018S4-2P	18,000	20.0	12.5	18,000	12,000	10.3	10058835
	MPB024S4S-1P	M33A024S4-1P	24,000	20.0	12.5	24,400	15,800	10.5	10058836
	MPB024S4S-1P	M33A024S4-2P	24,000	20.0	12.5	24,400	15,800	10.5	10058837
	MPB036S4S-1P	M33A036S4-1P	36,000	17.5	9.0	38,000	25,200	10.5	10058838
	MPB048S4S-1P	M33B048S4-1P	48,000	16.8	9.5	50,000	35,000	11	10058839
Ceiling/Floor Mount Non-Ducted	MPB018S4S-1P	MCFB018S4-2P	18,000	20.0	12.5	18,000	12,000	10.5	10058825
	MPB024S4S-1P	MCFA024S4-1P	24,000	20.0	12.5	24,000	15,000	11	10058826
	MPB024S4S-1P	MCFA024S4-2P	24,000	20.0	12.5	24,000	15,000	11	10058827
	MPB036S4S-1P	MCFA036S4-1P	36,000	16.0	8.0	38,000	25,400	10	10058828
	MPB048S4S-1P	MCFA048S4-1P	48,000	17.8	9.3	50,000	35,000	11	10058829
Medium Static Ducted	MPB009S4S-1P	MMDB009S4-2P	9,000	20.5	13.5	10,000	6,800	11.5	
	MPB012S4S-1P	MMDB012S4-2P	12,000	21.5	12.5	12,000	7,200	11.5	
	MPB018S4S-1P	MMDB018S4-2P	18,000	19.0	12.5	18,000	12,000	10.5	
	MPB024S4S-1P	MMDB024S4-2P	24,000	21.0	12.5	24,400	16,000	11	
	MPB036S4S-1P	MMDB036S4-1P	36,000	16.5	9.0	40,000	27,600	11.5	
	MPB048S4S-1P	MMDB048S4-1P	48,000	17.4	9.2	49,500	33,400	10.3	

Ratings are AHRI certified to AHRI Standard 210/240-2008;

- Cooling Ratings - 80°F dry bulb/67°F wet bulb entering indoor coil air and 95°F wet bulb/75°F dry bulb outdoor air temperature.
- High Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 47°F dry bulb/43°F wet bulb outdoor air temperature.
- Low Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 17°F dry bulb/15°F wet bulb outdoor air temperature.

To convert HSPF from Region IV to Region V - Divide by 1.15.

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.

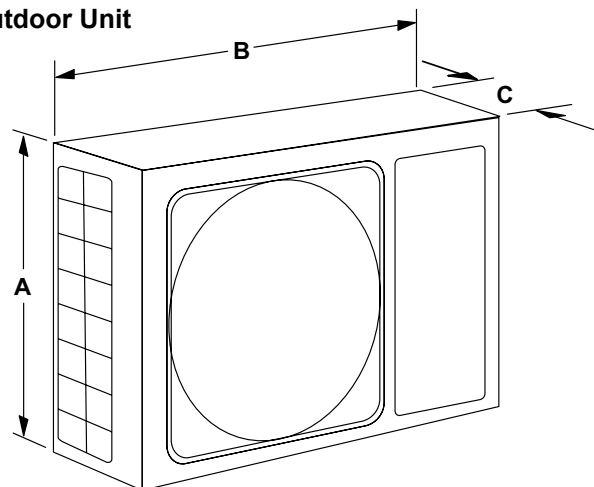
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DIMENSIONS

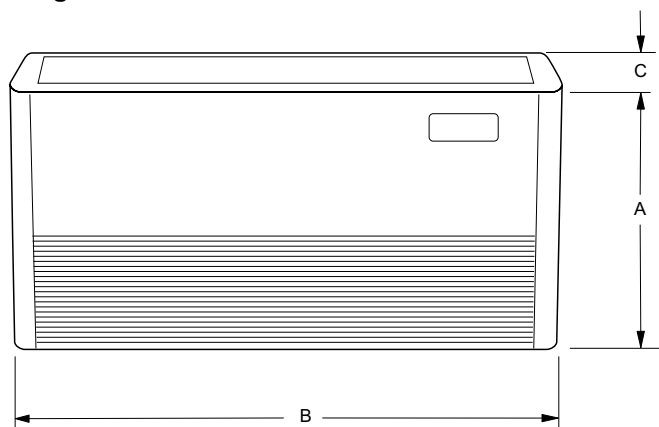
Outdoor Unit



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MPB009S4S (115V), MPB012S4S	21-7/8	556	34-1/4	870	14-3/8	365
MPB009S4S (230V)	21-7/8	556	33-1/8	841	12-5/8	321
MPB018S4S	27-1/2	699	33-1/4	845	13	330
MPB024S4S, MPB030S4S, MPB036S4S	31-7/8	810	37-1/4	946	17-7/8	454
MPB048S4S	52-1/2	1334	41-1/8	1045	16-3/8	416

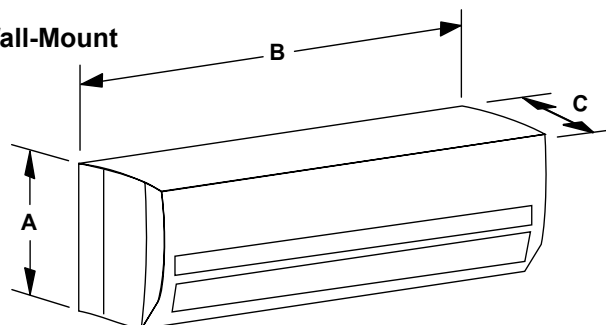
NOTE - MPB048 has two fans.

Ceiling/Floor



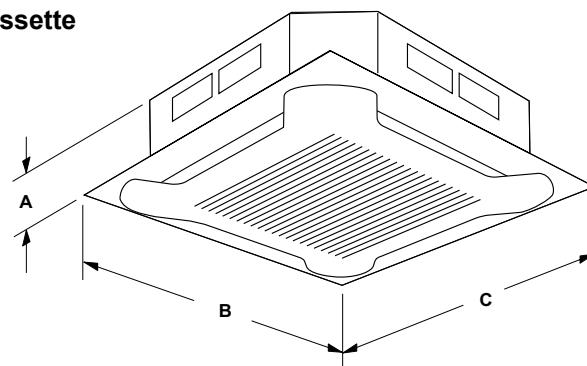
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235
MCFA036S4	26-5/8	676	50-5/8	1286	9-1/4	235
MCFA048S4	26-5/8	676	65	1651	9-1/4	235

Wall-Mount



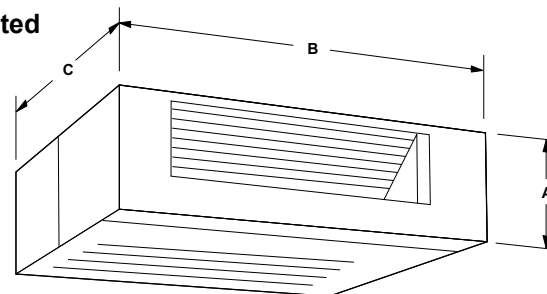
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA/B009S4, MWMA/B012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4, MWMA030S4	13-1/2	343	46-3/4	1187	10-1/4	260

Cassette



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
M22A009S4, M22A012S4, M22A018S4	10-3/8	264	25-1/2	648	25-1/2	648
M33A024S4	8-1/8	206	37-3/8	949	37-3/8	949
M33A036S4	9-5/8	244	37-3/8	949	37-3/8	949
M33B048S4	11-1/4	286	37-3/8	949	37-3/8	949

Ducted



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MMDB009S4, MMDB012S4	7-7/8	200	30-3/4	781	19-7/8	505
MMDB018S4	8-1/4	210	37-7/8	962	26-1/2	673
MMDB024S4	9-3/4	248	46-1/2	1181	30-1/2	775
MMDB036S4	9-3/4	249	56-3/4	1441	30-1/2	775
MMDB048S4	11-7/8	302	50-1/2	1283	34-3/8	873

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PRODUCT CATALOG

Multi-Zone Low Ambient Heat Pump System - R-410A
SEER - Up to 22.00
HSPF - Up to 10.5

Page 25

February 2018

Supersedes January 2018

FEATURES

OUTDOOR UNITS

Zoning

Multi-zone heat pumps allow up to four indoor units (four zones) to be connected to one outdoor unit.

Compressor

Variable frequency rotary compressor

Compressor crankcase heater

Controls

DC inverter control

Outdoor unit microprocessor

Electronic expansion valve

Compressor overcurrent protection

Condenser high temperature protection

High pressure discharge temperature protection

Intelligent Power Module (IPM) Protection

Low and high voltage protection

Terminal strip

Defrost control

Reversing valve

Outdoor Unit Cabinet

Heavy gauge steel

Condensate drain outlets

Pan heater

Access cover for power and control wiring

Access cover for service valves

INDOOR UNITS

Wall-Mount

Cassette

Ceiling/Floor Mount

Medium Static Ducted

Blower

Multi-speed fan

Filter

Cleanable filter

Controls

Indoor unit microprocessor

LED Readout



Auto restart

Cooling override

Terminal strip

Indoor coil freeze protection

Time delay

Auto operation

Condensate Pump

Furnished with Cassette and Ducted models

CONTROLS (FURNISHED)

Wireless Remote Control -

Furnished with Wall-Mounted Indoor Units, Cassette Indoor Units and Ceiling/Floor Indoor Units

Wired Remote Control - Furnished with Ducted Indoor Units

NOTE - As an option, a wireless control can be ordered for a ducted indoor unit and a wired control can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.

LIMITED WARRANTY

Compressor - seven years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS

See page 33

ACCESSORIES

See page 33

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Indoor Unit

- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Kits And Tools

- Universal Mini-Split Installation Kit
- Speedichannel™ System

SPECIFICATIONS - MLA OUTDOOR UNITS

Nominal Size - Tons Outdoor Unit Model No. Number of Zones		1.5		2.5		3		
		MLA018S4M		MLA030S4M		MLA036S4M		
		2		Up to 3		Up to 4		
¹ AHRI Ratings	System Type	Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	
	Cooling - Btuh	18,000	19,000	28,000	28,000	36,000	36,000	
	High Temperature Heating - Btuh	19,000	20,000	28,500	28,000	37,000	36,000	
	Low Temperature Heating - Btuh	12,600	12,600	16,700	18,000	24,600	23,200	
	SEER	18	21.5	21	22	19	21.5	
	EER	11	12.5	11	13	11.3	13.5	
	HSPF (Region IV)	9.8	9.8	10	10.4	11	10.5	
AHRI Reference Number			9920051		9920054		9920055	
Energy Star		No	Yes	No	Yes	No	Yes	
Ambient Temperature Range - °F		Cooling	-22 - 122		-22 - 122		-22 - 122	
		Heating	-22 - 86		-22 - 86		-22 - 86	
Sound Data (dBA)		Cooling	63.4		62.3		64	
		Heating	63.4		62.3		64	
Refrigerant		Charge furnished (R-410A)	6 lbs. 3 oz.		6 lbs. 10 oz.		10 lbs. 2 oz.	
		Maximum line length with furnished charge (per zone) - ft.	25		25		25	
		Additional charge required per ft. - oz.	0.161		0.161		0.32	
Compressor		No. and Type	Rotary		Rotary		Twin-Rotary	
		Refrigerant oil type	POE VG74		POE VG74		ESTER OIL VG74	
		Refrigerant oil charge - oz.	22.7		33.8		47.3	
Connections - in.		Liquid+Gas pipe (flare)	(2) 1/4 liq. + (2) 3/8 gas		(3) 1/4 liq. + (3) 3/8 gas		(3) 1/4 liq. + (3) 3/8 gas (1) 1/4 liq. + (1) 1/2 gas	
		Maximum pipe length for all rooms - ft.	148		197		246	
		Maximum pipe length for one indoor unit - ft.	82		98		98	
		Max. height difference between indoor and outdoor units - ft.	49		49		49	
		Max. height difference between indoor units - ft.	33		33		33	
Outdoor Fan		(No.) Diameter - in.	20		20		(2) 22	
		Total air volume - cfm	2130		2355		(2) 4470	
		rpm	150/200/250/300/400/500/600/750/900/1000		150/200/250/300/400/500/600/750/900/1000		150/200/250/300/400/500/600/700/800/870	
Outdoor Coil		Number of rows	2		2		2	
		Fins per inch	17		19		18	
		Fin type	Hydrophilic aluminium					
		Tube outside diameter - in.	3/8		3/8		3/8	
		Tube type	Rifled copper tubing					
		Net face area - ft.2	8.24		8.16		13.40	
Design Pressure		PSIG	550/340		550/340		550/340	
Shipping Data		Net/Shipping weight (lbs.)	150 / 161		157 / 168		224 / 255	
ELECTRICAL DATA								
Electrical Characteristics - 60 Hz - 1 Phase		208/230V		208/230V		208/230V		
² Maximum Overcurrent Protection (amps)		25		40		50		
³ Minimum circuit ampacity		19		27		35		
Compressor Rated load amps		15		22		21		
Outdoor Fan Motor		Rated load amps	0.9		1.3		(2) 0.39	
		Output - W	120		120		(2) 85	

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V	208/230V
² Maximum Overcurrent Protection (amps)		25	40	50
³ Minimum circuit ampacity		19	27	35
Compressor Rated load amps		15	22	21
Outdoor Fan Motor	Rated load amps	0.9	1.3	(2) 0.39
	Output - W	120	120	(2) 85

NOTE - Per AHRI, the certified ratings for systems are valid for all combinations of indoor units with the specific outdoor units listed above and in the AHRI Directory of Certified Equipment. Please visit <http://www.ahridirectory.org> for further details and latest updates.

¹ Ratings are AHRI certified to AHRI Standard 1230-2010 with Addendum 2;

• Cooling Ratings - 80°F dry bulb/67°F wet bulb entering indoor coil air and 95°F dry bulb/75°F wet bulb outdoor air temperature.

• High Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 47°F dry bulb/43°F wet bulb outdoor air temperature.

• Low Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 17°F dry bulb/15°F wet bulb outdoor air temperature.

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

² HACR type circuit breaker or fuse.

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

NOTE - Adaptors are furnished for the gas pipe connections:

018 - (2) 3/8 x 1/2 in.


030 - (3) 3/8 x 1/2 in.

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SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

	Model No.	MWMA009S4	MWMA012S4	MWMA018S4	MWMA024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		0.06	0.06	0.13	0.3
Output (W)		20	20	58	60
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		370/270/195	370/275/200	530/410/295	695/625/485
Sound Data (dBA) - Low/Medium/High		26.5/33.4/41.7	28.6/35.8/45.1	30.9/36.3/46.2	35.1/44.5/51.7
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		20 / 26	20 / 27	27 / 35	40 / 54

SPECIFICATIONS - CASSETTE INDOOR UNITS

	Model No.	M22A009S4	M22A012S4	M22A018S4	M33A024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		0.9	1.0	1.5	2.0
Output (W)		46	46	46	42
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		375/300/255	380/310/260	560/485/415	700/635/575
Sound Data (dBA) - Low/Medium/High		33/37/41	36/39/43	36/39/44	43/47/51
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1-1/4
Net/Shipping weights - lbs.	Body	32 / 38	36 / 41	36 / 42	47 / 55


REQUIRED COMPONENTS - ORDERED SEPARATELY

Cassette Panel	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X05 (M0STAT63Q-1)
Net/Shipping weights - lbs.	6 / 10	6 / 10	6 / 10	12 / 18




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SPECIFICATIONS - CEILING/FLOOR MOUNT INDOOR UNITS

	Model No.	MCFB018S4	MCFA024S4
	Nominal Tons	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V
Rated load amps		1.5	2
Output (W)		55	55
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90
	Heating	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		580/520/465	760/710/600
Sound Data (dBA) - Low/Medium/High		39/44/47	42/48/53
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1
Net/Shipping weights - lbs.		55 / 66	59 / 70

SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

	Model No.	MMDB009S4	MMDB012S4	MMDB018S4	MMDB024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		1.11	1.11	1.2	1.5
Output (W)		55	55	160	160
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		355/285/175	355/285/175	530/450/370	775/695/435
External Static Pressure (in. w.g)		0 - 0.16	0 - 0.16	0 - 0.40	0 - 0.64
Sound Data (dBA) - Low/Medium/High		25/32/38	26/33.5/38	35/37/39	36/41/44
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		38 / 49	38 / 49	54 / 66	87 / 103

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Catalog No.	Size						
			09	12	18	24	30	36	
OUTDOOR UNIT									
Condenser Pad (18 x 38 x 3)		Y5014	N/A	N/A	N/A	•	•		
Disconnects		30 amp, fused, 1 ph 27P37				•	•		
60 amp, non-fused, 1 ph		27P39				•	•		
Fuses		30A 83P75				•	•		
60A		83P77				•	•		
Hail Guards		M9GARD17Q-1 15D28				•	•		
M9GARD18Q-1		15D29				N/A	N/A		
1 Line Sets		1/4 in. x 3/8 in. x 25 ft. 90X53				•	•		
1/4 in. x 3/8 in. x 50 ft.		X0258				•	•		
1/4 in. x 1/2 in. x 25 ft.		90X52				•	•		
1/4 in. x 1/2 in. x 50 ft.		X0259				•	•		
Wall Brackets		30 inch Y5020				•	N/A		
36 inch		Y5021				N/A	•		
Whips		10 Gauge - 1/2 in. x 6 ft. 29P54				•	•		
8 Gauge - 3/4 in. x 6 ft.		27P44				•	•		
INDOOR UNIT									
2 Diversitech ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V		Y5170	•	•	•	•	N/A		
Condensate Pumps with Reservoir		Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V Y7946	•	•	N/A				
Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V		Y7949	•	•	•	•			
2 Blue Diamond® MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V		14T74	•	•	•	N/A			
Condensate Pumps with Reservoir		MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V 14T69	N/A		•				
MultiTank Kit		14T75	N/A		•				
Sensor Cable Extension - 16 ft.		14T76	•	•	•	•			
A/C Easy Tee® Condensate Cleanout		Y7947	•	•	•	•			
CONTROLS									
Wired Remote Controller (Furnished With All Ducted Models)		M0STAT61Q-1	14A66	•	•	•		•	•
Extension Cable for Wired Remote Controller - 20 ft.			Y8008	•	•	•	•	•	
NOTE - The Wired Remote Controller above is furnished as standard with the indoor ducted models. As an option, the Wired Remote Controller can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.									
Wired Programmable Controller		M0STAT64Q-1	15D30	•	•	•	•	•	
Extension Cable for Wired Programmable Controller - 20 ft.		M0CTRL64Q-1	Y8738	•	•	•	•	•	
Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.			Y2067	•	•	•	•	•	
SPEEDICHANNEL™ SYSTEM									
SpeediChannel™ Starter Kit - 4 in.			Y3387	•	•	•	•	•	
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)			Y3388	•	•	•	•	•	
Union Coupling - 4 in.			Y3389	•	•	•	•	•	
90° Flat Bend Elbow - 4 in.			Y3390	•	•	•	•	•	
90° Inside Elbow - 4 in.			Y3391	•	•	•	•	•	
45° Flat Bend Elbow - 4 in.			Y3392	•	•	•	•	•	
Flex Joint - 4 in.			Y3393	•	•	•	•	•	
T-Joint - 4 in.			Y3394	•	•	•	•	•	
Duct End - 4 in.			Y3395	•	•	•	•	•	
Flat Wall Escutcheon - 4 in.			Y3396	•	•	•	•	•	
Wall Penetration Cover - 4 in.			Y3399	•	•	•	•	•	
Mount Block (White) Qty, 2 - 14 in.			Y3397	•	•	•	•	•	
Mount Block (White) Qty, 2 - 36 in.			Y3398	•	•	•	•	•	

¹ See Connections and Line Set Usage tables on page 31.² Y7946, Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

MULTI-ZONE SYSTEM COMBINATIONS**NOTE - For multi-zone systems, the total capacity of all indoor units must be 66% to 133% of the outdoor unit capacity.**

Outdoor Unit Model No.	Number of Zones	Indoor Unit Capacity				Nominal Cooling Capacity at Rated System Capacity (Btuh)				Nominal Heating Capacity at Rated System Capacity (Btuh)			
		#1	#2	#3	#4	#1	#2	#3	#4	#1	#2	#3	#4
MLA018S4M	2	009	009	---	---	9,000	9,000	---	---	10,000	10,000	---	---
		009	012	---	---	9,000	12,000	---	---	10,000	13,000	---	---
		009	018	---	---	8,000	17,000	---	---	9,000	18,000	---	---
		012	012	---	---	11,000	11,000	---	---	13,000	13,000	---	---
MLA030S4M	2	009	009	---	---	9,500	9,500	---	---	10,000	10,000	---	---
		009	012	---	---	9,500	12,000	---	---	10,000	13,000	---	---
		009	018	---	---	8,400	16,600	---	---	9,000	18,000	---	---
		009	024	---	---	8,000	21,000	---	---	9,000	24,000	---	---
		012	012	---	---	12,000	12,000	---	---	13,000	13,000	---	---
		012	018	---	---	10,000	15,000	---	---	12,000	18,000	---	---
		012	024	---	---	9,500	20,500	---	---	11,000	23,000	---	---
		018	018	---	---	15,000	15,000	---	---	17,000	17,000	---	---
	3	009	009	009	---	9,000	9,000	9,000	---	10,000	10,000	10,000	---
		009	009	012	---	8,667	8,667	11,667	---	9,500	9,500	12,000	---
		009	009	018	---	8,333	8,333	13,333	---	9,000	9,000	14,000	---
		009	012	012	---	8,500	10,000	10,000	---	8,500	11,500	11,500	---
		009	012	018	---	8,000	10,000	13,000	---	8,000	10,000	15,000	---
		012	012	012	---	10,000	10,000	10,000	---	10,667	10,667	10,667	---
		009	018	---	---	9,500	17,500	---	---	10,000	18,000	---	---
		009	024	---	---	9,000	24,000	---	---	10,000	25,000	---	---
MLA036S4M	2	012	012	---	---	12,000	12,000	---	---	13,000	13,000	---	---
		012	018	---	---	12,000	18,000	---	---	13,000	18,000	---	---
		012	024	---	---	11,000	23,000	---	---	12,000	24,000	---	---
		018	018	---	---	16,500	16,500	---	---	17,000	17,000	---	---
		018	024	---	---	16,000	22,000	---	---	16,500	22,500	---	---
		024	024	---	---	20,000	20,000	---	---	21,000	21,000	---	---
	3	009	009	009	---	9,333	9,333	9,333	---	9,667	9,667	9,667	---
		009	009	012	---	9,000	9,000	12,000	---	9,500	9,500	12,500	---
		009	009	018	---	8,000	8,000	16,000	---	8,500	8,500	17,000	---
		009	009	024	---	7,500	7,500	21,000	---	8,500	8,500	22,000	---
		009	012	012	---	8,500	11,500	11,500	---	9,000	12,000	12,000	---
		009	012	018	---	8,000	11,000	15,000	---	8,500	11,500	16,000	---
		009	012	024	---	7,500	10,500	19,000	---	8,000	11,000	19,500	---
		009	018	018	---	8,000	14,000	14,000	---	8,500	14,500	14,500	---
		012	012	012	---	11,333	11,333	11,333	---	12,000	12,000	12,000	---
		012	012	018	---	11,000	11,000	14,000	---	12,000	12,000	15,000	---
		012	012	024	---	10,000	10,000	18,000	---	10,500	10,500	18,500	---
		012	018	018	---	9,333	13,333	13,333	---	10,000	14,500	14,500	---
	4	009	009	009	009	9,000	9,000	9,000	9,000	9,500	9,500	9,500	9,500
		009	009	009	012	8,500	8,500	8,500	11,500	9,000	9,000	9,000	12,000
		009	009	009	018	8,000	8,000	8,000	14,000	8,500	8,500	8,500	14,000
		009	009	012	012	8,000	8,000	10,500	10,500	8,500	8,500	11,000	11,000
		009	009	012	018	7,500	7,500	9,000	14,000	8,000	8,000	9,500	14,500
		009	012	012	012	7,000	10,000	10,000	10,000	8,000	10,500	10,500	10,500
		012	012	012	012	9,500	9,500	9,500	9,500	10,000	10,000	10,000	10,000

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CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MLA018S4M Indoor Unit A 1/4" liq + 3/8" gas Indoor Unit B 1/4" liq + 3/8" gas	2	009 (A)	1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
	2	012 (A)	¹ 1/4 in. x 1/2 in.
		009 (B)	1/4 in. x 3/8 in.
	2	009 (B)	1/4 in. x 3/8 in.
		018 (A)	¹ 1/4 in. x 1/2 in.
	2	012 (A)	¹ 1/4 in. x 1/2 in.
		012 (B)	¹ 1/4 in. x 1/2 in.
	2	009 (A)	¹ 1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
MLA030S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 3/8" gas Indoor Unit C 1/4" liq + 3/8" gas	2	012 (A)	1/4 in. x 1/2 in.
		009 (B)	1/4 in. x 3/8 in.
	2	009 (B)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	2	009 (B)	1/4 in. x 3/8 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	2	012 (A)	1/4 in. x 1/2 in.
		012 (B)	¹ 1/4 in. x 1/2 in.
	2	012 (B)	¹ 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	2	024 (A)	^{2,3} 3/8 in. x 5/8 in.
		012 (B)	¹ 1/4 in. x 1/2 in.
	2	018 (A)	1/4 in. x 1/2 in.
		018 (B)	¹ 1/4 in. x 1/2 in.
	3	009 (A)	¹ 1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		009 (B)	1/4 in. x 3/8 in.
	3	012 (A)	1/4 in. x 1/2 in.
		012 (B)	¹ 1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
	3	012 (B)	¹ 1/4 in. x 1/2 in.
		009 (B)	1/4 in. x 3/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the outdoor unit (furnished with outdoor unit).

CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MLA036S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 1/2" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	2	009 (B)	¹ 1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	2	009 (B)	¹ 1/4 in. x 3/8 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	2	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	2	012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	2	012 (B)	1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	2	018 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	2	018 (B)	1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	2	024 (B)	^{2,3} 3/8 in. x 5/8 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	3	009 (A)	¹ 1/4 in. x 3/8 in.
		009 (B)	¹ 1/4 in. x 3/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		009 (B)	¹ 1/4 in. x 3/8 in.
	3	012 (A)	1/4 in. x 1/2 in.
		009 (B)	¹ 1/4 in. x 3/8 in.
	3	009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		009 (B)	1 1/4 in. x 1/2 in.
	3	024 (A)	^{2,3} 3/8 in. x 5/8 in.
		009 (C)	1/4 in. x 3/8 in.
	3	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		012 (B)	1/4 in. x 1/2 in.
	3	018 (A)	1/4 in. x 1/2 in.
		009 (C)	1/4 in. x 3/8 in.
	3	024 (A)	^{2,3} 3/8 in. x 5/8 in.
		012 (B)	1/4 in. x 1/2 in.
	3	009 (C)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	3	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.

¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the outdoor unit (furnished with outdoor unit).

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CONNECTIONS AND LINE SET USAGE

Outdoor Model	No. of Zones	Indoor Unit Capacity (Unit No.)	Line Set Required (Liquid x Gas)
MLA036S4M Indoor Unit A 1/4" liq + 1/2" gas Indoor Unit B 1/4" liq + 1/2" gas Indoor Unit C 1/4" liq + 3/8" gas Indoor Unit D 1/4" liq + 3/8" gas	3	012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	3	012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
		024 (A)	^{2,3} 3/8 in. x 5/8 in.
	3	012 (C)	¹ 1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
		018 (B)	1/4 in. x 1/2 in.
	4	009 (B)	¹ 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		009 (A)	¹ 1/4 in. x 3/8 in.
	4	009 (B)	¹ 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
	4	009 (B)	¹ 1/4 in. x 3/8 in.
		009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		018 (A)	1/4 in. x 1/2 in.
	4	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
	4	009 (C)	1/4 in. x 3/8 in.
		009 (D)	1/4 in. x 3/8 in.
		012 (B)	1/4 in. x 1/2 in.
		018 (A)	1/4 in. x 1/2 in.
	4	009 (D)	1/4 in. x 3/8 in.
		012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
	4	012 (A)	1/4 in. x 1/2 in.
		012 (B)	1/4 in. x 1/2 in.
		012 (C)	¹ 1/4 in. x 1/2 in.
		012 (D)	¹ 1/4 in. x 1/2 in.

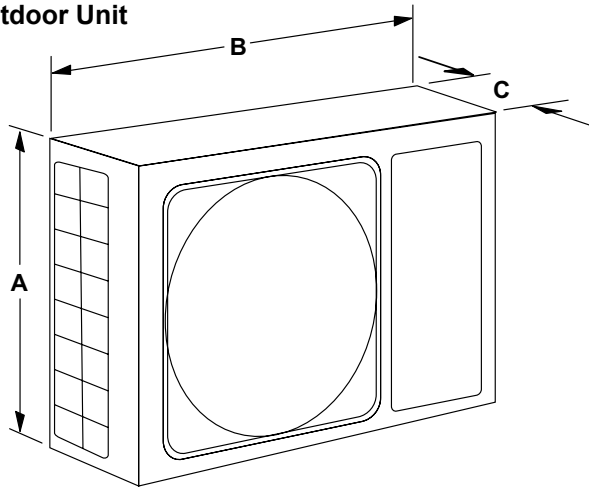
¹ 3/8 x 1/2 in. gas pipe adaptor is required for line set connection to outdoor unit (furnished with outdoor unit).

² 1/4 x 3/8 in. liquid pipe adaptor is required for line set connection to the outdoor unit (furnished with outdoor unit).

³ 1/2 x 5/8 in. gas pipe adaptor is required for line set connection to the outdoor unit (furnished with outdoor unit).

DIMENSIONS

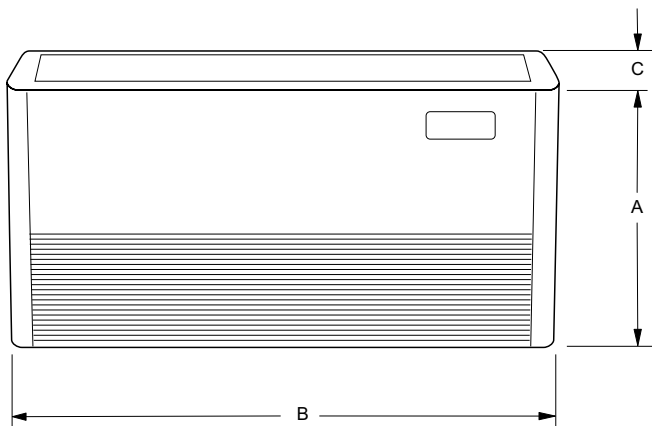
Outdoor Unit



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MLA018S4M, MLA030S4M	31-7/8	810	40-5/8	1032	18	457
MLA036S4M	52-1/2	1334	41-1/8	1045	16-3/8	416

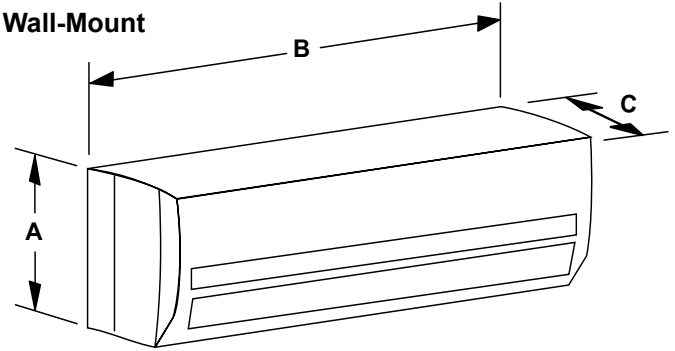
NOTE - MLA036 has two fans.

Floor/Ceiling



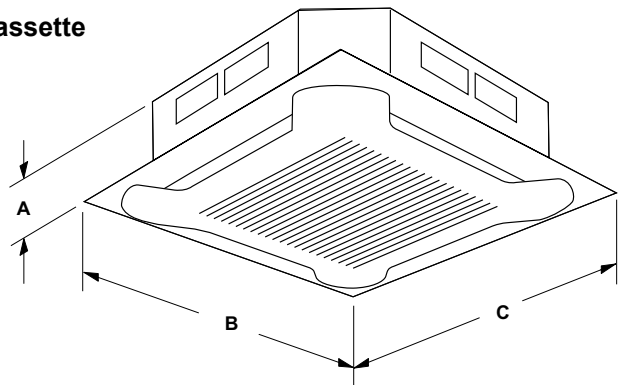
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235

Wall-Mount



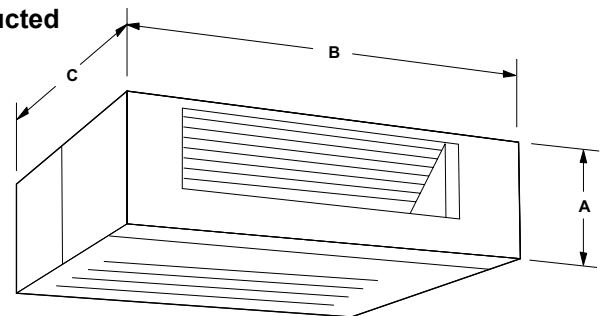
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA009S4, MWMA012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4	13-1/2	343	46-3/4	1187	10-1/4	260

Cassette



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
M22A009S4, M22A012S4, M22A018S4	23-1/2	572	25-1/2	648	25-1/2	648
M33A024S4	8-1/8	206	37-3/8	949	37-3/8	949

Ducted



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MMDB009S4, MMDB012S4	7-7/8	200	30-3/4	781	19-7/8	505
MMDB018S4	8-1/4	210	37-7/8	962	26-1/2	673
MMDB024S4	9-3/4	248	46-1/2	1181	30-1/2	775

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PRODUCT CATALOG

Single-Zone Low Ambient Heat Pump System - R-410A
SEER - Up to 24.00
HSPF - Up to 11.0

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February 2018

Supersedes January 2018

FEATURES

OUTDOOR UNITS

Compressor

Variable frequency rotary compressor

Compressor crankcase heater

Controls

DC inverter control

Outdoor unit microprocessor

Electronic expansion valve

Compressor overcurrent protection

Condenser high temperature protection

High pressure discharge temperature protection

Intelligent Power Module (IPM) Protection

Low and high voltage protection

Terminal strip

Defrost control

Reversing valve

Outdoor Unit Cabinet

Heavy gauge steel

Condensate drain outlets

Pan heater

Access cover for power and control wiring

Access cover for service valves

INDOOR UNITS

Wall-Mount

Cassette

Ceiling/Floor Mount

Medium Static Ducted

Blower

Multi-speed fan

Filter

Cleanable filter

Controls

Indoor unit microprocessor

LED Readout

Auto restart

Cooling override

Terminal strip

Indoor coil freeze protection



Time delay

Auto operation

Condensate Pump

Furnished with Cassette and Ducted models

CONTROLS (FURNISHED)

Wireless Remote Control -

Furnished with Wall-Mounted Indoor Units, Cassette Indoor Units and Ceiling/Floor Indoor Units

Wired Remote Control - Furnished with Ducted Indoor Units

NOTE - As an option, a wireless control can be ordered for a ducted indoor unit and a wired control can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.

LIMITED WARRANTY

Compressor - seven years

All covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS

See page 41

ACCESSORIES

See page 39

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Indoor Unit

- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Kits And Tools

- Universal Mini-Split Installation Kit
- Speedichannel™ System

SPECIFICATIONS - MLA OUTDOOR UNITS

Nominal Size - Tons		0.75	1	1.5	2
Outdoor Unit Model No.		MLA009S4S	MLA012S4S	MLA018S4S	MLA024S4S
Ambient Temperature Operating Range - °F	Cooling	-22 - 122	-22 - 122	-22 - 122	-22 - 122
	Heating	-22 - 86	-22 - 86	-22 - 86	-22 - 86
Sound Data (dBA)	Cooling	52	52	56	57
	Heating	57	57	59	60
Refrigerant	Charge furnished (R-410A)	3 lbs. 3 oz.	3 lbs. 3 oz.	4 lbs. 3 oz.	5 lbs. 7 oz.
	Maximum line length with furnished charge - ft.	25	25	25	25
	Additional charge required per ft. - oz.	0.16	0.16	0.16	0.32
Compressor	No. and Type	Rotary	Rotary	Rotary	Rotary
	Refrigerant oil type	Ester Oil VG74	Ester Oil VG74	POE VG74	POE VG74
	Refrigerant oil charge - oz.	16.9	16.9	22.7	22.7
Connections - in.	Liquid/Gas pipe (flare)	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
	Maximum refrigerant pipe length - ft.	82	82	98	164
	Max. difference in level of indoor unit - ft.	33	33	66	82
Outdoor Fan	(No.) Diameter - in.	(1) 17	(1) 17	(1) 19	(1) 22
	Total air volume - cfm	1120	1180	1355	2355
	rpm	810	810	850	810
Outdoor Coil	Number of rows	2	2	2	2
	Fins per inch	18	18	18	19
	Fin type	Hydrophilic aluminium			
	Tube outside diameter - in.	3/8	3/8	3/8	3/8
	Tube type	Rifled copper tubing			
	Net face area - ft. ²	4.73	4.73	5.19	8.16
Design Pressure	PSIG	550/340	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.)	88/94	88/94	108/115	136/149

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V	208/230V	208/230V
¹ Maximum Overcurrent Protection (amps)		15	15	25	30
	² Minimum circuit ampacity	9	9	18	20
	Compressor Rated load amps	5.25	5.65	12.3	14
Outdoor Fan Motor	Rated load amps	0.38	0.38	0.42	0.5
	Output - W	40	40	44	120

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

¹ HACR type circuit breaker or fuse.² Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.


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SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

	Model No.	MWMA009S4	MWMA012S4	MWMA018S4	MWMA024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		0.06	0.06	0.13	0.3
Output (W)		20	20	58	60
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		370/270/195	370/275/200	530/410/295	695/625/485
Sound Data (dBA) - Low/Medium/High		26.5/33.4/41.7	28.6/35.8/45.1	30.9/36.3/46.2	35.1/44.5/51.7
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		20 / 26	20 / 27	27 / 35	40 / 54

SPECIFICATIONS - CASSETTE INDOOR UNITS

	Model No.	M22A009S4	M22A012S4	M22A018S4	M33A024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		0.9	1.0	1.5	2.0
Output (W)		46	46	46	42
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		375/300/255	380/310/260	560/485/415	700/635/575
Sound Data (dBA) - Low/Medium/High		33/37/41	36/39/43	36/39/44	43/47/51
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1-1/4
Net/Shipping weights - lbs.	Body	32 / 38	36 / 41	36 / 42	47 / 55

REQUIRED COMPONENTS - ORDERED SEPARATELY

Cassette Panel	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X04 (M0STAT62Q-1)	13X05 (M0STAT63Q-1)
Net/Shipping weights - lbs.	6 / 10	6 / 10	6 / 10	12 / 18


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SPECIFICATIONS - CEILING/FLOOR MOUNT INDOOR UNITS

	Model No.	MCFB018S4	MCFA024S4
	Nominal Tons	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V
Rated load amps		1.5	2
Output (W)		55	55
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90
	Heating	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		580/520/465	760/710/600
Sound Data (dBA) - Low/Medium/High		39/44/47	42/48/53
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1
Net/Shipping weights - lbs.		55 / 66	59 / 70

SPECIFICATIONS - MEDIUM STATIC DUCTED INDOOR UNITS

	Model No.	MMDB009S4	MMDB012S4	MMDB018S4	MMDB024S4
	Nominal Tons	0.75	1	1.5	2
Power Supply - 60 hz - 1 phase		208/230V	208/230V	208/230V	208/230V
Rated load amps		1.11	1.11	1.2	1.5
Output (W)		55	55	160	160
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		355/285/175	355/285/175	530/450/370	775/695/435
External Static Pressure (in. w.g)		0 - 0.16	0 - 0.16	0 - 0.40	0 - 0.64
Sound Data (dBA) - Low/Medium/High		25/32/38	26/33.5/38	35/37/39	36/41/44
Piping Connections - Liquid/Gas - o.d. - flare - in.		1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.		1	1	1	1
Net/Shipping weights - lbs.		38 / 49	38 / 49	54 / 66	87 / 103

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description		Catalog No.	Size				
			09	12	18	24	
OUTDOOR UNIT							
Condenser Pad (18 x 38 x 3)		Y5014	•	•	•	•	
Disconnects		30 amp, fused, 1 ph	27P37	•	•	•	•
		60 amp, non-fused, 1 ph	27P39	•	•	•	•
Fuses		30A	83P75	•	•	•	•
		60A	83P77	•	•	•	•
Hail Guards		M9GARD14Q-1	15D25	•	•	N/A	
		M9GARD15Q-1	15D26	N/A		•	N/A
		M9GARD17Q-1	15D28	N/A		•	
Line Sets		1/4 in. x 3/8 in. x 25 ft.	90X53	•	N/A		
		1/4 in. x 3/8 in. x 50 ft.	X0258	•	N/A		
		1/4 in. x 1/2 in. x 25 ft.	90X52	N/A	•	•	N/A
		1/4 in. x 1/2 in. x 50 ft.	X0259	N/A	•	•	N/A
		3/8 in. x 5/8 in. x 25 ft.	X8406	N/A			•
		3/8 in. x 5/8 in. x 50 ft.	X8407	N/A			•
Wall Brackets		30 inch	Y5020	•	•	•	•
Whips		10 Gauge - 1/2 in. x 6 ft.	29P54	•	•	•	•
		8 Gauge - 3/4 in. x 6 ft.	27P44	•	•	•	•
INDOOR UNIT							
¹ Diversitech Condensate Pumps with Reservoir	ClearVue Mini™ - 7.9 US gallons per hour, 35 ft. lift - 120/240V	Y5170	•	•	•	•	
	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 115V	Y7946	•	•	N/A		
	Mini-Split Pump - 4 US gallons per hour, 20 ft. lift - 230V	Y7949	•	•	•	•	
¹ Blue Diamond® Condensate Pumps with Reservoir	MicroBlue® - 1.3 US gallons per hour, 6 ft. lift - 110v-230V	14T74	•	•	•	N/A	
	MaxiBlue® - 3.7 US gallons per hour, 16.5 ft. lift - 208-230V	14T69	N/A			•	
	MultiTank Kit	14T75	N/A			•	
	Sensor Cable Extension - 16 ft.	14T76	•	•	•	•	
	A/C Easy Tee® Condensate Cleanout	Y7947	•	•	•	•	
CONTROLS							
Wired Remote Controller (Furnished With All Ducted Models)		M0STAT61Q-1	14A66	•	•	•	•
Extension Cable for Wired Remote Controller - 20 ft.			Y8008	•	•	•	•
NOTE - The Wired Remote Controller above is furnished as standard with the indoor ducted models. As an option, the Wired Remote Controller can be ordered for a wall-mount, cassette or ceiling/floor mount unit if desired.							
Wired Programmable Controller		M0STAT64Q-1	15D30	•	•	•	•
Extension Cable for Wired Programmable Controller - 20 ft.		M0CTRL64Q-1	Y8738	•	•	•	•
Indoor/Outdoor Wiring Cable - 14 Gauge, 4 conductor wire, THHN, 250 ft.			Y2067	•	•	•	•
SPEEDICHANNEL™ SYSTEM							
SpeediChannel™ Starter Kit - 4 in.			Y3387	•	•	•	•
SpeediChannel - 4 in. x 6-1/2 ft. (qty. 6)			Y3388	•	•	•	•
Union Coupling - 4 in.			Y3389	•	•	•	•
90° Flat Bend Elbow - 4 in.			Y3390	•	•	•	•
90° Inside Elbow - 4 in.			Y3391	•	•	•	•
45° Flat Bend Elbow - 4 in.			Y3392	•	•	•	•
Flex Joint - 4 in.			Y3393	•	•	•	•
T-Joint - 4 in.			Y3394	•	•	•	•
Duct End - 4 in.			Y3395	•	•	•	•
Flat Wall Escutcheon - 4 in.			Y3396	•	•	•	•
Wall Penetration Cover - 4 in.			Y3399	•	•	•	•
Mount Block (White) Qty, 2 - 14 in.			Y3397	•	•	•	•
Mount Block (White) Qty, 2 - 36 in.			Y3398	•	•	•	•

¹ Y7946, Y7949 and 14T74 condensate pumps can be installed inside the indoor units. All other pumps must be installed external to the indoor unit.

AHRI SYSTEM MATCHES

Indoor Unit Type	Outdoor Unit	Indoor Unit	Cooling Capacity	SEER	EER	Heat Capacity		HSPF (IV)	AHRI Reference
						High	Low		
Wall-Mounted Non-Ducted	MLA009S4S-1P	MWMA009S4-2P	9,000	24.00	14.50	10,900	6,900	10.50	9920038
	MLA012S4S-1P	MWMA012S4-2P	12,000	22.00	12.50	12,000	7,800	10.00	9920041
	MLA018S4S-1P	MWMA018S4-2P	17,000	20.00	12.50	18,000	10,800	10.00	9920044
	MLA024S4S-1P	MWMA024S4-2P	24,000	20.00	12.50	24,000	15,400	10.00	9920047
Cassette Non-Ducted	MLA009S4S-1P	M22A009S4-2P	9,000	19.50	13.00	10,000	6,700	10.00	9920039
	MLA012S4S-1P	M22A012S4-2P	12,000	19.00	12.50	12,000	8,200	10.00	9920042
	MLA018S4S-1P	M22A018S4-2P	16,000	19.00	12.50	18,000	12,000	9.60	9920045
	MLA024S4S-1P	M33A024S4-2P	24,000	19.50	11.00	24,000	16,200	10.50	9920048
Ceiling/Floor Mount Non-Ducted	MLA018S4S-1P	MCFB018S4-2P	17,000	18.50	12.50	18,000	12,900	10.00	9956319
	MLA024S4S-1P	MCFA024S4-2P	24,000	19.00	11.50	24,000	17,200	11.00	9920049
Medium Static Ducted	MLA009S4S-1P	MMDA009S4-2P	9,000	19.00	13.00	10,000	6,900	10.00	9920037
	MLA012S4S-1P	MMDA012S4-2P	11,500	19.00	12.50	12,000	8,500	10.00	9920040
	MLA018S4S-1P	MMDA018S4-2P	16,500	19.00	12.50	18,000	12,200	10.00	9920043
	MLA024S4S-1P	MMDA024S4-2P	24,000	20.00	12.50	24,000	17,200	10.50	9920046

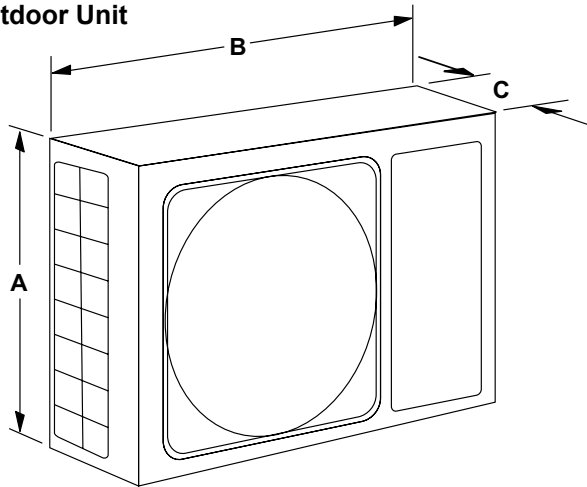
Ratings are AHRI certified to AHRI Standard 210/240-2008;

- Cooling Ratings - 80°F dry bulb/67°F wet bulb entering indoor coil air and 95°F wet bulb/75°F dry bulb outdoor air temperature.
- High Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 47°F dry bulb/43°F wet bulb outdoor air temperature.
- Low Temperature Heating Ratings - 70°F dry bulb/60°F wet bulb entering indoor coil air and 17°F dry bulb/15°F wet bulb outdoor air temperature.

To convert HSPF from Region IV to Region V - Divide by 1.15.

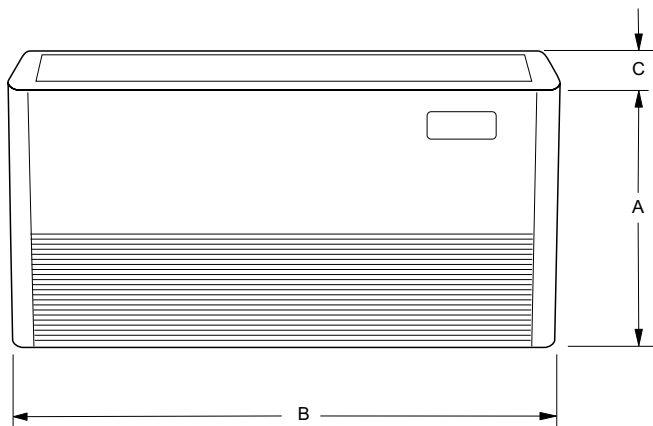
DIMENSIONS

Outdoor Unit



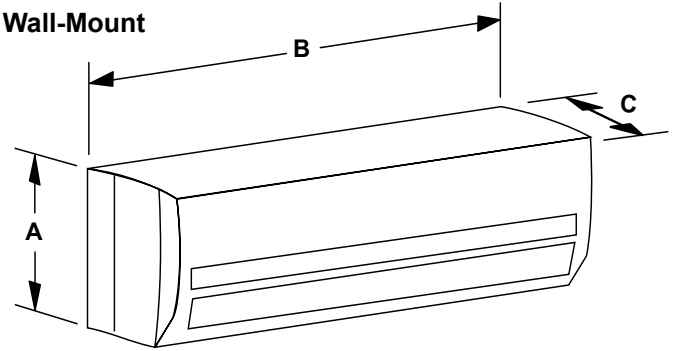
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MLA009S4S, MLA012S4S	21-3/4	562	34-1/4	870	14-5/8	371
MLA018S4S	27-5/8	702	36	914	16	406
MLA024S4S	31-7/8	810	40-3/4	1035	18	457

Ceiling/Floor



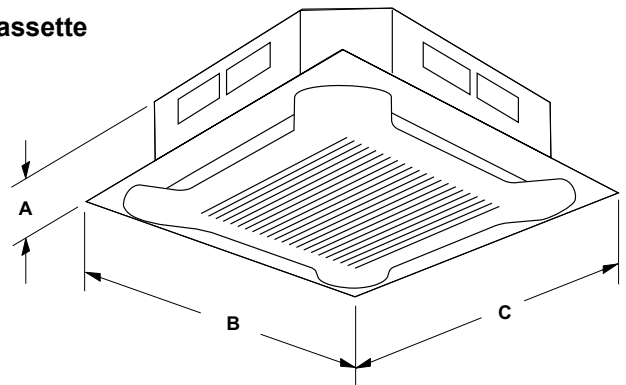
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235

Wall-Mount



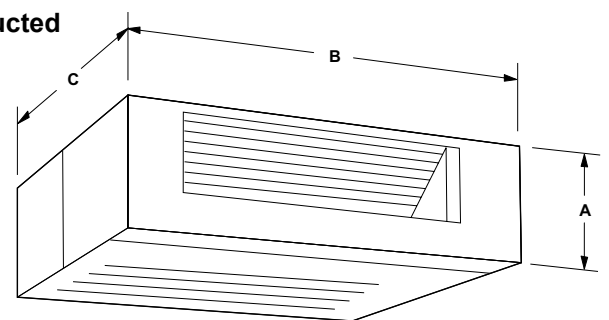
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA009S4, MWMA012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4	13-1/2	343	46-3/4	1187	10-1/4	260

Cassette



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
M22A009S4, M22A012S4, M22A018S4	23-1/2	572	25-1/2	648	25-1/2	648
M33A024S4	8-1/8	206	37-3/8	949	37-3/8	949

Ducted



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MMDB009S4, MMDB012S4	7-7/8	200	30-3/4	781	19-7/8	505
MMDB018S4	8-1/4	210	37-7/8	962	26-1/2	673
MMDB024S4	9-3/4	248	46-1/2	1181	30-1/2	775

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PACKAGED GAS/ELECTRIC LRP16GE

PRODUCT CATALOG

R-410A - Two-Stage Heating/Cooling - AFUE - 81% / SEER - 16.0
2 to 5 Tons - Net Cooling Capacity - 23,800 to 57,000 Btuh
Heating Input Capacity - 72,000 to 126,000 Btuh

Page 1

February 2018

Supersedes January 2018

FEATURES

Refrigerant System

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

Two-Stage Scroll Compressor

Copper tube with enhanced fin coils with drain pan overflow switch

Thermal Expansion Valve

High Pressure Switch

Totally enclosed outdoor coil fan motor

Heavy-Duty Fan

Heating System

Aluminized Steel Heat Exchanger

Aluminized Steel Inshot Burners

Two-Stage Combustion Air Inducer

Two-Stage Gas Valve

Heating Control

Limit Controls

Supply Air Blower

Variable speed, direct drive blower motor.

Controls

Ignition control with diagnostic LED's.

Electronic Blower Control

40VA transformer furnished.

Cabinet

Conditioned areas insulated to reduce sound levels and minimize heat loss.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to downflow airflow conversion furnished (shipped for horizontal).

Powder paint for maximum durability



ACCESSORIES

See page 5

- Compressor Crankcase Heater
- Compressor Hard Start Kits
- Compressor Timed-off Control
- Downflow Conversion
- Lifting Brackets
- Healthy Climate® PCO Accessory
- Internal Filter Rack Kits
- LPG/Propane Conversion Kit
- Roof Curbs
- Thermostat

LIMITED WARRANTY

Heat Exchanger - twenty years

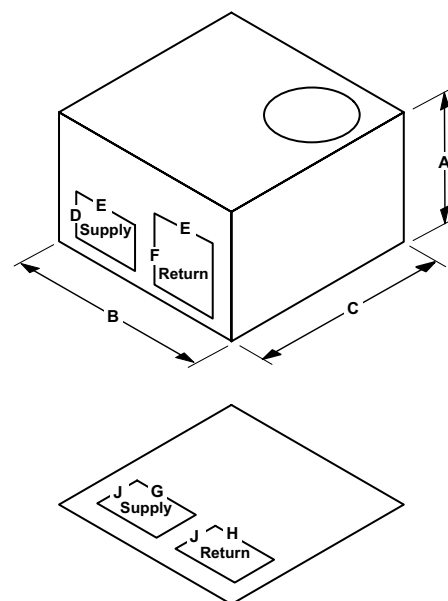
Compressor - ten years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	24 36	48 60
A	36-7/8 (937)	40-7/8 (1038)
B	46-3/4 (1187)	55-1/4 (1403)
C	46-3/4 (1187)	46-3/4 (1187)
D	14-1/4 (362)	14-1/4 (362)
E	13-3/8 (340)	18-1/8 (467)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-3/4 (502)
J	11-1/2 (292)	11-1/2 (292)

DIMENSIONS



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SPECIFICATIONS

General Data		Model No.	LRP16GE24	LRP16GE36	LRP16GE48	LRP16GE60
Nominal Tonnage			2	3	4	5
Gas Heat Available - See Next Page			-72(X)	-72(X), -90(X)	-108(X)	-126(X)
Cooling Performance	Total cooling capacity - Btuh		23,800	35,400	47,500	57,000
	Total Unit Watts		1900	2950	3960	4750
	¹ SEER (Btuh/Watt)		16.0	16.0	16.0	16.0
	EER (Btuh/Watt)		12.5	12.0	12.0	12.0
	² Sound Rating Number (dB)		74	75	75	74
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A
	Charge		5 lbs. 7 oz.	5 lbs. 12 oz.	6 lbs. 10 oz.	9 lbs. 1 oz.
Condensate drain size (fpt) - in.			3/4	3/4	3/4	3/4
Outdoor Coil	Net Face Area - sq. ft.		14.6	16.4	19.5	19.1
	Tube Dia. - in. and No. of Rows		5/16 – 1	5/16 – 1	5/16 – 1	5/16 – 2
	Fins per inch		26	26	26	22
Outdoor Coil Fan	Motor horsepower		1/6	1/6	1/4	1/4
	Dia. - in. and No. of blades		22 – 3	22 – 3	24 – 3	24 – 3
Indoor Blower	Blower wheel size dia. x width - in.		10 x 6	10 x 8	10 x 10	12 x 9
	Motor horsepower		1/2	1/2	3/4	1
Net weight of basic unit - lbs.			375	384	486	522
Shipping weight of basic unit (1 Pkg.) - lbs.			445	456	528	595
Electrical characteristics (60 hz)			208/230V-1ph-60Hz			

ELECTRICAL DATA

Line voltage data - 60hz 1 phase		208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		25	35	50	60
⁴ Minimum Circuit Ampacity		17.0	22.7	31.2	41.7
Compressor	Rated load amps	11.7	15.3	21.2	28.8
	Locked rotor amps	58.3	83.0	104.0	152.9
Outdoor Coil	Full load amps	1.0	1.0	1.7	1.7
Fan Motor	Locked rotor amps	1.9	1.9	3.2	3.2
Indoor Blower Motor	Full load amps	1.1	2.3	3.1	4.0
	Locked rotor amps	4.3	4.3	6.8	9.1

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

¹ AHRI Certified to AHRI Standard 210/240; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air.² Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.³ HACR type circuit breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**SPECIFICATIONS - GAS HEAT**

Model		24, 36	36	48	60
Heating Input		-072	-090	-108	-126
Heating Capacity Btuh	First Stage - Input	54,000	67,500	81,000	94,500
	Output	43,500	54,500	65,500	76,500
	Second Stage - Input	72,000	90,000	108,000	126,000
	Output	58,000	73,000	88,000	102,000
¹ AFUE		81%	81%	81%	81%
Temperature Rise - °F	First Stage	35 - 45	35 - 45	45 - 55	45 - 55
	Second Stage	45 - 55	45 - 55	50 - 60	50 - 60
Gas Supply Connection (FPT) - in.		1/2	1/2	1/2	1/2
Min. Recommended Gas Supply Pressure		5 in. w.g. Natural Gas, 11 in. w.g. LPG/Propane			

OPTIONAL ACCESSORIES - ORDER SEPARATELY

LPG/Propane Conversion Kit	15C55	15C55	15C55	15C55
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¹ Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.

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PACKAGED GAS/ELECTRIC LRP14GE

PRODUCT CATALOG

R-410A - AFUE - 81% / SEER - 14.0
2 to 5 Tons - Net Cooling Capacity - 22,600 to 57,000 Btuh
Heating Input Capacity - 54,000 to 126,000 Btuh

Page 3

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Supersedes January 2018

FEATURES

Refrigerant System

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

Scroll compressor

Copper tube with enhanced fin coils

Thermal Expansion Valve

High Pressure Switch

Totally enclosed outdoor coil fan motor

Heavy-Duty Fan

Heating System

Aluminized Steel Heat Exchanger

Aluminized Steel Inshot Burners

Combustion Air Inducer

Heating Control

Limit Controls

Supply Air Blower

Multi-speed, direct drive blower motor.

Controls

Ignition control with diagnostic LED's.

40VA transformer furnished.

Cabinet

Conditioned areas insulated to reduce sound levels and minimize heat loss.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to downflow airflow conversion furnished (shipped for horizontal).

Powder paint for maximum durability



ACCESSORIES

See page 5

- Compressor Crankcase Heater
- Compressor Hard Start Kits
- Compressor Timed-off Control
- Downflow Conversion
- Drain Pan Overflow Switch
- Lifting Brackets
- Internal Filter Kits
- LPG/Propane Conversion Kit
- Roof Curbs
- Thermostat

LIMITED WARRANTY

Heat Exchanger - twenty years

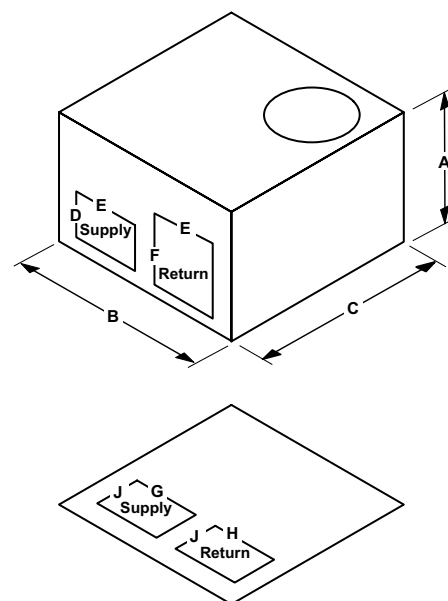
Compressor - ten years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	24 30 36	42 48 60
A	36-7/8 (937)	40-7/8 (1038)
B	46-3/4 (1187)	55-1/4 (1403)
C	46-3/4 (1187)	46-3/4 (1187)
D	14-1/4 (362)	14-1/4 (362)
E	13-3/8 (340)	18-1/8 (467)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-3/4 (502)
J	11-1/2 (292)	11-1/2 (292)

DIMENSIONS



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SPECIFICATIONS

General Data		Model No.	LRP14GE24	LRP14GE30	LRP14GE36	LRP14GE42	LRP14GE48	LRP14GE60
Nominal Tonnage			2	2.5	3	3.5	4	5
Gas Heat Available - See Next Page			-054(X), -072	-054(X), -072	054, -072(X), -090	-072(X), -090	-108(X), -126	-108(X), -126
Cooling Performance	Total cooling capacity - Btuh		22,600	28,400	34,000	40,000	46,000	57,000
	Total Unit Watts		2055	2580	3090	3635	4180	5180
	¹ SEER (Btuh/Watt)		14.00	14.00	14.00	14.00	14.00	14.00
	EER (Btuh/Watt)		11.00	11.00	11.00	11.00	11.00	11.00
	² Sound Rating Number (dB)		78	78	78	78	78	78
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge		4 lbs. 6 oz.	4 lbs. 13 oz.	4 lbs. 15 oz.	6 lbs. 12 oz.	6 lbs. 10 oz.	7 lbs. 13 oz.
Condensate drain size (ft) - in.			3/4	3/4	3/4	3/4	3/4	3/4
Outdoor Coil Fan	Motor horsepower		1/6	1/6	1/6	1/4	1/4	1/4
	Diameter - in. and No. of blades		22 - 4	22 - 4	22 - 4	24 - 3	24 - 3	24 - 3
Indoor Blower	Blower wheel size dia. x width - in.		10 x 6	10 x 6	10 x 8	10 x 10	10 x 10	12 x 9
	Motor horsepower		1/4	1/4	1/3	1/3	1/2	1
Net weight of basic unit - lbs.			358	370	389	460	476	513
Shipping weight of basic unit (1 Pkg.) - lbs.			421	433	452	533	549	586
Electrical characteristics (60 hz)			208/230V-1ph-60hz					

ELECTRICAL DATA

Line voltage data - 60hz 1 phase		208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		25	30	30	40	40	60
⁴ Minimum Circuit Ampacity		16.7	18.7	20.6	24.4	26.9	38.9
Compressor	Rated load amps	11.2	12.8	14.1	15.9	17.9	23.7
Outdoor Coil Fan Motor	Full load amps	1.0	1.0	1.0	1.7	1.7	1.7
Indoor Blower Motor	Full load amps	1.7	1.7	2.0	2.8	2.8	7.6

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

¹ AHRI Certified to AHRI Standard 210/240; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air.² Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.³ HACR type circuit breaker or fuse.⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**SPECIFICATIONS - GAS HEAT**

Model		24, 30, 36	24, 30	36, 42	36, 42	48, 60	48, 60
Heating Input		-054	-072	-072	-090	-108	-126
Heating Capacity Btuh	Input	54,000	72,000	72,000	90,000	108,000	126,000
	Output	43,800	58,400	58,400	72,900	87,500	102,100
¹ AFUE		81%	81%	81%	81%	81%	81%
Temperature Rise - °F		30-60	40-70	35-65	40-70	40-70	45-75
Gas Supply Connection (FPT) - in.		1/2	1/2	1/2	1/2	1/2	1/2
Min. Recommended Gas Supply Pressure		5 in. w.g. Natural Gas, 11 in. w.g. LPG/Propane					

OPTIONAL ACCESSORIES - ORDER SEPARATELY

LPG/Propane Conversion Kit	11U77	11U77	11U77	11U77	11U77	11U77
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¹ Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations.**Intertek**

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

	Model No.	LRP14GE / LRP16GE					
		24	¹ 30	36	¹ 42	48	60
Compressor Crankcase Heater	11X27	•	•	•	•	•	•
Compressor Hard Start Kit	Copeland 10J42	•	•	•			•
	LG 88M91				•	•	
Compressor Timed-Off Control	47J27	•	•	•	•	•	•
Downflow Conversion Kit (LRP16 includes drain pan overflow switch)	11U80	•	•	•			
	11U81				•	•	•
Drain Pan Overflow Switch - For LRP14 Models Only	11U75	•	•	•	•	•	•
² Internal Filter Rack Kit (1) 20 x 20 + (1) 14 x 20 (Filters Not Furnished)	11U73	•	•	•			
	(2) 20 x 20 11U74				•	•	•
Healthy Climate® PCO Accessory For LRP16 Models Only	Y7960	•		•		•	•
PCO Accessory Maintenance Kit for LRP16 (Includes PureAir® Cartridge and UVA lamp)	Y7972	•		•		•	•
Lifting Brackets	11U76	•	•	•	•	•	•
Clip Curb (Full Perimeter)	8 inch height 14W71	•	•	•			
	14W72				•	•	•
	14 inch height 14V68	•	•	•			
	14V69				•	•	•
Adjustable Pitch Curb - 2/12 to 6/12 (Full Perimeter)	Y7975	•	•	•			
	Y7976				•	•	•

CONTROLS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	•	•	•	•	•	•
Equipment Interface Module (EIM) - Required with iComfort® thermostats	10T50	•	•	•	•	•	•
ComfortSense® 7500 Thermostat	13H14	•	•	•	•	•	•
³ Outdoor Air Temperature Sensor	X2658	•	•	•	•	•	•
⁴ Discharge Air Temperature Sensor	88K38	•	•	•	•	•	•

¹ LRP14 models only.

² Filters are not furnished and must be field provided. Maximum acceptable filter efficiency is MERV 11.

³ Remote Outdoor Temperature Sensor is used with residential packaged units. Allows the thermostat to display outdoor temperature.

⁴ Used with the iComfort® S30 Thermostat for optional service diagnostics.



PACKAGED ELECTRIC / ELECTRIC LRP14AC

PRODUCT CATALOG

R-410A

SEER - 14.0 - 2 to 5 Tons

Net Cooling Capacity - 22,600 to 57,000 Btuh

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FEATURES

Refrigerant System

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

Scroll compressor

Copper tube with enhanced fin coils

Thermal Expansion Valve

Totally enclosed outdoor coil fan motor

Heavy-Duty Fan

Supply Air Blower

Multi-speed, direct drive blower motor

Controls

40VA transformer

Cabinet

Conditioned areas insulated to reduce sound levels and minimize heat loss.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to downflow airflow conversion furnished (shipped for horizontal).

Powder paint for maximum durability



ACCESSORIES

See page 3

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-Off Control
- Electric Heat - 5 to 20 kW
- Lifting Brackets
- Internal Filter Kits
- Roof Curbs
- Single Point Power Kits
- Thermostat

LIMITED WARRANTY

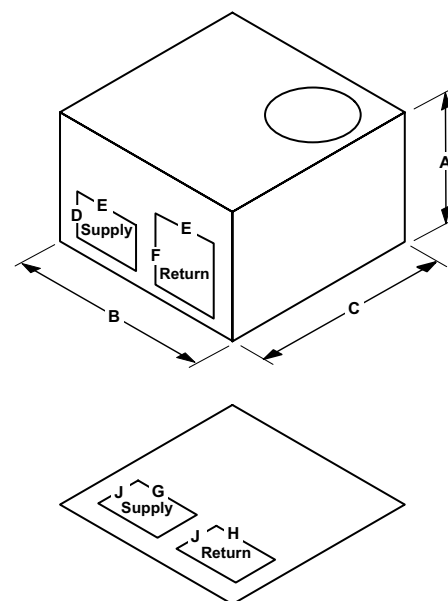
Compressor - ten years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

DIMENSIONS

Model No.	24 30 36	42 48 60
A	36-7/8 (937)	40-7/8 (1038)
B	46-3/4 (1187)	55-1/4 (1403)
C	46-3/4 (1187)	46-3/4 (1187)
D	14-1/4 (362)	14-1/4 (362)
E	13-3/8 (340)	18-1/8 (467)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-3/4 (502)
J	11-1/2 (292)	11-1/2 (292)



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SPECIFICATIONS

General Data		Model No.	LRP14AC24	LRP14AC30	LRP14AC36	LRP14AC42	LRP14AC48	LRP14AC60
Nominal Tonnage			2	2.5	3	3.5	4	5
Cooling Performance	Total cooling capacity - Btuh		22,600	28,400	34,000	40,000	46,000	57,000
	Total unit watts		2055	2580	3090	3635	4180	5180
	¹ SEER (Btuh/Watt)		14.00	14.00	14.00	14.00	14.00	14.00
	EER (Btuh/Watt)		11.00	11.00	11.00	11.00	11.00	11.00
	² Sound Rating Number (dB)		78	78	78	78	78	78
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge		4 lbs. 6 oz.	4 lbs. 13 oz.	4 lbs. 15 oz.	6 lbs. 12 oz.	6 lbs. 10 oz.	7 lbs. 13 oz.
Condensate drain size (fpt) - in.			3/4	3/4	3/4	3/4	3/4	3/4
Outdoor Coil Fan	Motor horsepower		1/6	1/6	1/6	1/4	1/4	1/4
	Diameter - in. & No. of blades		22 - 4	22 - 4	22 - 4	24 - 3	24 - 3	24 - 3
Indoor Blower	Blower wheel size dia. x width - in.		10 x 6	10 x 6	10 x 8	10 x 10	10 x 10	12 x 9
	Motor horsepower		1/3	1/3	1/3	1/3	1/2	1
Net weight of basic unit - lbs.			331	343	351	424	428	467
Shipping weight of basic unit (1 Pkg.) - lbs.			394	406	414	497	501	540
Electrical characteristics (60 hz)			208/230V-1ph-60hz					

ELECTRICAL DATA

Line voltage data - 60hz 1 phase		208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
³ Maximum overcurrent protection (amps)		25	30	30	40	40	60
⁴ Minimum Circuit Ampacity		16.7	18.7	20.6	24.4	26.9	38.9
Compressor	Rated load amps	11.2	12.8	14.1	15.9	17.9	23.7
	Locked rotor amps	60.8	64	72.2	85	96	152.5
Outdoor Coil Fan Motor	Full load amps	1.0	1.0	1.0	1.7	1.7	1.7
	Locked rotor amps	1.9	1.9	1.9	3.2	3.2	3.2
Indoor Blower Motor	Full load amps	1.7	1.7	2.0	2.8	2.8	7.6
	Locked rotor amps	3.9	3.9	4.4	5.4	6.8	- - -

¹ AHRI Certified to AHRI Standard 210/240; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air.

² Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

³ Filters are not furnished and must be field provided. NOTE - Order two filters for 42, 48 and 60 size units



Intertek

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PRODUCT CATALOG

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	LRP14AC					
			24	30	36	42	48	60
Compressor Crankcase Heater		11X27	•	•	•	•	•	•
Compressor Hard Start Kit	Copeland	10J42	•	•	•			•
	LG	88M91				•	•	
Compressor Timed-Off Control		47J27	•	•	•	•	•	•
Downflow Conversion Kit (includes drain pan overflow switch)		11U80	•	•	•			
		11U81				•	•	•
Drain Pan Overflow Switch		11U75	•	•	•	•	•	•
Electric Heat Size - 208/240V-1ph	5 kW - PHK05BP	10W47	•	•	•	•	•	•
	7.5 kW - PHK07BP	10W48	•	•	•	•	•	•
	10 kW - PHK10BP	10W49	•	•	•	•	•	•
	15 kW - PHK15BP	10W50			•	•	•	•
	20 kW - PHK20BP	10W51				•	•	•
¹ Internal Filter Rack Kit (Filters Not Furnished)	(1) 20 x 20 + (1) 14 x 20	11U73	•	•	•			
	(2) 20 x 20	11U74				•	•	•
Lifting Brackets		11U76	•	•	•	•	•	•
Clip Curb	8 inch height	14W71	•	•	•			
		14W72				•	•	•
	14 inch height	14V68	•	•	•			
		14V69				•	•	•
Adjustable Pitch Curb - 2/12 to 6/12		Y7975	•	•	•			
		Y7976				•	•	•
Single Point Power Kits	For 5 kW Electric Heat ASPWR813-1	13W88	•	•	•	•	•	•
	For 7.5 kW Electric Heat ASPWR814-1	13W89	•	•	•	•	•	•
	For 10 kW Electric Heat ASPWR815-1	13W90	•	•	•	•	•	•
	For 15-20 kW Electric Heat ASPWR816-1	13W91			•	•	•	•

CONTROLS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	•	•	•	•	•	•
Equipment Interface Module (EIM) - Required with iComfort® thermostats	10T50	•	•	•	•	•	•
ComfortSense® 7500 Thermostat	13H14	•	•	•	•	•	•
² Outdoor Air Temperature Sensor	X2658	•	•	•	•	•	•
³ Discharge Air Temperature Sensor	88K38	•	•	•	•	•	•

¹ Filters are not furnished and must be field provided.

² Remote Outdoor Temperature Sensor is used with residential packaged units. Allows the thermostat to display outdoor temperature.

³ Used with the iComfort® S30 Thermostat for optional service diagnostics.



PACKAGED HEAT PUMPS LRP16HP

PRODUCT CATALOG

R-410A - Two-Stage Heating/Cooling - SEER - 16.0 - 2 to 5 Tons
Net Cooling Capacity - 23,800 to 57,000 Btuh
Heating Capacity - 22,000 to 56,000 Btuh

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FEATURES

Refrigerant System

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

Two-Stage Scroll Compressor

Copper tube with enhanced fin coils

Check / Expansion Valve

Reversing Valve

Totally enclosed outdoor coil fan motor

Heavy-Duty Fan

Supply Air Blower

Variable speed, direct drive blower motor.

Controls

Electronic Blower Control

High Pressure Switch

Low Pressure Switch

Defrost Control with integrated anti-short cycle

40VA transformer furnished.

Cabinet

Conditioned areas insulated to reduce sound levels and minimize heat loss.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to downflow airflow conversion furnished (shipped for horizontal).

Powder paint for maximum durability



ACCESSORIES

See page 5

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-Off Control
- Electric Heat - 5 to 20 kW
- Internal Filter Rack Kits
- Lifting Brackets
- Healthy Climate® PCO Accessory
- Roof Curbs
- Single Point Power Kits
- Thermostat

LIMITED WARRANTY

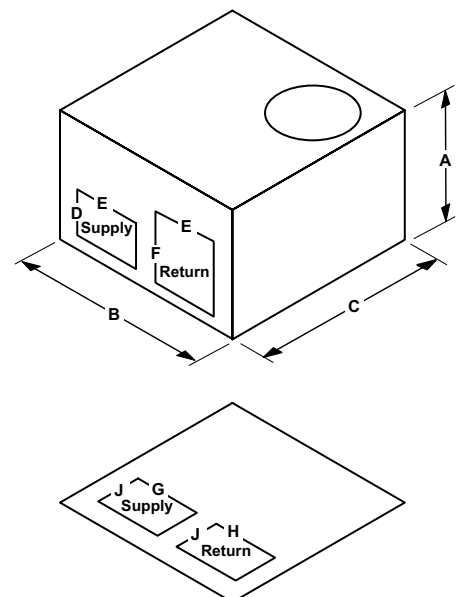
Compressor - ten years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	24 36	48 60
A	36-7/8 (937)	40-7/8 (1038)
B	46-3/4 (1187)	55-1/4 (1403)
C	46-3/4 (1187)	46-3/4 (1187)
D	14-1/4 (362)	14-1/4 (362)
E	13-3/8 (340)	18-1/8 (467)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-3/4 (502)
J	11-1/2 (292)	11-1/2 (292)

DIMENSIONS



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SPECIFICATIONS

General Data			Model No.	LRP16HP24	LRP16HP36	LRP16HP48	LRP16HP60
			Nominal Tonnage	2	3	4	5
Cooling / Heating Performance	Cooling	Total capacity - Btuh	23,000	35,000	47,000	57,000	
		Total unit watts	1910	2910	3910	4950	
		¹ SEER (Btuh/Watt)	16.00	16.00	16.00	15.50	
		EER (Btuh/Watt)	12.0	12.0	12.0	11.5	
	High Temp. Heat	Total capacity - Btuh	22,000	34,000	46,000	56,000	
		Total unit watts	1791	2770	3740	4440	
		COP	3.60	3.60	3.60	3.70	
		HSPF Region IV	8.20	8.20	8.20	8.20	
	Low Temp. Heat	Total capacity - Btuh	11,900	19,700	26,000	37,200	
		Total unit watts	1480	2530	3500	4250	
		COP	2.30	2.28	2.23	2.57	
		² Sound Rating Number (dB)	71	71	74	74	
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
			Charge	5 lbs. 5 oz.	8 lbs. 0 oz.	10 lbs. 8 oz.	10 lbs. 8 oz.
Condensate drain size (fpt) - in.				3/4	3/4	3/4	3/4
Outdoor Coil Fan		Motor horsepower	1/2	1/2	1/2	1/2	
		Diameter - in.	22	22	24	24	
		Number of blades	3	3	3	3	
Indoor Blower	Blower wheel size dia. x width - in.		10 x 6	10 x 8	10 x 10	12 x 9	
	Motor horsepower		1/2	1/2	3/4	1	
Net weight of basic unit - lbs.				375	410	490	505
Shipping weight of basic unit (1 Pkg.) - lbs.				438	473	563	578
Electrical characteristics (60 hz)				208/230V-1ph-60hz			

¹ AHRI Certified to AHRI Standard 210/240:**Cooling Ratings** - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.**High Temperature Heating Ratings** - 47°F db/43°F wb outdoor air temperature and 70°F entering indoor coil air.**Low Temperature Heating Ratings** - 17°F db/15°F wb outdoor air temperature and 70°F entering indoor coil air.² Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

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PACKAGED HEAT PUMPS LRP14HP

PRODUCT CATALOG

R-410A - SEER - 14.0 - 2 to 5 Tons
Net Cooling Capacity - 22,600 to 57,000 Btuh
Heating Capacity - 22,000 to 56,000 Btuh

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 Supersedes January 2018

FEATURES

Refrigerant System

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

Scroll compressor

Copper tube with enhanced fin coils

Check / Expansion Valve

Reversing Valve

Totally enclosed outdoor coil fan motor

Heavy-Duty Fan

Supply Air Blower

Multi-speed, direct drive blower motor

Controls

High Pressure Switch

Low Pressure Switch

Defrost Control with integrated anti-short cycle

40VA transformer furnished.

Cabinet

Conditioned areas insulated to reduce sound levels and minimize heat loss.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to downflow airflow conversion furnished (shipped for horizontal).

Powder paint for maximum durability



ACCESSORIES

See page 5

- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-Off Control
- Electric Heat - 5 to 20 kW
- Internal Filter Kits
- Lifting Brackets
- Roof Curbs
- Single Point Power Kits
- Thermostat

LIMITED WARRANTY

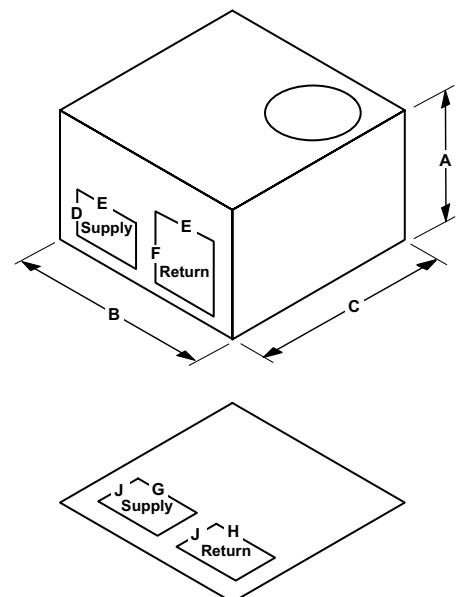
Compressor - ten years

All other covered components - five years

Refer to Lennox Equipment Limited Warranty certificate included with equipment for details

Model No.	24 30 36	42 48 60
A	36-7/8 (937)	40-7/8 (1038)
B	46-3/4 (1187)	55-1/4 (1403)
C	46-3/4 (1187)	46-3/4 (1187)
D	14-1/4 (362)	14-1/4 (362)
E	13-3/8 (340)	18-1/8 (467)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-3/4 (502)
J	11-1/2 (292)	11-1/2 (292)

DIMENSIONS



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SPECIFICATIONS

General Data			Model No.	LRP14HP24	LRP14HP30	LRP14HP36	LRP14HP42	LRP14HP48	LRP14HP60
Nominal Tonnage				2	2.5	3	3.5	4	5
Cooling / Heating Performance	Cooling	Total capacity - Btuh		22,600	28,600	34,000	40,000	46,000	57,000
		Total unit watts		2055	2600	3090	3635	4180	5180
		¹ SEER (Btuh/Watt)		14.00	14.00	14.00	14.00	14.00	14.00
		EER (Btuh/Watt)		11.00	11.00	11.00	11.00	11.00	11.00
	High Temp. Heat	Total capacity - Btuh		22,000	27,000	33,400	39,000	45,000	56,000
		Total unit watts		1700	2140	2645	3175	3565	4440
		COP		3.80	3.70	3.70	3.60	3.70	3.70
		HSPF Region IV / Region V		8.00 / 6.95	8.00 / 6.95	8.00 / 6.95	8.00 / 6.95	8.00 / 6.95	8.00 / 6.95
	Low Temp. Heat	Total capacity - Btuh		12,300	15,900	20,000	23,600	27,000	33,600
		Total unit watts		1570	2025	2550	3010	3445	4105
		COP		2.30	2.30	2.30	2.30	2.30	2.40
		² Sound Rating Number (dB)		78	78	78	78	78	78
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
			Charge	5 lbs. 11 oz.	6 lbs. 0 oz.	5 lbs. 12 oz.	10 lbs. 5 oz.	10 lbs. 3 oz.	10 lbs. 1 oz.
Condensate drain size (fpt) - in.				3/4	3/4	3/4	3/4	3/4	3/4
Outdoor Coil Fan		Motor horsepower		1/6	1/6	1/6	1/4	1/4	1/4
		Diameter - in.		22	22	22	24	24	24
		Number of blades		4	4	4	3	3	3
Indoor Blower	Blower wheel size dia. x width - in.			10 x 6	10 x 6	10 x 8	10 x 10	10 x 10	12 x 9
	Motor horsepower			1/4	1/4	1/3	1/3	1/2	1
Net weight of basic unit - lbs.				333	342	352	455	460	482
Shipping weight of basic unit (1 Pkg.) - lbs.				396	405	415	528	533	555
Electrical characteristics (60 hz)				208/230V-1ph-60hz					

¹ AHRI Certified to AHRI Standard 210/240:**Cooling Ratings** - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.**High Temperature Heating Ratings** - 47°F db/43°F wb outdoor air temperature and 70°F entering indoor coil air.**Low Temperature Heating Ratings** - 17°F db/15°F wb outdoor air temperature and 70°F entering indoor coil air.² Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.**Intertek**

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	LRP14HP, LRP16HP					
			24	¹ 30	36	¹ 42	48	60
Compressor Crankcase Heater		11X27	•	•	•	•	•	•
Compressor Hard Start Kit	Copeland	10J42	•	•	•		•	•
	LG	88M91				•		
Downflow Conversion Kit (LRP16 includes drain pan overflow switch)		11U80	•	•	•			
		11U81				•	•	•
Drain Pan Overflow Switch - For LRP14 Models Only		11U75	•	•	•	•	•	•
Compressor Timed Off Control		42J27	•	•	•	•	•	•
Electric Heat Size - 208/240V-1ph	5 kW - PHK05BP	10W47	•	•	•	•	•	•
	7.5 kW - PHK07BP	10W48	•	•	•	•	•	•
	10 kW - PHK10BP	10W49	•	•	•	•	•	•
	15 kW - PHK15BP	10W50			•	•	•	•
	20 kW - PHK20BP	10W51				•	•	•
² Internal Filter Rack Kit (Filters Not Furnished)	(1) 20 x 20 + (1) 14 X 20	11U73	•	•	•			
	(2) 20 x 20	11U74				•	•	•
Healthy Climate® PCO Accessory For LRP16 Models Only		Y7960	•		•		•	•
PCO Accessory Maintenance Kit for LRP16 (Includes PureAir® Cartridge and UVA lamp)		Y7972	•		•		•	•
Lifting Brackets		11U76	•	•	•	•	•	•
Clip Curb	8 inch height	14W71	•	•	•			
		14W72				•	•	•
	14 inch height	14V68	•	•	•			
		14V69				•	•	•
Adjustable Pitch Curb - 2/12 to 6/12		Y7975	•	•	•			
		Y7976				•	•	•
Single Point Power Kits	For 5 kW Electric Heat ASPWR813-10	13W88	•	•	•	•	•	•
	For 7.5 kW Electric Heat ASPWR814-10	13W89	•	•	•	•	•	•
	For 10 kW Electric Heat ASPWR815-10	13W90	•	•	•	•	•	•
	For 15-20 kW Electric Heat ASPWR816-10	13W91			•	•	•	•

CONTROLS - ORDER SEPARATELY

iComfort® S30 Thermostat	12U67	•	•	•	•	•	•
Equipment Interface Module (EIM) - Required with iComfort® thermostats	10T50	•	•	•	•	•	•
ComfortSense® 7500 Thermostat	13H14	•	•	•	•	•	•
³ Outdoor Air Temperature Sensor	X2658	•	•	•	•	•	•
⁴ Discharge Air Temperature Sensor	88K38	•	•	•	•	•	•

¹ LRP14 models only.

² Filters are not furnished and must be field provided. Maximum acceptable filter efficiency is MERV 11.

³ Remote Outdoor Temperature Sensor is recommended for heat pump balance point control and to lock out some of the the electric heating elements where two-stage control is applicable. Also allows the thermostat to display outdoor temperature.

⁴ Used with the iComfort® S30 Thermostat for optional service diagnostics.



PRODUCT CATALOG

INDOOR AIR QUALITY PCO3 HEALTHY CLIMATE®

PUREAIR® Air Purification System

Page 1

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FEATURES

Multiple air purification technologies in a single, state-of-the-art unit.

Easy to install.

The UVA lights activate the catalyst on the PureAir™ Cartridge that destroys chemicals as they flow through the system, turning them into carbon dioxide and water vapor.

The system uses light (UVA), which reacts with a titanium dioxide-based chemical catalyst as air passes through it.

Contaminants are destroyed rather than transferred.

No toxic chemicals are used.

Pollutants are adsorbed on the surface of the catalyst and oxidized to carbon dioxide (CO₂) and water (H₂O).

Rather than just absorbing gaseous pollutants (as in carbon systems), the PCO3 provides a reduction of absolute toxicity as the gaseous products from the complete photocatalytic oxidation of volatile organic compounds are carbon dioxide and water.

MERV 16 Carbon Clean 16® media filter.

Pre-painted steel cabinet.

Front of unit is removable for service access.

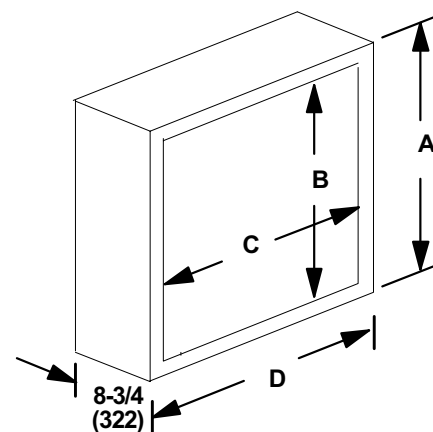
Three-prong, detachable 6-foot power cord for plug-in 120V electrical connection. Optional 230V cord and hard-wire kits are available.



LIMITED WARRANTY

All covered components - five years
Refer to Lennox Equipment Limited
Warranty certificate included with
equipment for details,

DIMENSIONS



	PCO3-14-16	PCO3-16-16	PCO3-20-16
A	21-1/8 (537)	17-1/2 (445)	21-1/8 (537)
B	18-1/2 (470)	14-5/8 (371)	18-1/2 (470)
C	20-1/4 (514)	23 (584)	23 (584)
D	23-3/4 (603)	26-1/2 (673)	26-1/2 (673)

SPECIFICATIONS

	Model No.	PCO3-14-16	PCO3-16-16	PCO3-20-16
Nominal airflow capacity - cfm		1400	1600	2000
Pressure drop (new unit) - in. w.g.		0.25	0.31	0.31
Pressure drop (end of recommended life) - in. w.g.		0.42	0.42	0.42
Ethanol destruction rate - mg/min. (single pass rated flow destruction rate @ 500 µg/m ³ ethanol)		2.5	3.0	4.0
Number of lamps		1	1	1
Filter size - H x D x W - in.	Nominal	20 x 21 x 5	16 x 26 x 5	20 x 26 x 5
	Actual	20 x 20-5/8 x 4-3/8	16-3/8 x 25-1/2 x 4-3/8	20 x 25-1/2 x 4-3/8
Filter life		Up to 12 months	Up to 12 months	Up to 12 months
Shipping Weight - lbs.		27	25	27
Electrical Data		120V or ¹ 230V - 1 phase - 60 hz (less than 1 amp)		
Power Consumption	120 Volt	58	58	58
	¹ 230 Volt	58	58	58

MAINTENANCE SUPPLIES - ORDER SEPARATELY

Annual Maintenance Kit (includes 1 of each per kit)	Catalog Number (1-pack)	Y6616	Y6612	Y6608
	Catalog Number (4-pack)	Y6618	Y6614	Y6610
MERV 16 Carbon Clean 16® Pleated Filter	Size - H x D x W - in.	20 x 21 x 5	16 x 26 x 5	20 x 26 x 5
UVA Lamp	Number of lamps	1	1	1
PureAir™ Cartridge	Size - H x D x W - in.	1-7/8 x 20 x 1	1-7/8 x 20 x 1	1-7/8 x 20 x 1
MERV 16 Carbon Clean 16® Pleated Filter	Catalog Number	Y6606	Y6605	Y6604
PureAir Cartridge	Catalog Number	Y6621	Y6607	Y6607

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Power Cord for 230V Operation	91X44	91X44	91X44
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¹ Optional 230V power cord is required and must be ordered extra.





INDOOR AIR QUALITY HC11 / HC16 HEALTHY CLIMATE®

PRODUCT CATALOG

MERV 11 and Carbon Clean 16™ (MERV 16) Media Air Cleaners

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FEATURES

NOTE - Cabinet and Filter must be ordered separately.

MERV 11 and Carbon Clean 16® (MERV 16) filters (Minimum Efficiency Reporting Value based on ASHRAE 52.2).

High performance filtration with a narrow 7 in. cabinet.

Pleated filter design allows maximum air flow and filtration efficiency.

Multi-position cabinet is available for installation on the return air opening of gas, oil or electric forced, warm air furnaces and air handlers with cooling applications up to 5 tons. The unit can be installed in upflow, downflow or horizontal unit applications.

Silent operation, requires no electrical component service, and generates no ozone.

Constant blower operation will achieve the best air cleaning results.

No duct transition needed for most furnace applications.

Cabinet constructed of pre-painted galvanized steel. Cabinet will withstand 400 lbs. static weight, enough to support the weight of a typical furnace and indoor coil or air handler.

Tool-less access door allows quick and easy replacement of filter media.

Mounts in any position. Air flow direction through the cabinet can be changed by repositioning the filter. Arrows on filter indicate air flow direction.

Cabinet is shipped compact and requires minimum field assembly. No tools required.

Filter media is certified to UL 900 standard and UL/ULC classification - Class 2.

Two Filter Types are available:
Boxed Filters have double-wall beverage board frame for rigid construction.



Filter Cabinet (With Filter in Place)



MERV 11 and Carbon Clean 16™ (MERV 16) Filters



Expandable Filter Kits consist of expandable filter media and reusable filter frame (MERV 16 kits include reusable filter spacers). Kits are shipped compact for field assembly.

Carbon Clean 16™ (MERV 16) Box Filters

50% first-pass reduction of ozone.
Carbon coated fiber matrix reduces odors.

Hospital inpatient care/general surgery level filtration.

Removes over 95% of E1 (sub-micron) particles down to 0.3-1 microns.

Removes over 99% of E2 particles down to 1-3 microns.

Removes over 90% of ultra-fine particles down to 0.01 micron, including viruses and bacteria.

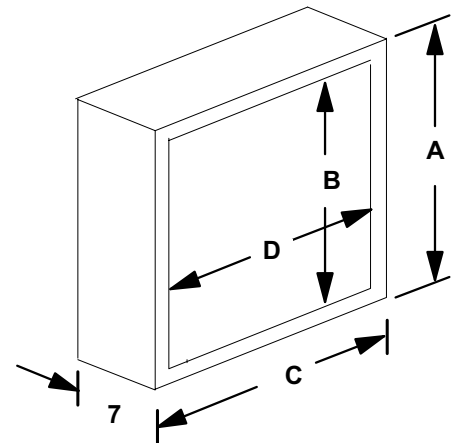
LIMITED WARRANTY

Cabinet has a five year limited warranty in residential applications, one year in non-residential applications.

Filter media is not covered.

Refer to Healthy Climate Equipment Limited Warranty certificate included with cabinet for specific details.

DIMENSIONS



	HCC14-23	HCC16-28	HCC20-28
A	21-1/4	17-1/4	21
B	18-3/4	15	18-1/2
C	23	28-1/2	28-1/2
D	18-1/2	24	24

SPECIFICATIONS

General Data	Cabinet Model No.	HCC14-23	HCC16-28	HCC20-28	HCC14-23	HCC16-28	HCC20-28
	Filter Model No. (Box Filter)	HCF14-11	HCF16-11	HCF20-11	HCF14-16	HCF16-16	HCF20-16
	Filter Model No. (Expandable Filter Kit)	HCXF14-11	HCXF16-11	HCXF20-11	HCXF14-16	HCXF16-16	HCXF20-16
¹ MERV (Minimum Efficiency Reporting Value) rating		11	11	11	16	16	16
Air Flow	Air flow range - cfm	800 - 1400	800 - 1600	1400 - 2000	800 - 1400	800 - 1600	1400 - 2000
	Rated air flow - cfm	1400	1600	2000	1400	1600	2000
Filter Data	Nominal Filter size - in.	20 x 20 x 5	16 x 25 x 5	20 x 25 x 5	20 x 20 x 5	16 x 25 x 5	20 x 25 x 5
	Actual Filter size - in.	20 x 19-3/4 x 4-3/8	15-3/4 x 24-3/4 x 4-3/8	19-3/4 x 24-3/4 x 4-3/8	20 x 19-3/4 x 4-3/8	15-3/4 x 24-3/4 x 4-3/8	19-3/4 x 24-3/4 x 4-3/8
	Pressure drop @ rated flow in. w.c. - Initial	HCF - Initial	0.25	0.27	0.27	0.29	0.31
		- Final	0.40	0.40	0.40	0.40	0.40
	HCXF - Initial	0.27	0.30	0.27	0.29	0.31	0.31
		- Final	0.40	0.40	0.40	0.40	0.40
	² Filter estimated service life (months)		up to 12 months				
Shipping weight - lbs.	Cabinet	15	17	18	15	17	18

MAINTENANCE SUPPLIES - ORDER SEPARATELY

Replacement filter media for Expandable Filter Kits	X8311	X8309	X8310	X8314	X8312	X8313
Replacement filter media for Box Filter Kits	X0585	X6670	X6673	X7935	X6672	X6675

¹ Rated at 492 feet per minute² Factors will influence the frequency of replacement of filter media, such as: the number of people in the home, activities, lifestyle, number of pets, and size of home.

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INDOOR AIR QUALITY CARBON CLEAN 16™ FILTERS HEALTHY CLIMATE®

PRODUCT CATALOG

Boxed Filters

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FEATURES

Disposable, pleated MERV 16 filters (Minimum Efficiency Reporting Value based on ASHRAE 52.2).

50% first-pass reduction of ozone.

Carbon coated fiber matrix reduces odors.

Hospital inpatient care/general surgery level filtration.

Removes over 95% of E1 (sub-micron) particles down to 0.3-1 microns.

Removes over 99% of E2 particles down to 1-3 microns.

Removes over 90% of ultra-fine particles down to 0.01 micron, including viruses and bacteria.

Double-wall beverage board frame for rigid construction.

Media is certified to UL 900 standard and UL/ULC classification - Class 2.



Nominal Filter Size (in.)	Brand	Replaces Filter for Air Cleaner Model:	Replaces Filter Media:	Order No.
16 x 25 x 5	Lennox	HCC16-28	HCF16-16, HCF16-11	X6672
	Honeywell	F25A1043, F25F1042, F35F1008, F100F1012, F150E1026, F200E1029	FC35A1001, FC100A1029, FC200E1029	
	Carrier	EZXCAB016, MACA016, MPKA016, FILCAB016	EXPXXFIL0016, EXPXXUNV0016, EXPXXLMC0016, FILCCCAR0016	
	Trion Air Bear™	Supreme 1400 455602-119	255649-105	
20 x 20 x 5	Lennox	HCC14-23	HCF14-16, HCF14-11	X7935
	Honeywell	F25F1018, F35F1016, F100F1020	203721 FC35A1019 FC100A1011	
20 x 25 x 5	Lennox	HCC20-28	HCF20-16, HCF20-11	X6675
	Honeywell	F25A1068, F25F1067, F35F1024, F100F1038, F150E1034, F200E1037	FC35A1027, FC100A1037, FC200E1037, F35Expandapac	
	Carrier	EZXCAB020, MACA020, MPKA020, FILCAB020	EXPXXFIL0020, EXPXXUNV0020, EXPXXLMC0020, FILCCCAR0020	
	Trion Air Bear™	453000-001 Supreme 2000 455602-001, 447380-002	255649-102, 229990-002, 229990-102	

Note - If Lennox Replacement filter does not fully engage top or bottom flanges in a competitor's filter cabinet, weather stripping maybe added to the bottom of filter to properly position the filter and prevent bypass air leakage.

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INDOOR AIR QUALITY MERV 11 FILTERS HEALTHY CLIMATE®

PRODUCT CATALOG

Boxed Filters

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FEATURES

MERV 11 (Minimum Efficiency Reporting Value) – Based on ASHRAE 52.2

Disposable, pleated filter media.
Available for replacement of existing air cleaner filters.



Nominal Filter Size (in.)	Brand	Replaces Filter for Air Cleaner Model:	Replaces Filter Media:	Order No.
16 x 25 x 3	Lennox	BMAC-12C	X0581	X0581
	Trion	Air Bear™	Air Bear™	
16 x 20 x 5	Lennox		X0582	X0582
	Honeywell	F25F1075 F35F1032 F100F1004	209894 FC35A1035 FC100A1003	
16 x 25 x 5	Lennox		X0583	X0583
	Honeywell	F25F1000 F35F1008 F100F1012	203719 FC35A1001 FC100A1029	
16 x 25 x 5	Lennox	HCC16-28	HCF16-11	X6670
	Honeywell	F25A1043 F25F1042 F35F1008 F100F1012 F150E1026 F200E1029	FC35A1001 FC100A1029 FC200E1029	
	Carrier	EZXCAB016 MACA016 MPKA016 FILCAB016	EXPXXFIL0016 EXPXXLMC0016 EXPXXUNV0016 FILCCCAR0016	
	Trion	Supreme 1400 455602-119	255649-105	
16 x 26 x 5	Lennox	BMAC-14CE	X0584	X0584
	White Rodgers	ACB1400	FR1400	
20 x 20 x 5	Lennox	HCC14-23	HCF14-11 HCF14-16 X0585	X0585
	Honeywell	F25A1018 F35F1016 F100F1020	203721 FC35A1019 FC100A1011	
20 x 25 x 5	Lennox	BMAC-20C	X0586	X0586
	Honeywell	F25F1026 F35F1024 F100F1038	203720 FC35A1027 FC100A1037	
20 x 25 x 5	Lennox	HCC20-28	HCF20-11	X6673
	Honeywell	F25A1068 F25F1067 F35F1024 F100F1038 F150E1034 F200E103	FC35A1027 FC100A1037 FC200E1037 F35Expandapac	
	Carrier	EZXCAB020 MACA020 MPKA020 FILCAB020	EXPXXFIL0020 EXPXXLMC0020 EXPXXUNV0020 FILCCCAR0020	
	Trion	453000-001 Supreme 2000 447380-002	255649-102 229990-002 229990-102	
20 x 25 x 5	Lennox	¹ BMAC-20C MF1-20	X0586 X1152 92G07	X1152
	Trion	¹ Trion Air Bear	229990-102	
20 x 26 x 5	Lennox	BMAC-20CE	X0587	X0587
	White Rodgers	ACB2000	FR2000	

Note – If Lennox Replacement filter does not fully engage top or bottom flanges in a competitor's filter cabinet, weather stripping maybe added to the bottom of filter to properly position the filter and prevent bypass air leakage.

¹ Alternate filter replacement with higher dust holding capacity.

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INDOOR AIR QUALITY MERV 16 FILTERS HEALTHY CLIMATE®

PRODUCT CATALOG

Expandable Filter Kits

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FEATURES

MERV 16 (Minimum Efficiency Reporting Value) - Based on ASHRAE 52.2

Replaceable Expandable Filter Media in Reusable Filter Frame
Disposable, expandable pleated filter media. Available for replacement of existing air cleaner filters.
Shipped complete with reusable filter frame, expandable filter media and filter spacers. Some assembly required.



Nominal Filter Size (in.)	Brand	Replaces Filter for Air Cleaner Model:		Replaces Filter Media:		Complete Kit Order No.	Replacement Filter Media Order No.
16 x 25 x 5	Lennox	HCC16-28		HCF16-16 HCF16-11	HCXF16-16 HCXF16-11	X8306	X8312
	Honeywell	F25A1043 F35F1008 F100F1012	F25F1042 F200E1029 F150E1026	FC35A1001 FC100A1029	FC200E1029		
	Carrier	EZXCAB016 FILCAB016	MACA016 MPKA016	EXPXXUNV0016 EXPXXLMC0016	EXPXXFIL0016 FILCCCAR0016		
	Trion Air Bear™	Supreme 1400	455602-119	255649-105			
20 x 20 x 5	Lennox	HCC14-23		HCF14-16 HCF14-11	HCXF14-16 HCXF14-11	X8308	X8314
	Honeywell	F25F1018 F100F1020	F35F1016	203721 FC35A1019	FC100A1011		
20 x 25 x 5	Lennox	HCC20-28		HCF20-16 HCF20-11	HCXF20-16 HCXF20-11	X8307	X8313
	Honeywell	F25A1068 F35F1024 F150E1034	F25F1067 F100F1038 F200E1037	FC35A1027 F35Expandapac	FC100A1037 FC200E1037		
	Carrier	EZXCAB020 MPKA020	MACA020 FILCAB020	EXPXXUNV0020 EXPXXLMC0020	EXPXXFIL0020 FILCCCAR0020		
	Trion Air Bear™	453000-001 Supreme 2000	455602-001 447380-002	255649-102 229990-002	229990-102		

Note - If Lennox Replacement filter does not fully engage top or bottom flanges in a competitor's filter cabinet, weather stripping maybe added to the bottom of filter to properly position the filter and prevent bypass air leakage.

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INDOOR AIR QUALITY MERV 11 FILTERS HEALTHY CLIMATE®

PRODUCT CATALOG

Expandable Filter Kits

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FEATURES

MERV 11 (Minimum Efficiency Reporting Value) - Based on ASHRAE 52.2

Replaceable Expandable Filter Media in Reusable Filter Frame Disposable, expandable pleated filter media. Available for replacement of existing air cleaner filters.

Shipped complete with reusable filter frame and expandable filter media. Some assembly required.



Nominal Filter Size (in.)	Brand	Replaces Filter for Air Cleaner Model:		Replaces Filter Media:		Complete Kit Order No.	Replacement Filter Media Order No.
16 x 25 x 5	Lennox	HCC16-28		HCF16-11,	HCXF16-11	X8303	X8309
	Honeywell	F25A1043 F25F1042 F35F1008	F100F1012 F150E1026 F200E1029	FC35A1001 FC100A1029	FC200E1029		
	Carrier	EZXCAB016 MACA016,	MPKA016 FILCAB016	EXPXXFIL0016 EXPXXUNV0016	EXPXXLMC0016 FILCCCAR0016		
	Trion	Supreme 1400	455602-119	255649-105			
20 x 20 x 5	Lennox	HCC14-23		HCF14-11 HCXF14-11	HCF14-16 X0585	X8305	X8311
	Honeywell	F25A1018 F35F1016	F100F1020	203721 FC35A1019	FC100A1011		
20 x 25 x 5	Lennox	HCC20-28		HCF20-11	HCXF20-11	X8304	X8310
	Honeywell	F25A1068 F25F1067 F35F1024	F100F1038 F150E1034 F200E1037	FC35A1027 FC100A1037	FC200E1037 F35Expandapac		
	Carrier	EZXCAB020 MACA020	MPKA020 FILCAB020	EXPXXFIL0020 EXPXXUNV0020	EXPXXLMC0020 FILCCCAR0020		
	Trion	453000-001 Supreme 2000	455602-001 447380-002	255649-102 229990-002	229990-102		

Note – If Lennox Replacement filter does not fully engage top or bottom flanges in a competitor's filter cabinet, weather stripping may be added to the bottom of filter to properly position the filter and prevent bypass air leakage.



INDOOR AIR QUALITY MERV 8 FILTERS HEALTHY CLIMATE®

PRODUCT CATALOG

Pleated Filters

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FEATURES

Healthy Climate® MERV 8 pleated filter

MERV 8 (Minimum Efficiency Reporting Value) - Based on ASHRAE 52.2

1 in. thick disposable, pleated filter media.

Sold in packages of 4.



Filter Size		Catalog No. (Package of 4)
in.	mm	
14 x 20 x 1	356 x 508 x 25	91X23
15 x 20 x 1	381 x 508 x 25	91X24
16 x 20 x 1	406 x 508 x 25	98N46
20 x 20 x 1	508 x 508 x 25	98N43
14 x 25 x 1	406 x 635 x 25	98N45
16 x 25 x 1	406 x 635 x 25	98N42
18 x 25 x 1	457 x 635 x 25	91X25
20 x 25 x 1	508 x 635 x 25	98N44
25 x 25 x 1	635 x 635 x 25	91X26



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INDOOR AIR QUALITY HEPA HEALTHY CLIMATE®

HEPA Bypass Air Filtration System

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FEATURES

Designed for use in forced air systems or can be used independently.

Three-stage filtration process:

Stage one - the pre-filter removes large particulates.

Stage two - HEPA filter captures 99.97% of particulates 0.3 micron and larger.

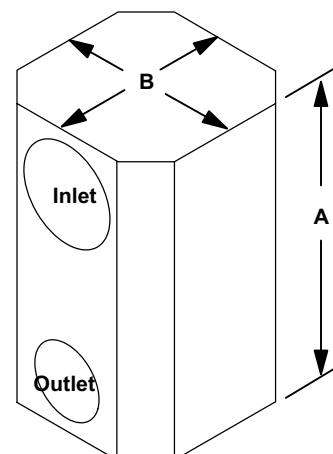
Stage three - carbon filter captures chemicals and odors from the air.

Cabinet is constructed of painted, heavy-gauge galvanized steel that is completely insulated.



All covered components - five years
Refer to Lennox Equipment Limited
Warranty certificate included with
unit for specific details.

DIMENSIONS



	HEPA-20	HEPA-40 HEPA-60
A	17-7/8 (454)	28 (711)
B	14 (356)	16-1/8 (410)
Connections (dia.)	Inlet 8 (203)	10 (254)
	Outlet 6 (152)	8 (203)

SPECIFICATIONS

	Model No.	HEPA-20	HEPA-40	HEPA-60
Nominal Air Flow at 120VAC and 0 in. w.g. external static pressure - cfm		180	320	500
Electrical characteristics		120V-60hz-1 ph		
Power Consumption		125 watts	125 watts	225 watts
Amp Draw		1	1	1.8
Connections - in.	inlet - round	8	10	10
	outlet - round	6	8	8
Operating Temperature Range		30 - 95°F	30 - 95°F	30 - 95°F
Shipping weight	lbs. - 1 package	30	44	49

OPTIONAL ACCESSORIES / MAINTENANCE ITEMS - ORDER SEPARATELY

Annual Maintenance Kits (charcoal filters, carbon pre-filter, O-ring)		X5803	X5804	X5804
Replacement Filter Media	HEPA	92X17	92X10	92X10
	Carbon Pre-filter	95X12	92X08	92X08
	Carbon Inner Filter	X2678	92X09	92X09
Carbon Canister		94X98	98X75	98X75
Interlock Kit		X2680	X2680	X2680

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INDOOR AIR QUALITY UVC HEALTHY CLIMATE®

PRODUCT CATALOG

Ultraviolet Germicidal Light

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FEATURES

Lights are designed to fit into a wide variety of applications including indoor coils, air handlers and supply and return air duct work.

Installation requires drilling a one inch diameter hole per lamp (two holes required for dual lamp model).

The lamp emits C-Band ultra-violet (UVC) energy at 253.7 nanometers, which is proven to be effective in reducing microbes such as viruses, bacteria, yeasts, and molds. This process either destroys the organism or controls its ability to reproduce. UVC germicidal light greatly reduces the growth and proliferation of mold and other bioaerosols (bacteria and viruses) on illuminated surfaces (particularly coil and drain pan). Surfaces must be cleaned prior to UVC light being installed.

Integrated safety interlock switch on lamp base prevents lamp operation when lamp is removed from lamp base for servicing.

Waterproof power cord fitting on lamp base holder assembly.



Light assembly consists of lamp holder sub-assembly (two for dual lamp model), enhanced ballast, lamp(s), and all necessary mounting hardware. Shielding baffle for lamp is available and must be ordered separately.

Lamp base with tool-less (twist-lock) lamp removal for servicing and replacement.

Low power consumption, high UVC output lamp(s).

Electronic rapid-start ballast.

Heavy-duty flexible 6 ft. power cord (18 AWG, SJT, UL rated) with in-line disconnect.

LED status indicators on ballast.

DIMENSIONS

		UVC-24V	UVC-41W-S UVC-41W-D
Ballast	Length	4-3/4 (121)	11-3/4 (298)
	Width	2-1/4 (57)	2-3/4 (70)
	Height	2 (51)	1-5/8 (41)
Lamp + holder - Overall length		17-1/2 (445)	



SPECIFICATIONS

Model No.		UVC-24V	UVC-41W-S	UVC-41W-D
Number of Lamps		1	1	2
¹ Microwatt/cm² Output		320	670	(2) 670
Shipping Data	lbs. - 1 package	4	6	7
Electrical Data	Voltage - 50/60 hz - 1 phase	² 24V	110/230V-1 phase	110/230V-1 phase
	Input Line Current (Amps)	1.0	1.3	1.3
	Input Power (W)	24	41	82

MAINTENANCE ITEMS / OPTIONAL ACCESSORIES - ORDER SEPARATELY

Replacement Lamp(s)	Blue Tip	16 in. Lamp	Y0390	•		
	Green Tip	16 in. Lamp	Y0391		•	³ •
Shielding Baffle		For 14 in. Lamp	Y5172	•	•	•
		For 16 in. Lamp	Y5171	•		
Transformer		120V/24V 40VA	42J32	•		
		120-240V/24V 75VA	12P61	•		

¹ Test conditions: new lamps, 500 fpm air velocity, 70°F air temperature, measured 12 in. from lamp.

² 24VA capacity step-down transformer required (not furnished).

³ Two lamps required.

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INDOOR AIR QUALITY UV HEALTHY CLIMATE®

Ultraviolet Germicidal Light

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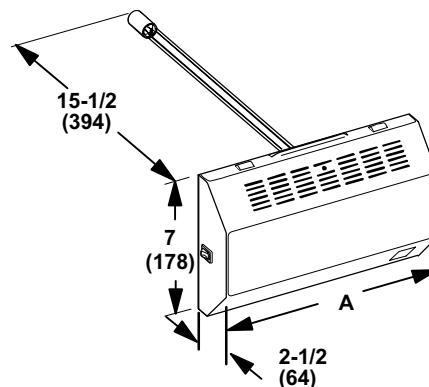
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FEATURES

- Ultraviolet Light Destroys and Controls Micro-Organisms (Viruses, Bacteria, Yeasts and Molds)
- Low Power Consumption
- Detachable 8 ft., three-prong power cord
- Low power consumption, high UVC output lamp(s)
- High Output Electronic Ballast
- Low Maintenance
- Air Seal Gasket
- External, UV-Proof Viewing Port
- Easily Installs in Return Air Duct or near Indoor Coil or Supply Air Duct
- Lighted On/Off Switch
- External Fuse



DIMENSIONS



	A
1000	11 (279)
2000	17 (432)

SPECIFICATIONS

General Data		Model No.	UV-1000	UV-2000
		Number of lamps	1	2
¹ Microwatt/cm ² Output			1496	2138
Shipping Data		lbs. - 1 package	9	12
Electrical Data	Voltage - 60 hz - 1 phase		120V	120V
	Input Line Current (Amps)		0.46	0.9
	Input Power (W)		56	108

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Remote Interlock Switch	64X53	Standard
Replacement lamp(s)	64X56	64X56 2 required

¹ Test conditions: new lamps, 500 cfm air flow, 50°F air temperature, measured 12 in. from lamp.

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PRODUCT CATALOG

INDOOR AIR QUALITY LVCS HEALTHY CLIMATE®

Lennox Ventilation Control System

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OVERVIEW

Whole-house ventilation for improved indoor air quality and comfort. Automatic monitoring of outdoor temperature and indoor relative humidity.

Compatible with any forced air HVAC system.

Digital Ventilation Controller is installed in the return duct of a forced air HVAC system.

Meets ASHRAE 62.22010 Standard for Ventilation.

Working in conjunction with the supplied damper, the Ventilation Controller determines when and how long to ventilate. This is done through continuous monitoring of indoor relative humidity, outdoor temperature, and user-adjusted timer settings.

Indoor relative humidity is monitored to help prevent high humidity conditions inside the house. The Digital Ventilation Controller will not open the damper to the outside air if there is a chance of raising the humidity inside the house to high levels.

The Digital Ventilation Controller prevents ventilation operation when indoor relative humidity is above 55% and the outside temperature is above 50°F to prevent excess indoor humidity levels.

The Digital Ventilation Controller operates in one of four available modes.

- Mode A: Timer Controlled Ventilation (no temperature or humidity limits)
- Mode B: Timer Controlled Ventilation (with temperature and humidity limits)
- Mode C: Timer Controlled Ventilation for Cold Climates (with temperature and humidity limits)
- Mode D: Timer Controlled Ventilation for Warm Climates (with temperature and humidity limits)



LIMITED WARRANTY

Two-year limited warranty in residential applications. Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

COMPONENTS

Kit (**X4141**) includes Digital Ventilation Controller, motorized damper, outdoor temperature sensor, "time only" resistor, and 24 VAC transformer.

Controller - Input: 22 to 30 VAC, 2.0VA nominal

Damper Output: 18 to 30 VAC, 10VA nominal

Temperature accuracy: $\pm 5^\circ\text{F}$

Relative Humidity Accuracy: $\pm 5\%$ RH

Ventilation Time: 0-60 minutes (selectable)

Must be installed at least 6 inches up-stream from fresh air intake duct, humidifier or humidifier bypass duct work.

Indoor Humidity is measured in the return duct with a sensor built into the Controller.

Controller Settings:

Ventilation Time - Set by the knob on front exterior of controller. Unlimited settings from Off to 60 minutes.

Test - "TEST" setting is all the way clockwise on the Ventilation Time knob. This setting is used to check the Controller at installation. In Test mode the Ventilation Controller activates the HVAC blower and opens the damper for one minute or until the knob is taken off the "Test" setting, whichever occurs first. After the minute has passed, the Ventilation Controller will not work until the knob is placed in the "off" position for several seconds then setting it to the desired ventilation time.

Outdoor Temperature Sensor -

Senses outdoor temperature and reports to the controller.

Sensor should be installed in the fresh air intake hood (field provided) or in the intake duct, no more than three feet from the outside wall.

If the outdoor temperature is above 100°F or below 0°F, the damper will not open.

Damper - 6 in. diameter, 10-3/4 in. length

Normally-closed, power-open 24 VAC / 0.31 amp / Two-wire

Transformer - 120V primary, 24 VAC secondary 10VA output



INDOOR AIR QUALITY HCWP3 HEALTHY CLIMATE®

PRODUCT CATALOG

Power Humidifier
18 Gallons Per Day

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FEATURES

Corrosion Resistant Plastic Housing
Distribution tray provides even water distribution.

Large Evaporative Capacity

24 Volt Brass Solenoid Valve

Saddle Valve

Duct Mount

Manual Humidistat models provide manual control of room relative humidity.

Automatic Humidifier Control models sense indoor relative humidity and outdoor temperature to adjust humidity setpoint to provide optimum humidity levels within the space.

Easy Service Access

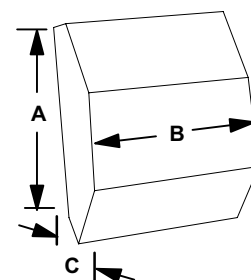


Automatic Humidifier Control (furnished with "A" Models)

Manual Humidistat (furnished with standard Models)



DIMENSIONS



	A	B	C
HCWP3-18	16	16	11-3/8
HCWP3-18A	(406)	(406)	(288)

LIMITED WARRANTY

All covered components - Five year limited warranty in residential applications, one year in non-residential applications.

Filter media is not covered.

Refer to Healthy Climate Equipment Limited Warranty certificate included with cabinet for specific details.



SPECIFICATIONS

Model No.	Manual Humidistat Control	HCWP3-18
	Automatic Humidifier Control	HCWP3-18A
Type		Power
Plenum Connection		Supply
Capacity	Air plenum temperature	120°F
	U.S. Gallons per day	18
Connections	Plenum - H x W - in.	14-5/16 x 14-3/4
in.	Water supply	1/4 compression
	Drain	1/2 I.D.
	Electrical	Power cord w/ 3-prong plug
Evaporator pad size - in.		13 x 10 x 1-11/16
Electrical characteristics		120V-60hz-1ph - 0.8 amp
Shipping weight - lbs. - 1 package		15
OPTIONAL ACCESSORIES		
Healthy Climate® Digital Automatic Humidistat		Y3760
MAINTENANCE SUPPLIES		
Replacement Media		X2661

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INDOOR AIR QUALITY HCWB3 HEALTHY CLIMATE®

PRODUCT CATALOG

FEATURES

Corrosion Resistant Plastic Housing
Right or Left-Hand Air Flow
Built-in Damper
Distribution tray provides even water distribution.
Large Evaporative Capacity
24 Volt Brass Solenoid Valve
Saddle Valve
Manual Humidistat models provide manual control of room relative humidity.
Automatic Humidifier Control models sense indoor relative humidity and outdoor temperature to provide optimum humidity levels within the space.
Easy Service Access



By-Pass Humidifier
12 to 17 Gallons Per Day

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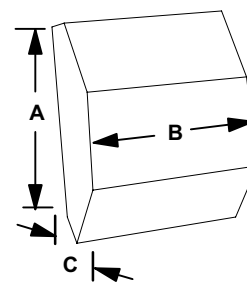


Automatic Humidifier Control (furnished with "A" Models)

Manual Humidistat (furnished with standard Models)



DIMENSIONS



	A	B	C
HCWB3-12	12-7/8	12	10-1/4
HCWB3-12A	(327)	(305)	(260)
HCWB3-17	15-7/8	12	10-1/2
HCWB3-17A	(403)	(305)	(267)

LIMITED WARRANTY

All covered components - Five year limited warranty in residential applications, one year in non-residential applications.
Filter media is not covered.
Refer to Healthy Climate Equipment Limited Warranty certificate included with cabinet for specific details.

SPECIFICATIONS

Model No.	Manual Humidistat Control	HCWB3-12	HCWB3-17
	Automatic Humidifier Control	HCWB3-12A	HCWB3-17A
	With Manual Humidistat Control and Installation Kit (Canada only)	HCWB3-12K	HCWB3-17K
	With Automatic Humidifier Control and Installation Kit (Canada only)	HCWB3-12AK	HCWB3-17AK
Type		By-Pass	By-Pass
Plenum Connection		Return	Return
Capacity	Air plenum temperature	120°F	120°F
	U.S. Gallons per day	12	17
Connections	Plenum - H x W - in.	9-1/2 x 9-1/2	12-3/4 x 10
	By-Pass Duct - in.	6 (round)	6 (round)
	Water supply	1/4 compression	1/4 compression
	Drain	1/2 I.D.	1/2 I.D.
	Electrical	Hard-wired	Hard-wired
Evaporator pad size - in.		9-1/2 x 9-5/8 x 1-11/16	13 x 10 x 1-11/16
Electrical characteristics		24V-60hz-1ph - 0.5 amp	24V-60hz-1ph - 0.5 amp
Shipping weight - lbs. - 1 package		8	9
OPTIONAL ACCESSORIES			
Healthy Climate® Digital Automatic Humidistat		Y3760	Y3760
MAINTENANCE SUPPLIES			
Replacement Media		X2660	X2661

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PRODUCT CATALOG

INDOOR AIR QUALITY HRV/ERV HEALTHY CLIMATE®

Heat Recovery Ventilator
Energy Recovery Ventilator

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FEATURES

Thermally Conductive Patented Aluminum Core Transfers Heat (HRV)
Enthalpic Core Transfers Moisture and Heat (ERV)
ERV Models Recommended for Areas With High Humidity
Recirculating Damper Defrost (HRV3-095, HRV3-150-TPD, HRV5-150, HRV5-200-TPD)
Damper Defrost (HRV3-195, HRV3-300)
Fan Defrost System (HRV3-150-TPF)
Remote, Wall Mount Dehumidistat / Ventilation Control furnished (HRV)
Digital 2 Speed / 4 Mode Control furnished (GDX Canada only)
Remote, Ventilation Control Furnished (ERV)
Capable of interlocking with indoor blower
Dual, Centrifugal Type Direct Drive Blower with multi-speed PSC Motor
Safety Interlock Switch
Washable, MERV 4 Air Filters in Exhaust and Supply Air Streams
Access Panels With Quick Release Catches
Fully Insulated Pre-painted Steel Cabinet
Control Box with control circuit board and transformer.
Terminal strip
Four Threaded Inserts Furnished for Hanging Unit
Condensate drain (HRV models)
3-prong 120VAC Plug-in Connection



HRV5-150



HRV3-150-TPD/TPF, HRV5-200-TPD



HRV3-095



ERV3-150-200

LIMITED WARRANTY

HRV Core - Limited lifetime
ERV Core - 5 years
All other covered components - 5 years
Refer to Limited Warranty Certificate included with the equipment for more details.

ACCESSORIES

Controls

- Five Speed/Four Mode Programmable Controller
- Wired 20/40/60 Minute Fan Timer
- Wireless 20/40/60 Minute Fan Timer
- Wireless Repeater

Air Balancing Tools

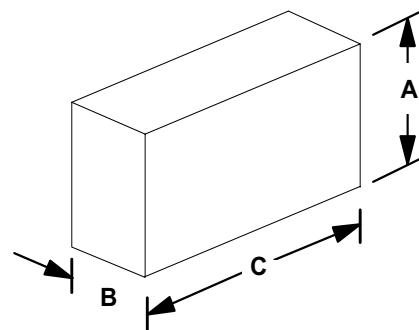
- Door Port Gauge Tube Set
- Digital Handheld Manometer
- Pitot Tubes
- Butterfly Balancing Damper
- Backdraft Damper

Ductwork

- Duct Heaters
- Flexible Ducts
- Hinged Kitchen Exhaust Grille
- Round Diffusers
- Weatherhood Kit

DIMENSIONS

	HRV3-095	HRV3-150	HRV5-150 ERV3-150 ERV3-200
A	24-1/2 (422)	17-1/4 (438)	19 (483)
B	19 (483)	14 (356)	14-3/4 (375)
C	19 (483)	22-3/4 (578)	33-5/8 (854)
	HRV5-200	HRV3-195 HRV3-300	
A	18-3/4 (476)	19 (483)	
B	14 (356)	14-3/4 (375)	
C	33-5/8 (854)	49 (1245)	



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SPECIFICATIONS - HRV

		Model No.	HRV3-095	HRV5-150	HRV3-150-TPD	HRV3-150-TPF
			¹ HRV3-095-GDX	¹ HRV5-150-GDX	¹ HRV3-150-TPD-GDX	¹ HRV3-150-TPF-GDX
		No. of Cores	Single	Single	Single	Single
ENERGY STAR® Qualified (Canada Only)			Yes	Yes	No	No
Performance	Sensible effectiveness @ 32°F		88% (60 cfm)	84% (59 cfm)	74% (66 cfm)	75% (66 cfm)
	Sensible efficiency (thermal) @ 32°F		75% (60 cfm)	75% (59 cfm)	61% (66 cfm)	66% (66 cfm)
	Sensible efficiency (thermal) @ -13°F		68% (61 cfm)	72% (64 cfm)	63% (76 cfm)	56% (76 cfm)
Blower	Air Flow (cfm)	0.1 in. w.g.	76	184	169	174
	vs. Static Pressure	0.2 in. w.g.	73	163	156	165
	(high speed)	0.3 in. w.g.	70	146	149	154
	(HVI Certified)	0.4 in. w.g.	66	132	136	143
		0.5 in. w.g.	60	115	126	132
		0.6 in. w.g.	---	92	116	120
		0.7 in. w.g.	---	60	103	107
		0.8 in. w.g.	---	---	89	95
Number of Speeds Available (with furnished control)			2	2	2	2
Number of Speeds Available (with optional control)			5	5	5	5
Defrost type			Recirculating	Recirculating	Recirculating	Fan
Door Port Balancing			No	Yes	Yes	Yes
Balancing Damper in Intake and Exhaust Collar			No	Yes	Yes	Yes
Duct Connections (No.) & diameter - inch			(2) 5 outside	(2) 6 outside	(2) 5 outside	(2) 5 outside
Ports			(2) 6 inside	(2) 6 inside	(2) 5 inside	(2) 5 inside
Condensate drain (o.d.) - in. (includes tee)			(2) 1/2	(2) 1/2	(2) 1/2	(2) 1/2
Shipping weight - lbs.			56	73	54	54

ELECTRICAL DATA

	Voltage	120 volts - 60 hertz - 1 phase			
	Blower HP (PSC type)	1/20	1/10	1/20	1/20
	Fan Watts - high speed @ 0.3 in. w.g.	150	118	110	118
	Fan Watts - low speed @ 0.3 in. w.g.	60	66	57	66
	Amp Rating	0.9	1.4	1.3	1.4

NOTE - Effectiveness is based on temperature difference between the 2 airstreams. Efficiency includes parasitic losses from fan operation.

¹ Canada only.**SPECIFICATIONS - HRV**

		Model No.	HRV5-200-TPD	HRV3-195	HRV3-300
			¹ HRV5-200-TPD-GDX		
		No. of Cores	Single	Dual	Dual
ENERGY STAR® Qualified (Canada Only)			Yes	Yes	Yes
Performance	Sensible effectiveness @ 32°F		85% (64 cfm)	86% (114 cfm)	90% (117 cfm)
	Sensible efficiency (thermal) @ 32°F		71% (164 cfm)	78% (114 cfm)	79% (117 cfm)
	Sensible efficiency (thermal) @ -13°F		68% (100 cfm)	72% (112 cfm)	70% (132 cfm)
Blower	Air Flow (cfm)	0.1 in. w.g.	203	216	232
	vs. Static Pressure	0.2 in. w.g.	193	195	212
	(high speed)	0.3 in. w.g.	183	181	202
	(HVI Certified)	0.4 in. w.g.	171	158	183
		0.5 in. w.g.	160	144	163
		0.6 in. w.g.	148	125	144
		0.7 in. w.g.	135	107	123
		0.8 in. w.g.	121	72	92
Number of Speeds Available (with furnished control)			2	2	2
Number of Speeds Available (with optional control)			5	5	5
Defrost type			Recirculating	Damper	Damper
Door Port Balancing			Yes	No	No
Balancing Damper in Intake and Exhaust Collar			Yes	No	No
Duct Connections (No.) & diameter - inch			(2) 6 outside	(2) 6 outside	(2) 6 outside
Ports			(2) 6 inside	(2) 7 inside (1) 6 defrost	(2) 7 inside (1) 6 defrost
Condensate drain (o.d.) - in. (includes tee)			(2) 1/2	(2) 1/2	(2) 1/2
Shipping weight - lbs.			67	108	108

ELECTRICAL DATA

	Voltage	120 volts - 60 hertz - 1 phase		
	Blower HP (PSC type)	1/10	1/10	1/4
	Fan Watts - high speed @ 0.3 in. w.g.	96	173	333
	Fan Watts - low speed @ 0.3 in. w.g.	64	64	150
	Amp Rating	1.4	1.5	2.9

NOTE - Effectiveness is based on temperature difference between the 2 airstreams. Efficiency includes parasitic losses from fan operation.

¹ Canada only.

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Installation and service must be performed by a qualified installer and servicing agency.

SPECIFICATIONS

Model No.			ERV3-150	ERV3-200
Number of Cores			Single	Single
Performance	Sensible effectiveness @ 32°F		81% (64 cfm)	76% (116 cfm)
	Sensible efficiency (thermal) @ 32°F		69% (64 cfm)	69% (116 cfm)
	Latent efficiency (moisture) 95°F		37% (64 cfm)	41% (117 cfm)
	Total efficiency 95°F		47% (64 cfm)	50% (117 cfm)
Blower	Air Flow (cfm) vs. Static Pressure (high speed)	0.1 in. w.g.	151	180
		0.2 in. w.g.	141	169
		0.3 in. w.g.	132	157
		0.4 in. w.g.	124	146
		0.5 in. w.g.	107	132
		0.6 in. w.g.	98	118
		0.7 in. w.g.	81	101
		0.8 in. w.g.	60	82
Number of Speeds Available (with furnished control)			1	1
Number of Speeds Available (with optional control)			5	5
Door Port Balancing			No	No
Balancing Damper in Intake and Exhaust Collar			Yes	Yes
Duct Ports Connections (No.) & diameter - inch			(2) 6 outside, (2) 6 inside	(2) 6 outside, (2) 6 inside
Shipping weight - lbs. (kg)			70 (32)	70 (32)

ELECTRICAL DATA

Voltage		120 volts - 60 hertz - 1 phase	
Blower HP (PSC type)		1/20	1/10
Fan Watts - high speed @ 0.3 in. w.g.		173	182
Fan Watts - low speed @ 0.3 in. w.g.		63	70
Amp Rating		1.4	1.4

NOTE - Effectiveness is based on temperature difference between the 2 airstreams.
Efficiency includes parasitic losses from fan operation.

Certain models have earned the ENERGY STAR® mark by meeting strict energy efficiency guidelines set by Natural Resources Canada and the U.S. EPA.
These models meet ENERGY STAR requirements only when used in Canada.



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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Model No.		HRV3-095	HRV3-150-TPD/TPF	HRV5-150	HRV5-200-TPD	HRV3-195	HRV3-300	ERV3-150	ERV3-200
Air Balancing Tools									
Door Port Gauge Tube Set		N/A	Y2207	Y2207	Y2207	N/A	N/A	N/A	N/A
Digital Handheld Manometer		Y6484	Y6484	Y6484	Y6484	Y6484	Y6484	Y6484	Y6484
Backdraft Damper	5 in. diameter	Y3728	Y3728	---	---	---	---	---	---
	6 in. diameter	---	---	Y3727	Y3727	Y3727	Y3727	Y3727	Y3727
Butterfly Damper	6 inch diameter	91X09	Furnished	Furnished	Furnished	---	---	Furnished	Furnished
	7 inch diameter	---	---	---	---	Field Provided	Field Provided	---	---
Controls									
¹ 5 Speed/4 Mode Controller		Y8250	Y8250	Y8250	Y8250	Y8250	Y8250	Y8250	Y8250
Wired 20/40/60 Minute Fan Timer		Y2169	Y2169	Y2169	Y2169	Y2169	Y2169	Y2169	Y2169
Wireless 20/40/60 Minute Fan Timer		Y8251	Y8251	Y8251	Y8251	Y8251	Y8251	Y8251	Y8251
Wireless Repeater		Y8252	Y8252	Y8252	Y8252	Y8252	Y8252	Y8252	Y8252
² Dual Hood		Y3813	Y3813	Y3813	Y3813	Y3813	N/A	Y3813	Y3813
Duct Heaters	6 in. diameter (1 kW)	97E73	97E73	97E73	97E73	97E73	97E73	97E73	97E73
	6 in. diameter (2 kW)	20N16	20N16	20N16	20N16	20N16	20N16	20N16	20N16
	7 in. diameter (2 kW)	97E74	97E74	97E74	97E74	97E74	97E74	97E74	97E74
	Voltage/Phase (60 Hz)	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1
	Amps - 1 kW Heater	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
	Amps - 2 kW Heaters	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
³ Flexible Ducts - No. & dia. - in.		(2) 5	(2) 5	(2) 6	(2) 6	(2) 6	(2) 6	(2) 6	(2) 6
Hinged Kitchen Exhaust Grille		18N48	18N48	18N48	18N48	18N48	18N48	18N48	18N48
Round Diffusers	4 in. diameter	92E54	92E54	92E54	92E54	92E54	92E54	92E54	92E54
	5 in. diameter	92E55	92E55	92E55	92E55	92E55	92E55	92E55	92E55
	6 in. diameter	92E56	92E56	92E56	92E56	92E56	92E56	92E56	92E56
	8 in. diameter	56N81	56N81	56N81	56N81	56N81	56N81	56N81	56N81
⁴ Weatherhood Kit (2 per kit)	5 in. diameter	92E66	92E66	92E66	92E66	92E66	92E66	92E66	92E66
	6 in. diameter	95P07	95P07	95P07	95P07	95P07	95P07	95P07	95P07
	7 in. diameter	17N11	17N11	17N11	17N11	17N11	17N11	17N11	17N11

¹ Furnished as standard with GDX models (Canada only). Optional for other models.

² See Pressure Drop Charts below for application.

³ Contact your Territory Manager for additional information.

⁴ Two Required, one for fresh air intake, one for stale air exhaust.



PRODUCT CATALOG

INDOOR AIR QUALITY HCWHD HEALTHY CLIMATE®

Whole-Home Dehumidifier
Nominal Capacity - 70 to 130 pints per day

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February 2018

Supersedes January 2018

FEATURES

Designed to control humidity throughout the home or in specific locations such as an attic or basement. Also used for air cycling and ventilation control.

Filter

Includes washable, MERV 8 (Minimum Efficiency Reporting Value) filter.

Compressor

R-410A, rotary-type compressor.

Blower

Blower assembly is a UL approved impeller type with backward curved centrifugal fan equipped with maintenance free ball bearings. Operates during both ventilation and dehumidification modes.

Cabinet

Constructed of 22 gauge, pre-painted steel. Interior is lined with 1/2 in., foil-faced, expanded polystyrene to eliminate noise, condensation and air loss. The supply outlet is equipped with a built-in backflow damper. Duct start collars are included.

Digital Onboard Control

Factory installed control handles operation of unit.



REQUIRED COMPONENTS

- Drain Pan

ACCESSORIES

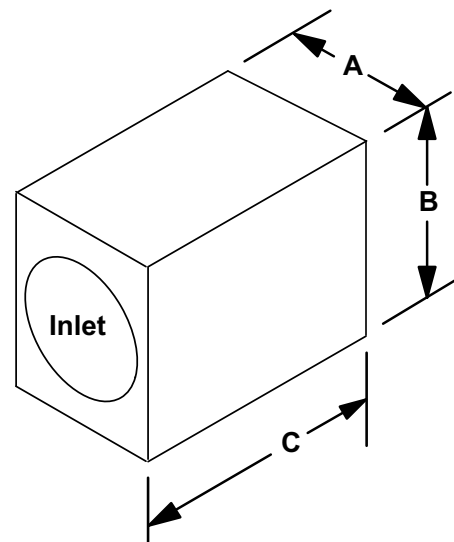
- Whole-Home Dehumidistat
- Basement Kit
- Ventilation and Zone Dampers
- Outdoor Air Temperature Sensor
- Transformer

LIMITED WARRANTY

All covered components – Limited five year warranty in residential applications, one year in non-residential applications.

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

DIMENSIONS



	A	B	C
HCWHD3-070	12-1/2 (318)	15-1/8 (384)	25 (635)
HCWHD3-095	12-1/2 (318)	15-1/8 (384)	27-1/2 (699)
HCWHD3-130	19-1/2 (495)	18-3/4 (476)	30 (762)

SPECIFICATIONS				
Model No.		HCWHD3-070	HCWHD3-095	HCWHD3-130
Energy Star Qualified		Yes	No	Yes
Capacity		¹ 70 pints per day	² 95 pints per day	³ 130 pints per day
Energy Factor		¹ 2.0 L/kW-h	² 2.2 L/kW-h	³ 2.9L/kW-h
Capacity in Non-Rating Conditions		70°F / 60% RH = 55 ppd 60°F / 60% RH = 40 ppd @ 155 cfm	70°F / 60% RH = 74 ppd 60°F / 60% RH = 52 ppd @ 245 cfm	70°F / 60% RH = 99 ppd 60°F / 60% RH = 72 ppd @310 cfm
Discharge Air Temperature Rise (°F)		10 - 30	10 - 30	10 - 30
Refrigerant		R-410A	R-410A	R-410A
Sound Level (dBA)	Ducted/Unducted	47/51	54/58	50/54
Connections - in.	Drain diameter (PVC)	⁴ 3/4	⁴ 3/4	⁴ 3/4
	Duct diameter	10	10	10
Operating Conditions (temperature, RH)	Inlet Air	50°F - 104°F, 40°F dewpoint minimum	50 - 104°F, 40° dewpoint minimum	50 - 104°F, 40°F dewpoint minimum
	Installation (ambient)	40°F - 140°F, 0 - 99% (non-condensing)	40 - 140°F, 0 - 99% RH (non-condensing)	40 - 140°F, 0-99% RH (non-condensing)
Blower Data	Air Flow	155 cfm @ 0.0 in. w.c.	245 cfm @ 0.0 in. w.c.	310 cfm @ 0.0 in. w.c.
	(external static pressure - dry coil)	115 cfm @ 0.2 in. w.c.	215 cfm @ 0.2 in. w.c.	270 cfm @ 0.2 in. w.c.
		70 cfm @ ⁵ 0.4 in. w.c.	185 cfm @ 0.4 in. w.c.	225 cfm @ 0.4 in. w.c.
		- - -	150 cfm @ ⁵ 0.6 in. w.c.	175 cfm @ 0.6 in. w.c.
		- - -	- - -	160 cfm @ ⁵ 0.7 in. w.c.
Filter	Type (washable) - Size - in.	MERV 8, 10 x 12 x 1	MERV 8, 10 x 12 x 1	MERV 8, 14 x 19 x 1
Electrical	General	120V - 60 hz - 1 ph	120V - 60 hz - 1 ph	120 V - 60 hz - 1 ph
	Power Supply	15 Amps	15 Amps	15 Amps
	Rated Amperage	¹ 6.3 Amps	² 8 Amps	³ 8.3 Amps
	Connection	8 ft.,3-prong power cord		
Shipping Weight - lbs.		76	79	122
REQUIRED COMPONENTS				
Drain Pan - 36 x 36 in. (required for attic installations)		25P64	25P64	25P64
OPTIONAL ACCESSORIES				
Basement Kit - includes 2-10 in. NO dampers, 2-10 in. NC dampers, one 24V, 40VA transformer.		Y6451	Y6451	Y6451
Dampers	Ventilation - 6 in. Normally Closed (NC)	X4152	X4152	X4152
	Ventilation - 10 in Normally Closed (NC)	Y6483	Y6483	Y6483
	Zone - 10 in. Normally Open (NO)	X4211	X4211	X4211
Damper	Damper Transformer 24V, 40VA	22N03	22N03	22N03
Transformers	(hardwired, operates 1 damper only)			
	Damper Transformer 24V, 40VA (plug in, operates up to 4 dampers)	Y7128	Y7128	Y7128
OPTIONAL CONTROLS				
iComfort® S30 Thermostat		12U67	12U67	12U67
iComfort Wi-Fi® Thermostat		10F81	10F81	10F81
Equipment Interface Module (EIM) NO Dual-Fuel capable non-comm. heat pumps		99W23	99W23	99W23
Equipment Interface Module (EIM) Dual-Fuel capable non-comm. heat pumps		10T50	10T50	10T50
⁶ Universal Bundle (EIM + iComfort Wi-Fi)		99W24	99W24	99W24
Outdoor Air Temperature Sensor		X2658	X2658	X2658
Discharge Air Temperature Sensor		88K38	88K38	88K38
ComfortSense® 7500 Thermostat		13H14	13H14	13H14
Whole-Home Dehumidistat		Y6456	Y6456	Y6456
⁷ Outdoor Air Temperature Sensor		58N66	58N66	58N66

¹ Rated capacity, Energy Factor test and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 155 cfm.

² Rated capacity, Energy Factor test and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 245 cfm.

³ Rated capacity, Energy Factor test and current draw measured in accordance with AHAM DH-1 2008 at 80°F/60% RH inlet air at 310 cfm.

⁴ Adaptor for threaded connection or plastic hose is furnished.

⁵ Maximum design external static.

⁶ Universal Bundle is not for dual-fuel operation with a non-communicating heat pump outdoor unit.

⁷ Required for Automatic Ventilation Modes. Connects directly to dehumidifier.

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PRODUCT CATALOG

INDOOR AIR QUALITY EDA

DAVE LENNOX SIGNATURE® COLLECTION

Humiditrol® Whole-Home Dehumidification System

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February 2018

Supersedes January 2018

FEATURES

OVERVIEW

The EDA unit is installed in an HVAC system downstream from the indoor coil or air handler. In dehumidification mode, the coil becomes an extension of the outdoor coil and rejects heat into the indoor air stream. This dehumidification mode allows significantly improved control of the humidity in the conditioned space without overcooling the space. The EDA unit includes a set of three-way diverter valves which route refrigerant through the EDA coil (Dehumidification ON), or which cause the refrigerant to bypass the EDA coil (Dehumidification OFF).

APPLICATIONS

The Humiditrol® Whole Home Dehumidification System is designed for use with Lennox R-410A outdoor units that are matched with either a furnace or air handler equipped with a variable speed blower motor. See EDA Match-up tables for specific matches available. Designed for R-410A expansion valve systems only. For indoor installations in either upflow or horizontal applications only. Height, space and air flow restrictions or the unit's stability in a stacked configuration will limit the use of downflow applications. Refer to Installation Instructions supplement Installing Humiditrol® EDA Unit in Downflow Configuration for more details.

Zoning Applications

The EDA Humiditrol Whole-Home Dehumidification System can be used with the Harmony III™ Zoning System.

A separate Humiditrol® Zoning Accessory must be used for proper operation. See Zoning section for additional information.



COMPONENTS

Dehumidification Coil

Durable copper tubing.
Ripple-edged aluminum fins.
Lanced fins provide maximum exposure of fin surface to air stream.
Rifled tubing provides superior refrigerant heat transfer.
Twin coil construction assembled in an "A" configuration for large surface area (036C and 060D models).
Single slab coil construction (024B model).
Sweat connections.
High pressure testing insures leakproof construction.

Combination Check/Flow Limiting Piston

Furnished with unit for field installation on the EDA unit.
Prevents refrigerant from flowing into the inactive components when the EDA coil is inactive.

Dual Refrigerant Diverter Valves

Heavy duty valves control refrigerant flow depending on mode.

3-Way Diverter Valve Actuator

Controls operation of refrigerant valves during EDA operation.
24VAC.

Three position actuator shaft for maintenance - Cooling, Evacuate or Bypass.

Outdoor Fan Relay and Wiring Harness

Required when EDA is used with outdoor units with multi-speed outdoor fans.

CONTROLS

- ComfortSense® 7500 Thermostat
2 Heat/2 Cool, Universal
- iComfort® S30 Thermostat

REQUIRED COMPONENTS

Insulation and Piping Kit

Kit includes all necessary piping, fittings and insulation required for EDA installation.

NOTE - Some model match-ups require a charge compensator to maintain the proper amount of refrigerant circulating in the system. The compensator stores excess refrigerant when the EDA coil is active and returns it to the system during normal cooling or heating operations. When the EDA coil is active, less charge is required to obtain the proper amount of subcooling because of the additional coil surface and the cooler air which passes over the EDA.

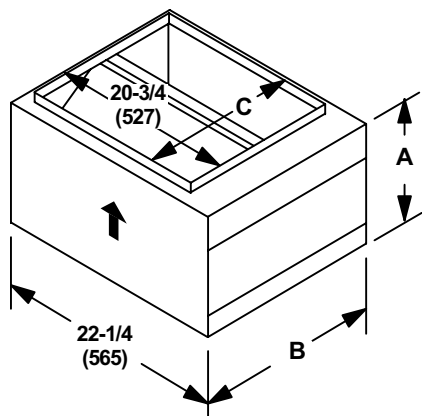
Charge compensator and related piping and insulation is furnished with certain Insulation and Piping Kits depending on the system match-up.

Transformer

75VA, 24VAC indoor unit transformer is required when EDA unit is installed with a two-stage heat pump system.

LIMITED WARRANTY

Five years limited warranty in residential applications.
Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

**DIMENSIONS**

Model Number	A		B		C		Inlet Air Opening			
	Width		Depth							
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
EDA-024B	12-1/4	311	17-1/2	445	16-1/8	422	16-1/8	422	20-1/8	511
EDA-036C	12-1/4	311	21	533	19-5/8	498	19-5/8	498	20-1/8	511
EDA-060D	14	356	24-1/2	622	23-1/8	597	21-1/8	597	20-1/8	511

SPECIFICATIONS

General Data		Model No.	EDA-024B	EDA-036C	EDA-060D
Line Connections (sweat)	Liquid to Indoor TXV o.d. - in.		3/8	3/8	3/8
	Liquid from Outdoor Unit o.d. - in.		3/8	3/8	3/8
	Check/Flow Restrictor to Vapor Line Tee o.d. - in.		3/8	3/8	3/8
	Charge Compensator o.d. - in.		1/4	1/4	1/4
EDA Coil	Net face area - sq. ft.		2.0	3.0	4.0
	Tube diameter - in.		3/8	3/8	3/8
	Fins per inch		20	20	14
	Number of rows		1	1	1
Shipping Data		lbs. - 1 package	35	39	47

CONTROLS - ORDER SEPARATELY

	Model No.	EDA-024B	EDA-036C	EDA-060D
iComfort® S30 Thermostat		12U67	12U67	12U67
iComfort WI-FI® Thermostat		10F81	10F81	10F81
¹ Remote Outdoor Temperature Sensor (for dual fuel, Humiditrol® and outdoor temperature display)		X2658	X2658	X2658
² Discharge Temperature Sensor		88K38	88K38	88K38
ComfortSense® 7500 Thermostat (4 heat / 2 cool, universal)		13H14	13H14	13H14
³ Remote Outdoor Temperature Sensor (required for Humiditrol)		X2658	X2658	X2658
Relay Kit (for CBX27UH air handlers)		26W62	26W62	26W62

¹ Remote Outdoor Sensor may be used with an iComfort® Communicating outdoor unit for a secondary (alternate) sensor reading. Sensor may also be used with a conventional outdoor unit.

² Optional for service diagnostics.

³ Remote Outdoor Temperature Sensor for ComfortSense 7500 Thermostat must be connected directly to the thermostat.

REQUIRED COMPONENTS - ORDER SEPARATELY

	Model No.	EDA-024B	EDA-036C	EDA-060D
ELECTRICAL				
⁴ Transformer		12P61 - 75VA, 120/208/240V primary, 24VAC secondary		
REFRIGERATION				
Insulation and Piping Kits		See EDA Match-Up tables for usage		

⁴ Required when EDA unit is installed with two-stage heat pump system.

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EDA MATCH-UPS - AIR CONDITIONERS

Outdoor Unit Model No.	EDA Model No.	Sensible to Total Ratio	Liters per kWh	Liters per Day	EDA Insulation and Piping Kit Catalog No.
13ACXN018	EDA-024B	0.30	3.2	88	98M62
13ACXN024	EDA-024B	0.31	3.1	112	98M62
13ACXN030	EDA-036C	0.31	3.1	140	98M62
13ACXN036	EDA-036C	0.33	3.5	189	98M62
13ACXN042	EDA-060D	0.38	3.4	216	98M62
13ACXN048	EDA-060D	0.39	3.4	253	98M62
13ACXN060	EDA-060D	0.39	3.4	317	98M62
14ACX(-)(S)018	EDA-024B	0.25	3.6	100	98M62
14ACX(-)(S)024	EDA-024B	0.30	3.6	126	98M62
14ACX(-)(S)030	EDA-036C	0.32	3.3	142	98M62
14ACX(-)(S)036	EDA-036C	0.36	3.5	173	98M62
14ACX(-)(S)042	EDA-060D	0.41	3.3	203	98M62
14ACX-048	EDA-060D	0.40	3.3	260	98M62
14ACX-060	EDA-060D	0.39	3.5	308	98M22
XC13N018	EDA-024B	0.30	3.2	88	98M62
XC13N024	EDA-024B	0.31	3.1	112	98M62
XC13N030	EDA-036C	0.31	3.1	140	98M62
XC13N036	EDA-036C	0.35	3.1	171	98M62
XC13N042	EDA-060D	0.42	3.0	186	98M62
XC13N048	EDA-060D	0.45	2.8	215	98M62
XC13N060	EDA-060D	0.45	2.9	263	98M62

SYSTEM MATCHES:

Must be one of the furnace or air handler models listed in the decision tree (See page 31) and must be a valid AHRI rated match (refer to outdoor unit Product Specifications Bulletin).

Upflow and Horizontal Coil + Furnace Transitions

Field fabricated transition from coil to EDA is required when coil or furnace width is different from EDA unit matched with the outdoor unit.

Air Handler Transitions

Transition is required with all air handler matches.

ADDITIONAL NOTES:

- The system is not equivalent to a dehumidifier and will not normally run continuously for 24 hours.
- Approximate, based on 80°F Indoor Dry Bulb, 69.6°F Indoor Wet Bulb and 82°F Outdoor Air Temperature.
- Actual will vary within ± 0.03 depending on final installation variables.
- Typical unit S/T at this condition Without EDA is approximately 0.53 - 0.60.
- Liters per kWh and liters per day are approximate instantaneous values at the specified condition.

EDA MATCH-UPS - AIR CONDITIONERS

Outdoor Unit Model No.	EDA Model No.	Sensible to Total Ratio	Liters per kWh	Liters per Day	EDA Insulation and Piping Kit Catalog No.
XC14-018	EDA-024B	0.25	3.6	100	98M62
XC14-024	EDA-024B	0.30	3.6	126	98M62
XC14-030	EDA-036C	0.32	3.3	142	98M62
XC14(-)(S)036	EDA-036C	0.36	3.5	173	98M62
XC14-042	EDA-060D	0.41	3.3	203	98M62
XC14-048	EDA-060D	0.40	3.3	260	98M62
XC14-060	EDA-060D	0.39	3.5	308	98M22
XC16-024	EDA-024B	0.32	3.5	129	98M62
XC16-036	EDA-036C	0.39	3.4	192	98M62
XC16-048	EDA-060D	0.43	3.2	234	98M62
XC16-060	EDA-060D	0.45	3.2	298	98M22
SL18XC1-024	EDA-024B	0.33	4.0	138	98M62
SL18XC1-030	EDA-036C	0.35	3.4	153	98M62
SL18XC1-036	EDA-036C	0.32	3.8	195	98M62
SL18XC1-042	EDA-060D	0.35	3.5	217	98M62
SL18XC1-048	EDA-060D	0.44	3.4	246	98M62
SL18XC1-060	EDA-060D	0.43	3.5	315	98M22
XC21-024	EDA-024B	0.28	3.2	123	94M44
XC21-036	EDA-036C	0.26	3.0	170	94M44
XC21-048	EDA-060D	0.30	2.9	226	94M44
XC21-060	EDA-060D	0.24	2.7	273	94M44

SYSTEM MATCHES:

Must be one of the furnace or air handler models listed in the decision tree (See page 31) and must be a valid AHRI rated match (refer to outdoor unit Product Specifications Bulletin).

Upflow and Horizontal Coil + Furnace Transitions

Field fabricated transition from coil to EDA is required when coil or furnace width is different from EDA unit matched with the outdoor unit.

Air Handler Transitions

Transition is required with all air handler matches.

ADDITIONAL NOTES:

- The system is not equivalent to a dehumidifier and will not normally run continuously for 24 hours.
- Approximate, based on 80°F Indoor Dry Bulb, 69.6°F Indoor Wet Bulb and 82°F Outdoor Air Temperature.
- Actual will vary within ± 0.03 depending on final installation variables.
- Typical unit S/T at this condition Without EDA is approximately 0.53 - 0.60.
- Liters per kWh and liters per day are approximate instantaneous values at the specified condition.

CBX27UH/CBX40UHV AIR HANDLER ADJUSTMENTS - AIR CONDITIONERS**13ACXN**

13ACXN018 + CBX27UH-018 - Rating Adjustment: S/T +0.06, liters per day -1.4

13ACXN024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

13ACXN030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

13ACXN036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liter per day -2.0

13ACXN036 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

13ACXN042 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

13ACXN042 + CBX27UH-048 - Rating Adjustment: S/T +0.03

13ACXN048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

13ACXN048 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1

13ACXN060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1

14ACX

14ACX (-)(S) 018 + CBX27UH-018 - Rating Adjustment: S/T +0.06, liters per day -1.4

14ACX (-)(S) 024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

14ACX (-)(S) 030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

14ACX (-)(S) 036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

14ACX (-)(S) 042 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

14ACX-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

14ACX-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

XC13N

XC13N-018 + CBX27UH-018 - Rating Adjustment: S/T +0.06, liters per day -1.4

XC13N-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

XC13N-030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

XC13N-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XC13N-042 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

XC13N-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

XC13N-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

CBX27UH/CBX40UHV AIR HANDLER ADJUSTMENTS - AIR CONDITIONERS**XC14**

XC14-018 + CBX27UH-018 - Rating Adjustment: S/T +0.06, liters per day -1.4

XC14-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

XC14-030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

XC14(-)(S)036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XC14-042 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

XC14-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

XC14-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

XC16

XC16-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

XC16-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XC16-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03.

XC16-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

SL18XC1

SL18XC1-024 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

SL18XC1-030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

SL18XC1-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

SL18XC1-042 + CBX27UH-042 - Rating Adjustment: S/T +0.02

SL18XC1-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

SL18XC1-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

XC21

XC21-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

XC21-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XC21-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

XC21-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2, liters per kWh -0.1

EDA MATCH-UPS - HEAT PUMPS

Outdoor Unit Model No.	EDA Model No.	Sensible to Total Ratio	Liters per kWh	Liters per Day	EDA Insulation and Piping Kit Catalog No.
14HPX-018	EDA-024B	0.26	3.5	96	94M44
14HPX-024	EDA-024B	0.36	3.6	130	98M22
14HPX-030	EDA-036C	0.34	3.3	145	98M22
14HPX-036	EDA-036C	0.41	3.3	165	94M44
14HPX-042	EDA-060D	0.39	3.5	218	94M44
14HPX-048	EDA-060D	0.44	3.5	250	98M22
14HPX-060	EDA-060D	0.40	3.5	304	94M44
XP14-018	EDA-024B	0.26	3.5	96	94M44
XP14-024	EDA-024B	0.36	3.6	130	98M22
XP14-030	EDA-036C	0.34	3.3	145	98M22
XP14-036	EDA-036C	0.41	3.3	165	94M44
XP14-042	EDA-060D	0.39	3.5	218	94M44
XP14-048	EDA-060D	0.44	3.5	250	98M22
XP14-060	EDA-060D	0.40	3.5	304	94M44
XP16-024	EDA-024B	0.33	3.2	125	94M44
XP16-036	EDA-036C	0.34	2.7	127	94M44
XP16-048	EDA-060D	0.46	3.2	244	98M22
XP16-060	EDA-060D	0.43	3.1	299	98M22
SL18XP1-024	EDA-024B	0.32	3.7	128	94M44
SL18XP1-030	EDA-036C	0.35	3.9	167	98M22
SL18XP1-036	EDA-036C	0.38	3.7	196	98M22
SL18XP1-042	EDA-060D	0.38	3.5	228	98M22
SL18XP1-048	EDA-060D	0.41	3.6	260	98M22
SL18XP1-060	EDA-060D	0.41	3.2	270	94M44
XP21-024	EDA-024B	0.26	2.8	120	94M44
XP21-036	EDA-036C	-0.13	2.5	162	94M44
XP21-048	EDA-060D	0.22	2.9	229	94M44
XP21-060	EDA-060D	0.19	2.5	274	94M44

SYSTEM MATCHES:

Must be one of the furnace or air handler models listed in the decision tree (See page 31) and must be a valid AHRI rated match (refer to outdoor unit Product Specifications Bulletin).

Upflow and Horizontal Coil + Furnace Transitions

Field fabricated transition from coil to EDA is required when coil or furnace width is different from EDA unit matched with the outdoor unit.

Air Handler Transitions

Transition is required with all air handler matches.

ADDITIONAL NOTES:

- The system is not equivalent to a dehumidifier and will not normally run continuously for 24 hours.
- Approximate, based on 80°F Indoor Dry Bulb, 69.6°F Indoor Wet Bulb and 82°F Outdoor Air Temperature.
- Actual will vary within ± 0.03 depending on final installation variables.
- Typical unit S/T at this condition Without EDA is approximately 0.53 - 0.60.
- Liters per kWh and liters per day are approximate instantaneous values at the specified condition.

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.

CBX27UH/CBX40UHV AIR HANDLER ADJUSTMENTS - HEAT PUMPS**14HPX**

14HPX-018 + CBX27UH-018 - Rating Adjustment: S/T +0.06, liters per day -1.4

14HPX-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

14HPX-030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

14HPX-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

14HPX-042 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

14HPX-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

14HPX-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

XP14

XP14-018 + CBX27UH-018 - Rating Adjustment: S/T +0.06, liters per day -1.4

XP14-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

XP14-030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

XP14-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XP14-042 + CBX27UH-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02

XP14-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

XP14-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

XP16

XP16-024 + CBX27UH-024 - Rating Adjustment: S/T +0.03, liters per day -1.0

XP16-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XP16-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03.

XP16-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

SL18XP1

SL18XP1-024 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

SL18XP1-030 + CBX27UH-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1

SL18XP1-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

SL18XP1-042 + CBX27UH-042 - Rating Adjustment: S/T +0.02

SL18XP1-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

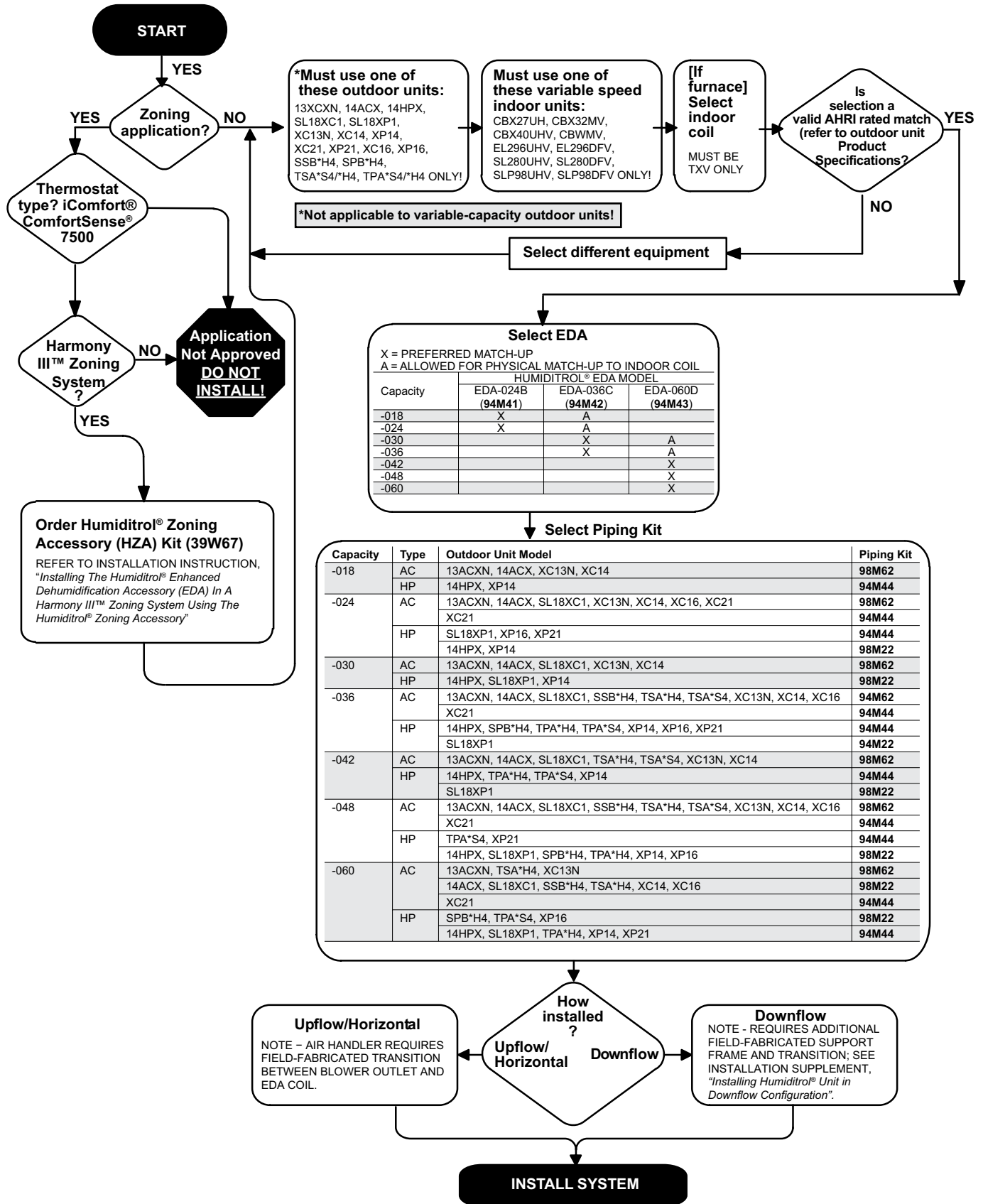
SL18XP1-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

XP21

XP21-036 + CBX27UH-036 - Rating Adjustment: S/T +0.04, liters per day -2.0

XP21-048 + CBX27UH-048 - Rating Adjustment: S/T +0.03

XP21-060 + CBX27UH-060 - Rating Adjustment: S/T +0.02, liters per day -2, liters per kWh -0.1

SYSTEM DECISION TREE

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.



ZONING iHARMONY® ZONING SYSTEM

PRODUCT CATALOG

Zoning System for Residential Communicating,
Variable Air Volume Heating/Cooling Systems

Page 1

February 2018

Supersedes January 2018

FEATURES

The iHarmony® Zoning System is capable of controlling up to four separate zones.

Zone dampers are automatically controlled to supply air flow only to zones with a thermostat demand.

Individual air volumes for heating or cooling are available to each zone.

Round or rectangular dampers can be used.

Zoning system allows temperature setback in unoccupied areas while maintaining comfort in occupied areas.

Auto-changeover control from any zone thermostat or control heating/cooling mode to all zones from the iComfort® S30 zone 1 (master) thermostat.

COMPONENTS AND EQUIPMENT

System Components

- iHarmony® Damper Control Module (DCM)
- iComfort® S30 Thermostat (Zone 1 master)
- In-Zone Thermostats (one per Zone, 2, 3 and 4)
- Motorized Zone Dampers
- Discharge Air Temperature Sensor (furnished)

NOTE - All components must be ordered separately.

Damper Control Module and Zone Dampers are powered by a separate stand-alone transformer.

Outdoor Units

- SL18XC1/XC17 Single Stage Air Conditioner (two zones)
- SL18XP1/XP17 Single Stage Heat Pump (two zones)
- XC21 Two-Stage Air Conditioner (up to four zones)
- XP21 Two-Stage Heat Pump (up to four zones)



So simple. So smart. So comfortable.

- XC20/C25 Variable Capacity Air Conditioner (up to four zones)
- XP20/XP25 Variable Capacity Heat Pump (up to four zones)

Variable Speed Furnaces

- EL296V Two-Stage
- SL280V Two-Stage
- SLP98 Variable Capacity

Variable Speed Air Handlers

- CBX32MV
- CBX40UH

Damper Control Module

Dimensions (H x W x D): 10-1/2 x 5 x 1-5/8 in. (267 x 127 x 41 mm)

Shipping weight: 2 lbs.

Power requirements: 24VAC (18-30VAC).

In-Zone Thermostats

Dimensions (H x W x D): 3 x 3 x 5/8 in. (76 x 76 x 16 mm)

Power requirements: 12VDC

Dual-Fuel Operation

NOTE - Only iComfort® Communicating heat pump outdoor units may be used with a dual fuel system.

Dampers

Any style 24VAC damper is compatible with the iHarmony® Zoning System.

Spring-open/power-close dampers are the preferred; however, power-open/spring-close and power-open/power-close dampers can be used.

At least one damper per zone is required.

SEE SYSTEM COMPONENTS ORDERING - NEXT PAGE

LIMITED WARRANTY

iHarmony® Damper Control Module and In-Zone Thermostats - five year limited warranty.

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

NOTE - The iHarmony Zoning System may be used with all iComfort® Communicating indoor/outdoor units shown. A conventional, non-communicating outdoor unit may also be used as long as the indoor unit is one of the iComfort® Communicating models shown.

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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SYSTEM COMPONENTS ORDERING

Description					Catalog No.
iComfort® S30 Thermostat (Zone1 Master)					12U67
¹ Optional Outdoor Air Temperature Sensor					X2658
Damper Control Module (DCM) (Discharge Air Temperature Sensor furnished)					10C16
In-Zone Thermostat - One per zones 2, 3 and 4					10C17
Transformers		120/208/240V primary / 24V secondary - 40VA (3 dampers)			10P17
		120/208/240V primary / 24V secondary - 50VA (4 dampers)			10P87
		120/208/240V primary / 24V secondary - 75VA (6 dampers)			12P61
		4 in. square Electrical Box			83P74
² High Pressure Switch - Heat Pump only					27W13
Freezestats - For use with Humiditrol system					93G35
Dampers Zone Control Power Close / Spring Open	Round - Two Wire	6 in. Round	X4207	10 in. Round	X4211
		7 in. Round	X4208	12 in. Round	X4213
		8 in. Round	X4209	14 in. Round	X4214
		9 in. Round	X4210	16 in. Round	X4215
	Rectangular Bottom Mount - Two Wire	8 in. x 10 in.	X4252	10 in. x 18 in.	X4263
		8 in. x 12 in.	X4253	10 in. x 20 in.	X4264
		8 in. x 14 in.	X4254	10 in. x 22 in.	X4265
		8 in. x 16 in.	X4255	10 in. x 24 in.	X4266
		8 in. x 18 in.	X4256	12 in. x 14 in.	X4267
		8 in. x 20 in.	X4257	12 in. x 16 in.	X4268
		8 in. x 22 in.	X4258	12 in. x 18 in.	X4269
		8 in. x 24 in.	X4259	12 in. x 20 in.	X4270
		10 in. x 12 in.	X4260	12 in. x 22 in.	X4271
		10 in. x 14 in.	X4261	12 in. x 24 in.	X4272
		10 in. x 16 in.	X4262		
	Rectangular Side Mount - Two Wire	8 in. x 8 in.	X4216	20 in. x 10 in.	X4233
		10 in. x 8 in.	X4217	22 in. x 10 in.	X4234
		12 in. x 8 in.	X4218	24 in. x 10 in.	X4235
		14 in. x 8 in.	X4219	26 in. x 10 in.	X4236
		16 in. x 8 in.	X4220	30 in. x 10 in.	X4238
		18 in. x 8 in.	X4221	12 in. x 12 in.	X4239
		20 in. x 8 in.	X4222	14 in. x 12 in.	X4240
		22 in. x 8 in.	X4223	16 in. x 12 in.	X4241
		24 in. x 8 in.	X4224	18 in. x 12 in.	X4242
		26 in. x 8 in.	X4225	20 in. x 12 in.	X4243
		28 in. x 8 in.	X4226	22 in. x 12 in.	X4244
		30 in. x 8 in.	X4227	14 in. x 14 in.	X4246
		10 in. x 10 in.	X4228	16 in. x 14 in.	X4247
		12 in. x 10 in.	X4229	18 in. x 14 in.	X4248
		14 in. x 10 in.	X4230	20 in. x 14 in.	X4249
		16 in. x 10 in.	X4231	22 in. x 14 in.	X4250
		18 in. x 10 in.	X4232	24 in. x 14 in.	X4251

¹ The Optional Outdoor Air Temperature Sensor may be used with an iComfort® Communicating outdoor unit for a secondary (alternate) sensor reading. Optional Outdoor Air Temperature Sensor may also be ordered for use with a conventional outdoor unit.

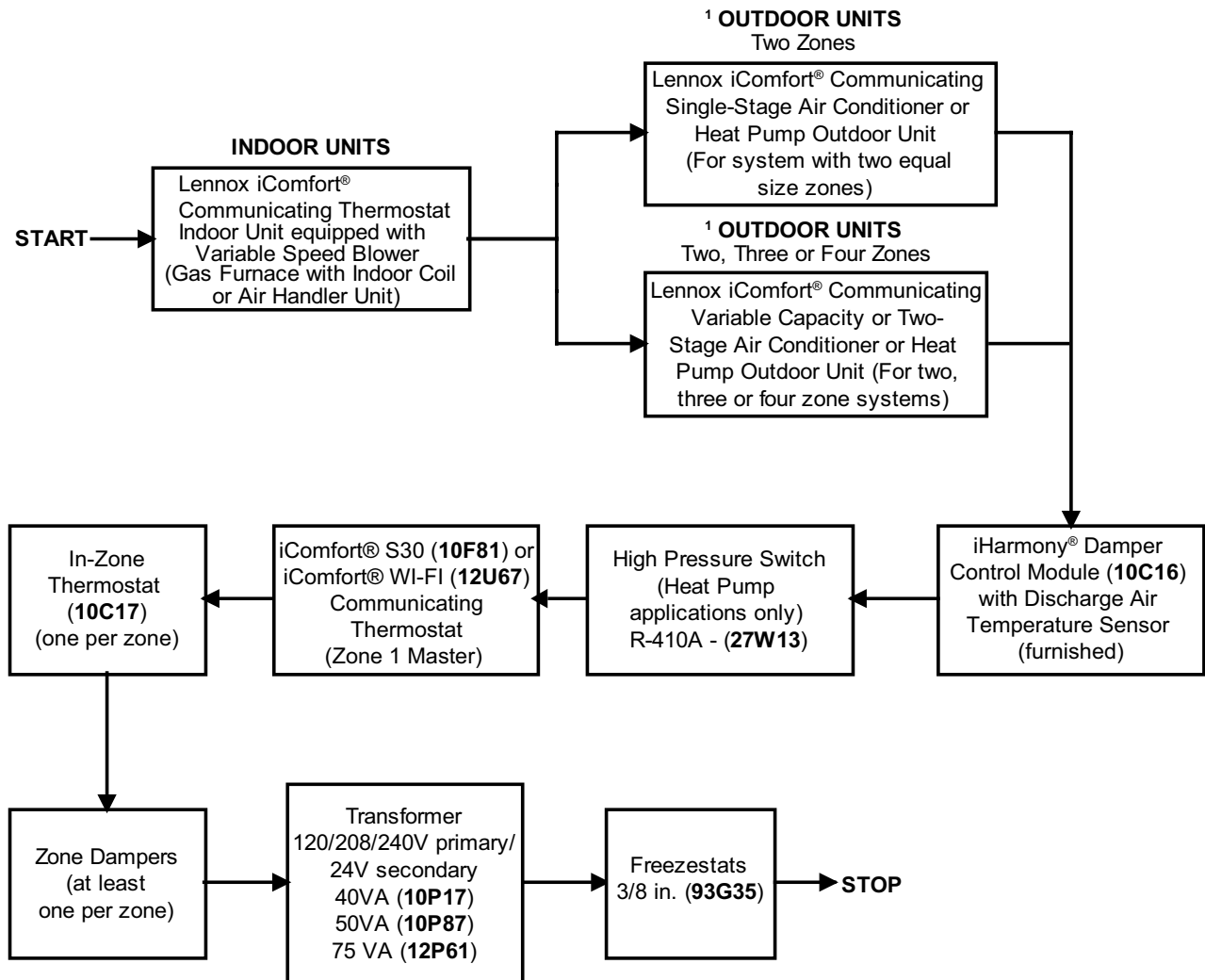
² Required for Heat Pump applications.

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COMPONENT SELECTION

¹ A conventional, non-communicating outdoor unit may also be used as long as the indoor unit is iComfort® Communicating.

NOTE - Dual Fuel Systems - Only iComfort® Communicating heat pump outdoor units may be used with a dual fuel system.



ZONING HARMONY III™ ZONING SYSTEM

PRODUCT CATALOG

Zone Control for Residential, Variable Air Volume Heating/Cooling Systems

Page 5

February 2018

Supersedes January 2018

FEATURES

Harmony III™ Zone Control (**X9953**) is capable of controlling up to four separate zones.

Panel is capable of controlling multi-stage equipment, 2 heat / 2 cool conventional heating/cooling systems and 3 heat / 2 cool heat pump and dual fuel systems.

System consists of the Control Panel, discharge air sensor (furnished), field-supplied duct-mounted motorized zone dampers with a thermostat in each zone.

Discharge Air Sensor (furnished) - sends information back to the zone control board so the board can control first and second stage heating and cooling based on discharge air temperature.

Panel is powered by a separate stand-alone transformer.

Zone dampers are automatically controlled to supply air flow only to zones with a thermostat demand.

Individual air volumes for heating or cooling are available to each zone. Round or rectangular dampers can be used.

Zoning system allows temperature setback in unoccupied areas while maintaining comfort in occupied areas.

Auto-changeover control from any zone thermostat or control heating/cooling mode to all zones from the zone 1 thermostat.

Compatible with standard heat/cool electronic thermostats (non-power robbing). See recommended thermostats.

The Control Panel will control a dual fuel system. The dual fuel system is set up so that the first and second stage compressor operation turns off before the auxiliary heat is turned on. Dual fuel mode effects auxiliary heat operation only.



Microprocessor controlled panel contains all necessary relays and controls to operate the system.

Automatic reset in case of operation error or power failure.

Built-in time delay function (5 minutes) prevents short cycling of system.

3A (slow-blow) fuse protects panel from shorts in the thermostat and damper field wiring. Spare 3A fuse included.

Cabinet and removable cover constructed of high impact plastic. Holes for mounting are furnished and electrical inlets are provided in cabinet.

Dimensions (H x W x D): 12 x 9-1/2 x 2-1/4 in.

Shipping weight: 2 lbs.

Power requirements: 24VAC (18-30VAC).

LIMITED WARRANTY

All covered components - two year limited warranty

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

System Equipment Data

For furnace data, see Gas Furnaces section.

For air handler unit data, see Air Handlers section.

For air conditioning units data, see Air Conditioners section.

For heat pump data, see Heat Pump Outdoor Units section.

For add-on indoor coil unit data, see Indoor Coils section.

ACCESSORIES

Balance Point Sensor - 56A87

Used to lock out the heat pump at low ambient conditions (below the system balance point).

Defrost Tempering Switch - 67M41

For Dual-Fuel Heat Pump applications only

Transformer

24VAC transformer is required for operation of Zone Control Panel, thermostats and zone dampers.

Transformer size is determined by the total power requirements of the control panel, thermostats and damper.

120/208/240V primary / 24V secondary - 40VA	10P17
120/208/240V primary / 24V secondary - 50VA	10P87
120/208/240V primary / 24V secondary - 75VA	12P61
4 in. square Electrical Box	83P74

Whole Home Dehumidification Operation - Humiditrol® (39W67)

Harmony III™ Zone Control can be used with the Humiditrol Whole Home Dehumidification System.

A separate Humiditrol® Zoning Accessory must be used for proper operation.

ACCESSORIES CONTINUED ON NEXT PAGE

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ACCESSORIES**Pressure Switch - 27W13**

For R-410A systems

Required for applications with a Lennox heat pump.

Guards against high head pressures during first- and second-stage heating.

Zone Thermostats

A single-stage, non-heat pump, non-power-robbing electronic thermostat is required for each zone.

Recommended thermostats include ComfortSense® 7500 (**13H14**), ComfortSense® 5500 (**13H13**), ComfortSense® 3000 (**51M34**), **51M32**) See Controls Section and Lennox Price Book for additional thermostats.

Dampers - see Page 3

Any style 24VAC damper is compatible with Harmony III™ Zoning System.

Spring-open/power-close dampers are the preferred; however, power-open/spring-close and power-open/power-close dampers can be used.

At least one damper per zone is required.

DAMPERS**ZONE DAMPERS ROUND
Power Close / Spring Open**

6 in. Round	X4207
7 in. Round	X4208
8 in. Round	X4209
9 in. Round	X4210
10 in. Round	X4211
12 in. Round	X4213
14 in. Round	X4214
16 in. Round	X4215

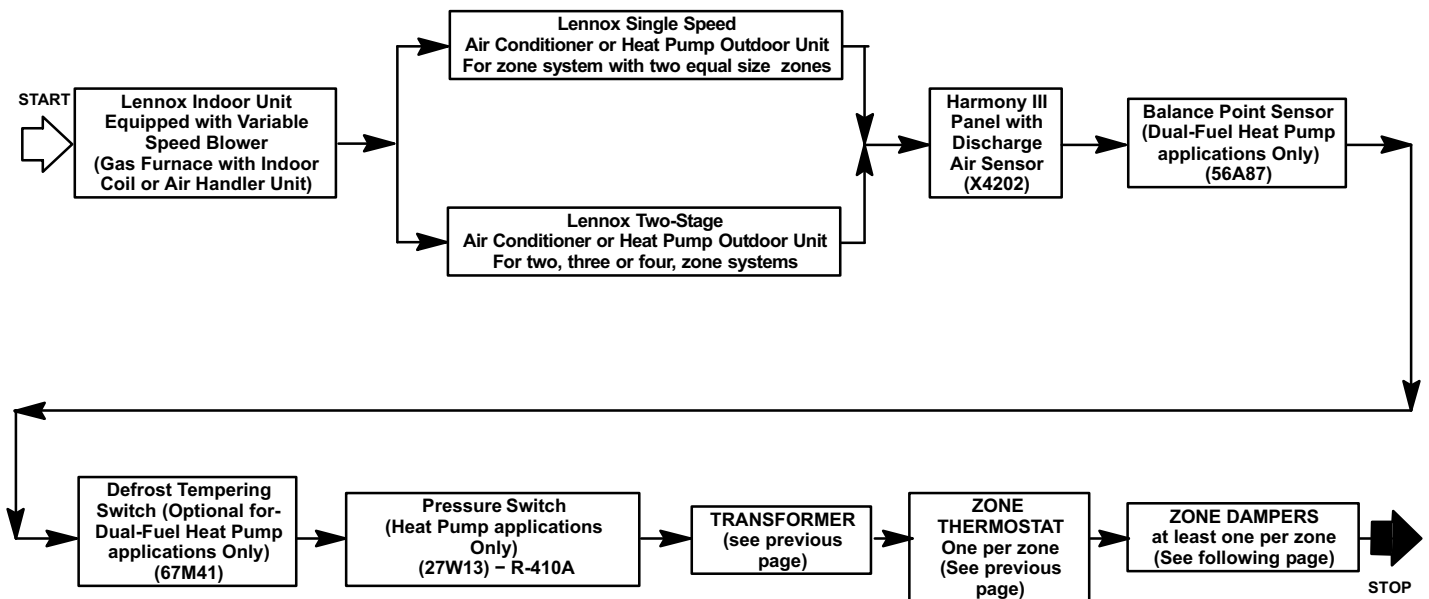
**ZONE DAMPERS RECTANGULAR
Power Close / Spring Open****Bottom Mount - Two Wire**

8 in. x 10 in.	X4252
8 in. x 12 in.	X4253
8 in. x 14 in.	X4254
8 in. x 16 in.	X4255
8 in. x 18 in.	X4256
8 in. x 20 in.	X4257
8 in. x 22 in.	X4258
8 in. x 24 in.	X4259
10 in. x 12 in.	X4260
10 in. x 14 in.	X4261
10 in. x 16 in.	X4262
10 in. x 18 in.	X4263
10 in. x 20 in.	X4264
10 in. x 22 in.	X4265
10 in. x 24 in.	X4266
12 in. x 14 in.	X4267
12 in. x 16 in.	X4268
12 in. x 18 in.	X4269
12 in. x 20 in.	X4270
12 in. x 22 in.	X4271
12 in. x 24 in.	X4272

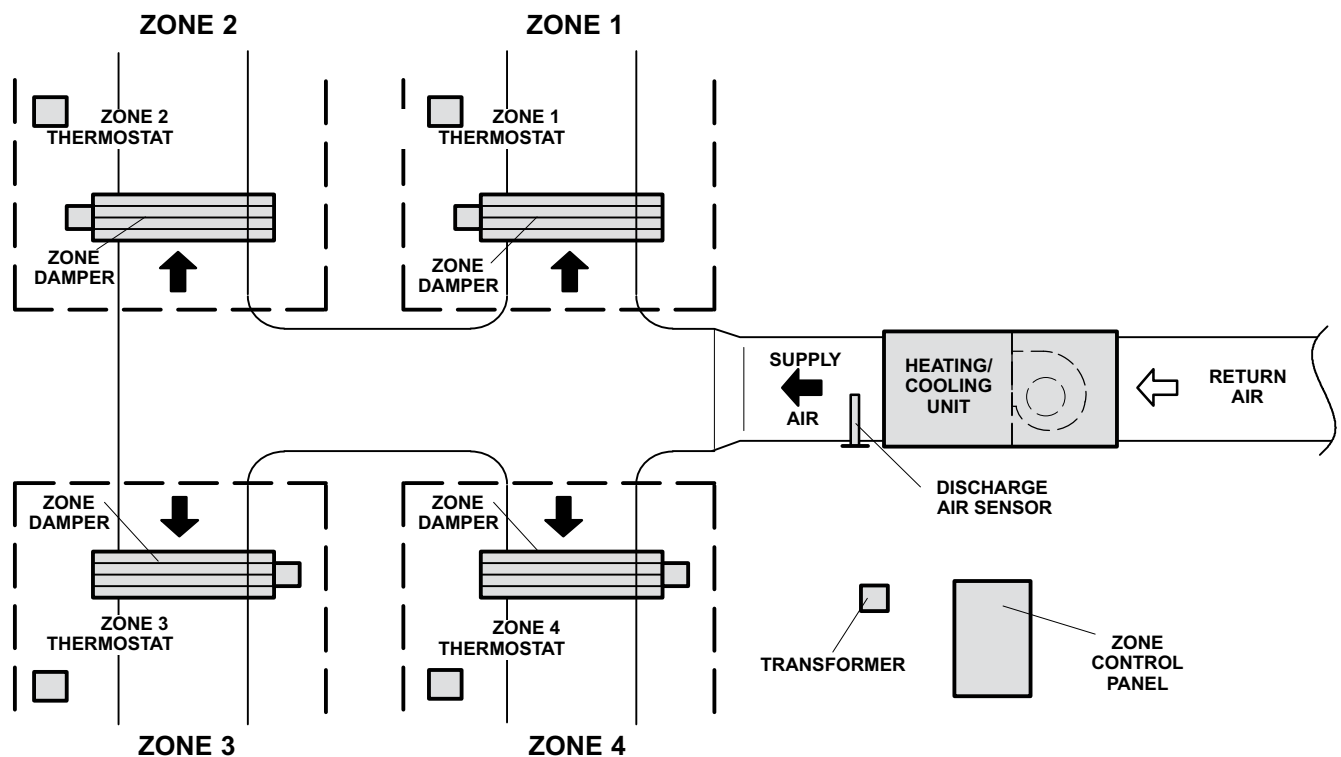
**ZONE DAMPERS RECTANGULAR
Power Close / Spring Open****Side Mount - Two Wire**

8 in. x 8 in.	X4216
8 in. x 10 in.	X4217
8 in. x 12 in.	X4218
8 in. x 14 in.	X4219
8 in. x 16 in.	X4220
8 in. x 18 in.	X4221
8 in. x 20 in.	X4222
8 in. x 22 in.	X4223
8 in. x 24 in.	X4224
8 in. x 26 in.	X4225
8 in. x 28 in.	X4226
8 in. x 30 in.	X4227
10 in. x 10 in.	X4228
10 in. x 12 in.	X4229
10 in. x 14 in.	X4230
10 in. x 16 in.	X4231
10 in. x 18 in.	X4232
10 in. x 20 in.	X4233
10 in. x 22 in.	X4234
10 in. x 24 in.	X4235
10 in. x 26 in.	X4236
10 in. x 30 in.	X4238
12 in. x 12 in.	X4239
12 in. x 14 in.	X4240
12 in. x 16 in.	X4241
12 in. x 18 in.	X4242
12 in. x 20 in.	X4243
12 in. x 22 in.	X4244
14 in. x 14 in.	X4246
14 in. x 16 in.	X4247
14 in. x 18 in.	X4248
14 in. x 20 in.	X4249
14 in. x 22 in.	X4250
14 in. x 24 in.	X4251

COMPONENT SELECTION



TYPICAL SYSTEM LAYOUT



FEATURES**Zoning System**

LZP-4 Zone Control Panel (**X3786**) is capable of controlling up to four separate zones.

Panel is capable of controlling multi-stage equipment, 2 heat / 2 cool conventional heating/cooling systems and 3 heat, 2 cool heat pump and dual fuel systems.

System consists of the LZP-4 Zone Control Panel, discharge air sensor (furnished), field supplied duct mounted motorized zone dampers with a thermostat in each zone and a field supplied bypass damper.

Panel is powered by a separate stand-alone transformer.

Zone dampers are automatically controlled to supply air flow only to zones with a thermostat demand.

Individual air volumes for heating or cooling are available to each zone.

Round or rectangular dampers can be used.

Zoning system allows temperature setback in unoccupied areas while maintaining comfort in occupied areas.

Auto-changeover control from any zone thermostat or control heating/cooling mode to all zones from the zone 1 thermostat.

Compatible with standard heat/cool or heat pump electronic thermostats (non-power robbing). See recommended thermostats.

Not for use with variable-speed gas furnaces or electro-mechanical thermostats.

Zone Control Panel

Microprocessor controlled panel contains all necessary relays and controls to operate the system.

Automatic reset in case of operation error or power failure.



Built-in time delay function (4 minutes) prevents short cycling of system.

3A fuse protects panel from shorts in the thermostat and damper field wiring. Spare 3A fuse included.

Cabinet and removeable cover constructed of high impact plastic. Holes for mounting are furnished and electrical inlets are provided in cabinet.

Dimensions (H x W x D):
12 x 9-1/2 x 2 in.

Shipping weight: 2 lbs.

Power requirements: 24VAC (18-30VAC).

Discharge Air Sensor (furnished)

Field installed in supply air plenum. Senses discharge air temperature to control system based on low temperature and high temperature limit DIP switch settings on Zone Control Panel.

LIMITED WARRANTY**Limited Warranty**

Zone Control Panel - Two years
Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

ACCESSORIES**Transformers**

Zone Control Panel and thermostats require 10VA, dampers require 10VA each

10P17 - 40VA Transformer, 120/208/240V primary, 24V secondary

10P87 - 50VA Transformer, 120/208/240V primary, 24V secondary

12P61 - 75VA Transformer, 120/208/240V primary, 24V secondary

83P74 - Electrical Box, 4 in. square

Dampers - see Page 2**Zone Thermostats**

Any single-stage, heating/cooling, digital, electronic thermostat with 24VAC common terminal may be used. Recommended thermostats:

13H13 - ComfortSense® 5500 Touchscreen Thermostat - 1 Heat/1 Cool, Single stage gas/electric and single stage heat pumps

51M34 - ComfortSense® 3000 Thermostat - 1 Heat/1 Cool, Single stage gas/electric

51M35 - ComfortSense® 3000 Thermostat - 2 Heat/2 Cool, Single stage gas/electric

51M37 - ComfortSense® 3000 Thermostat - 3 Heat/2 Cool heat pump

See Controls Section and Lennox Price Book for additional thermostats.



PRODUCT CATALOG

**Dual Zone Control Panel
For Residential, Non-Variable Air Volume, Heating/Cooling Systems
Not for Heat Pump Systems**

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FEATURES

Zoning System

LZP-2 Zone Control Panel (**X3785**) is capable of controlling up to two separate zones.

Panel is coupled with a single, non-variable speed indoor unit (gas/oil) and a single stage air conditioning unit.

Panel can be used with two-stage equipment when staging is controlled by the heating/cooling equipment.

System consists of the LZP-2 Zone Control Panel, discharge air sensor (furnished), field supplied duct mounted motorized zone dampers with a thermostat in each zone, and a field supplied bypass damper.

Panel is powered by a separate stand-alone transformer.

Zone dampers are automatically controlled to supply air flow only to zones with a thermostat demand.

Individual air volumes for heating or cooling are available to each zone.

Round or rectangular dampers can be used.

Zoning system allows temperature setback in unoccupied areas while maintaining comfort in occupied areas.

Auto-changeover control from any zone thermostat.

Compatible with standard heat/cool electronic thermostats (non-power robbing).

Not for use with variable-speed gas furnaces, heat pump systems or electro-mechanical thermostats.



Zone Control Panel

Microprocessor controlled panel contains all necessary relays and controls to operate the system.

Automatic reset in case of operation error or power failure.

Built-in time delay function (4 minutes) prevents short cycling of system.

3A fuse protects panel from shorts in the thermostat and damper field wiring. Spare 3A fuse included.

Cabinet and removable cover constructed of high impact plastic.

Holes for mounting are furnished and electrical inlets are provided in cabinet.

Dimensions (H x W x D):

5 x 10-1/2 x 2 in.

Shipping weight: 2 lbs.

Power requirements: 24VAC (18-30VAC).

Discharge Air Sensor (furnished)

Field installed in supply air plenum.

Senses discharge air temperature to control system based on low temperature and high temperature limit jumper settings on Zone Control Panel.

LIMITED WARRANTY

Zone Control Panel - Two years
Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

ACCESSORIES

Transformers

Zone Control Panel and thermostats require 10VA, dampers require 10VA each

10P17 - 40VA Transformer, 120/208/240V primary, 24V secondary

10P87 - 50VA Transformer, 120/208/240V primary, 24V secondary

12P61 - 75VA Transformer, 120/208/240V primary, 24V secondary

83P74 - Electrical Box, 4 in. square

Dampers - see Page 2

Zone Thermostats

Any single-stage, heating/cooling, digital, electronic thermostat with 24VAC common terminal may be used. Recommended thermostats:

13H13 - ComfortSense® 5500

Thermostat - 1 Heat/1 Cool, Single stage gas/electric and single stage heat pumps

51M34 - ComfortSense® 3000

Thermostat - 1 Heat/1 Cool, Single stage gas/electric and single stage heat pump

LENNOX

PRODUCT CATALOG

FEATURES

The iComfort® S30 Thermostat recognizes and connects to all iComfort® communicating products to automatically configure and control the heating/cooling system (based on user-specified settings) for the highest level of comfort, performance and efficiency. Also recognizes model and serial number information for iComfort® communicating products to simplify system setup.

Advanced iComfort® controls in specific heating and cooling units communicate information about various operating parameters to the thermostat to constantly maintain the most efficient operating conditions possible. Additional conventional (not iComfort® communicating) indoor air quality comfort products (PureAir™ Air Purification System, Healthy Climate® Humidifiers, Humiditrol® Enhanced Dehumidification Accessory, Healthy Climate® Energy/Heat Recovery Ventilators, Healthy Climate® Germicidal Lights) can be added to the system for a complete total-comfort system.

Conventional outdoor units (not iComfort® communicating) can easily be added and controlled by the iComfort® S30 Thermostat.

A simple easy-to-use touchscreen allows complete system configuration. Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen.

One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away.

Smart Away™ - Schedule IQ™ uses geo-fencing technology to determine when homeowner is within a predetermined distance from the home to operate system when leaving, away and arriving.

Weather-On-Demand - Live up-to-date

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.



weather data and five-day forecasts.

Optional iComfort® Equipment Interface Module (EIM) allows operation with conventional HVAC systems.

Applicable to the iHarmony® Zoning System.

Easy to read 7 in. high definition color display

Installer setup screens allow quick and simple system configuration without a manual.

Installer can also run tests on complete system or individual components for easy maintenance and troubleshooting.

Dealer Dashboard features online real-time monitoring of installed iComfort systems.

Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication. Uses 4-wire, 18-gauge standard thermostat wiring.

High Definition Color Display, Mag-Mount, Smart Hub Controller, wallplate (for retrofit installations) furnished for easy installation.

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

CONTROL ORDERING INFORMATION

Description	Catalog No.
iComfort® S30 Thermostat - Dimensions (H x W x D) - 5 x 7-1/2 x 1 in.	12U67
Equipment Interface Module (EIM)	10T50
¹ Optional Outdoor Air Temperature Sensor	X2658
² Discharge Air Temperature Sensor	88K38

¹ The Optional Outdoor temperature Sensor may be used with an iComfort equipped outdoor unit for a secondary (alternate) sensor reading.

Optional Outdoor Air Temperature Sensor may be ordered for use with a conventional outdoor unit.

² Required with Air Handler applications when using EVENHEATER® option. Optional on all other applications for service diagnostics

CONTROLS iCOMFORT® S30 4 Heat / 2 Cool

Ultra-Smart Wi-Fi Thermostat

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REMOTE ACCESS

Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Service alerts and reminders.

The free iComfort® Thermostat App and Mobile Setup App is available for use on iPhone®, iPad®, and Android™ devices.



iComfort Thermostat App (Homeowner)



iComfort Mobile Setup App (Installer)



(Click icon)

Home Automation

The iComfort® S30 is an Amazon® Alexa-enabled, smart-home-compatible thermostat. Works with Amazon Echo, Echo Dot and Tap devices allowing the homeowner to ask Alexa to adjust temperature.



(Click icon)

MATCHING PRODUCTS

Air Conditioners/Heat Pumps

- XC20, XC25, XP20, XP25, XC21, XP21, SL18XC1, SL18XP1

Furnaces

- SLP98V, SL280V, EL196V

Air Handlers

- CBX40UHV/CBX32MV



PRODUCT CATALOG

FEATURES

The **iComfort Wi-Fi® Thermostat** recognizes and connects to all iComfort® Communicating products to automatically configure and control the heating/cooling system (based on user-specified settings) for the highest level of comfort, performance and efficiency. Also recognizes model and serial number information for iComfort® Communicating products to simplify system setup.

Advanced iComfort® controls in specific heating and cooling units communicate information about various operating parameters to the thermostat to constantly maintain the most efficient operating conditions possible. Additional conventional (not iComfort® Communicating) indoor air quality comfort products (PureAir™ Air Purification System, Healthy Climate® Humidifiers, Humiditrol® Enhanced Dehumidification Accessory, Healthy Climate® Energy/Heat Recovery Ventilators, Healthy Climate® Germicidal Lights) can be added to the system for a complete total-comfort system.

Conventional outdoor units (not iComfort® Communicating) can easily be added and controlled by the **iComfort Wi-Fi® Thermostat**. A simple easy-to-use touchscreen allows complete system configuration. Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen.

One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away.

Weather-On-Demand - Live up-to-date weather data and five-day forecasts.

Optional iComfort® Equipment Interface Module (EIM) allows operation



So simple. So smart. So comfortable.



with conventional HVAC systems.

Applicable to the **iHarmony® Zoning System**.

Easy to read 7 in. color screen (measured diagonally).

Installer setup screens allow quick and simple system configuration without a manual.

Installer can also run tests on complete system or individual components for easy maintenance and troubleshooting.

Dealer Dashboard features online real-time monitoring of installed iComfort systems.

Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication. Uses 4-wire, 18-gauge standard thermostat wiring.

Subbase (with terminal strip) and all necessary mounting hardware is furnished for easy installation.

See Product Specifications bulletin for complete user programming and installer setup information.

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

CONTROL ORDERING INFORMATION

Description	Catalog No.
iComfort W-Fi® Thermostat Dimensions (H x W x D) - 5 x 7-1/2 x 1 in.	10F81
iComfort Wi-Fi® Flex Thermostat and Equipment Interface Module (EIM)	11U61
¹ Optional Outdoor Air Temperature Sensor	X2658
² Discharge Air Temperature Sensor	88K38

¹ The Optional Outdoor temperature Sensor may be used with an iComfort equipped outdoor unit for a secondary (alternate) sensor reading.

Optional Outdoor Air Temperature Sensor may be ordered for use with a conventional outdoor unit.

² Required with Air Handler applications when using EVENHEATER® option. Optional on all other applications for service diagnostics

CONTROLS iCOMFORT Wi-Fi® 4 Heat / 2 Cool

Wi-Fi Thermostat

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REMOTE ACCESS

Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Service alerts and reminders.

The free iComfort® app is available for use on iPhone®, iPad®, Android™ and Windows® 8 devices.



MATCHING PRODUCTS

Air Conditioners/Heat Pumps

- XC25/XC20 Variable Capacity, XC21 Two-Stage, XC17/SL18XC1 Single-Stage
- XP25/XP20 Variable Capacity, XP21 Two-Stage, XP17 Single-Stage

Furnaces

- SLP98V Variable-Capacity, Variable-Speed, SL280V Two-Stage, Variable-Speed
- EL196V Two-Stage, Variable-Speed

Air Handlers

- CBX40UHV/CBX32MV Variable-Speed



A
icomfort.
So simple. So smart. So comfortable.

ATTENTION - The Lennox iComfort® Thermostat with Equipment Interface Module (EIM) will work with most 24VAC furnaces, air conditioners, air handlers and heat pumps (up to 3 stages of heat and 2 stages of cooling), **EXCEPT** it will NOT work with any brand of communicating HVAC equipment other than LENNOX®.

FEATURES

The Equipment Interface Module (EIM) allows the iComfort® Thermostat to be used with most non-communicating HVAC systems. The EIM allows most conventional, non-communicating furnaces or air handlers (up to 3 stages heating and 2 stages cooling) to emulate an iComfort® Communicating indoor unit (with reduced communication features).

NOTE - Most conventional outdoor/indoor unit and most iComfort® Communicating ¹outdoor units can be used in the system.

¹ **NOTE** - Not for use with XC20/ XC25 or XP20/XP25 outdoor units.

Additional conventional (not iComfort® Communicating) indoor air quality comfort products (PureAir™ Air Purification System, Healthy Climate® Humidifiers, Humiditrol® Enhanced Dehumidification Accessory, Healthy Climate® Energy/Heat Recovery Ventilators, Healthy Climate® Germicidal Lights) can be added for a complete total-comfort system.

EIM Module

Contains all necessary relays and controls to emulate an iComfort® Communicating indoor unit.

Module has two green LEDs. One indicates status and aids in troubleshooting, a second LED indicates RSBus communication.

Any system alerts/warnings are transmitted to the iComfort® Thermostat.

Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication. Uses 4-wire, 18-gauge standard thermostat wiring for connection to the iComfort® Thermostat.

Conventional thermostat wiring connects the EIM to the non-communicating indoor/outdoor unit equipment.

Jumpers are furnished to configure type of indoor unit and heating stages.

Terminal connections are furnished for the iComfort® thermostat, non-communicating conventional indoor/outdoor unit and dual-fuel non-communicating heat pump.

Connections are also furnished for an Outdoor Air Temperature Sensor and Discharge Air temperature Sensor. Sensors must be ordered separately.

Case

Constructed of high impact ABS plastic.

Hinged cover with latching tabs prevents tampering.

Can be mounted on the side of the indoor unit or a nearby stud or wall.

Dimensions (H x W x D): 6-1/8 x 7-1/2 x 1-3/8 in. (156 x 191 x 35 mm)

Weight: 1 lb.

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

ORDERING INFORMATION

Description	Catalog No.
iComfort Wi-Fi® Flex Thermostat and Equipment Interface Module (EIM)	11U61
Equipment Interface Module (EIM)	10T50
¹ Optional Outdoor Air Temperature Sensor	X2658
² Discharge Air Temperature Sensor	88K38

¹ Remote Outdoor Air Temperature Sensor is used with conventional (non-iComfort® Communicating) outdoor units (sensor is furnished with iComfort® Communicating outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.

² Optional for indoor air service diagnostics.



PRODUCT CATALOG

FEATURES

The iComfort® E30 smart thermostat is applicable to most non-communicating HVAC systems (up to 3 stages of heating and 2 stages of cooling).



A simple easy-to-use touchscreen allows complete system configuration. Scheduled maintenance alerts, system warnings and troubleshooting are also displayed on thermostat screen.

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™ - Schedule IQ™ 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.

Weather-On-Demand - Live up-to-date weather data and seven-day forecasts.

Easy to read 7 in. high definition color display (measured diagonally).

Installer setup screens allow quick and simple system configuration without a manual.

Installer can also run simple tests for easy maintenance and troubleshooting.

Dealer Dashboard features online real-time monitoring of systems.

Serial communications bus (RSBus), with less wiring than a conventional heating/cooling system, allows system communication between Mag-Mount and Smart Hub.



Controller. Uses 4-wire, 18-gauge standard thermostat wiring.

Conventional thermostat wiring connects the Smart Hub Controller to the indoor/outdoor equipment.

High Definition Color Display, Mag-Mount, Smart Hub Controller, wallplate (for retrofit installations) furnished for easy installation.

Additional indoor air quality comfort products (PureAir™ Air Purification System, Healthy Climate® Humidifiers, Humiditrol® Enhanced Dehumidification Accessory, Healthy Climate® Energy/Heat Recovery Ventilators, Healthy Climate® Germicidal Lights) can be added to the system for a complete total-comfort system.

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

CONTROL ORDERING INFORMATION

Description	Catalog No.
iComfort® E30 Thermostat - Dimensions (H x W x D) - 5 x 7-1/2 x 1 in.	15S63
¹ Optional Outdoor Air Temperature Sensor	X2658
² Discharge Air Temperature Sensor	88K38

¹ The Optional Outdoor Air Temperature Sensor may be ordered for use with a conventional outdoor unit. Allows the thermostat to display outdoor temperature.

Required for dual-duel applications with a heat pump outdoor unit.

² Optional for service diagnostics.

CONTROLS iCOMFORT® E30 3 Heat / 2 Cool

Smart Wi-Fi Thermostat

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REMOTE ACCESS

Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Service alerts and reminders.



The free iComfort® Thermostat App and Mobile Setup App is available for use on iPhone®, iPad®, and Android™ devices.

iComfort Thermostat App (Homeowner)



iComfort Mobile Setup App (Installer)



(Click icon)

Home Automation

The iComfort® E30 smart thermostat is an Amazon® Alexa-enabled, smart-home-compatible thermostat. It works with Amazon Echo, Echo Dot and Tap devices allowing the homeowner to ask Alexa to adjust the temperature.



(Click icon)



PRODUCT CATALOG

CONTROLS iCOMFORT® M30 4 Heat / 2 Cool Smart Wi-Fi Thermostat

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FEATURES

The iComfort® M30 is a Wi-Fi enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat. It also offers



enhanced capabilities including control for humidification / dehumidification / dewpoint measurement and control, Humiditrol® Enhanced Dehumidification Accessory, and equipment maintenance reminders.

Easy to read 4.3 in. color screen (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).

Touchscreen interaction.

Ergonomic design.

Smooth Setback Recovery starts system early to achieve setpoint at start of program period.

Compressor short-cycle protection (5 minutes).

Real-time clock keeps time during power failures and automatically updates to daylight savings.

Maintenance reminders let user know when to service or replace filters, PureAir® metal insert, humidifier pads, ultraviolet lamps, plus one user or installer defined custom reminder.



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.

Permanent memory storage of programs.

Wallplate furnished.

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

REMOTE ACCESS

Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets. Service alerts and reminders.



The free iComfort® Thermostat App is available for use on iPhone®, iPad®, and Android™ devices.

iComfort Thermostat App (Homeowner)



(Click icon)

Home Automation

The iComfort® M30 smart thermostat is an Amazon® Alexa-enabled, smart-home-compatible thermostat. It works with Amazon Echo, Echo Dot and Tap devices allowing the homeowner to ask Alexa to adjust the temperature.



(Click icon)

CONTROL ORDERING INFORMATION

Description	Catalog No.
iComfort® M30 Thermostat - Dimensions (H x W x D) - 3-5/16 x 4-5/16 x 7/8 in. Wallplate Dimensions (W x H) - 5-3/4 x 4-1/2 in.	15Z29
¹ Optional Outdoor Air Temperature Sensor	X2658

¹ Allows the thermostat to display outdoor temperature.

Sensor is required for dual fuel operation if thermostat controls dual-fuel system operation. Also required with Humiditrol® applications and Humidity Settings / Humidity / Dewpoint operation..

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PRODUCT CATALOG

CONTROLS COMFORTSENSE® 7500 4 Heat / 2 Cool (Universal)

Touchscreen 7 Day Programmable Thermostat

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FEATURES

Electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat.

Enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, Humiditrol® control, and equipment maintenance reminders.

LCD display with backlight shows the current and set temperature, time, inside relative humidity, system status (operating mode and schedules) and outside temperature (if optional outdoor sensor is used). Menu-driven programming guides user through the scheduling process showing only necessary information on each screen.

Touchscreen interaction.

Ergonomic design.

Smooth Setback Recovery starts system early to achieve setpoint at start of program period.

Compressor short-cycle protection (5 minutes).

Real-time clock keeps time during power failures and automatically updates to daylight savings.

Maintenance reminders let user know when to service or replace filters, PureAir® metal insert, humidifier pads, ultraviolet lamps, plus two user or installer defined custom reminders.

Up to three separate schedules for individual days of the week, week/weekend (5/2 day) or all 7-days the same with up to 4 time periods per day.

Temporarily override the program schedule as desired by time.

Programmable fan offers increased air quality when combined with a whole house air indoor air quality product.



ComfortSense®

Permanent memory storage of programs.

Non-volatile memory maintains all programming in the event of a power outage.

Factory preset program settings conform to EPA ENERGY STAR® recommended setpoints.

Temperature setpoint range:

Heating - 45 to 90°F

Cooling - 45 to 99°F

Humidity Setpoint Range:

Humidification mode: 15 to 45% relative humidity

Dehumidification mode: 35 to 60% relative humidity

Power Supply: 24VAC (18 to 30VAC maximum), 50/60Hz

Clock Accuracy: ± 10 minutes per year

Dimensions (H x W x D):

3-5/16 x 4-5/16 x 7/8 in.

(84 x 110 x 22 mm)

Wallplate furnished

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

ORDERING INFORMATION

13H14 - 4 Heat/2 Cool, Universal Multi-Stage, for gas, oil, electric and heat pumps (includes dual fuel operation).

Terminals: Tc, To, H, D, W2, Y2, O, B, C, G, W1, Y1, R

ACCESSORIES

X2658 - Outdoor Temperature Sensor allows thermostat to display outdoor temperature.

NOTE - Sensor is required in dual fuel applications, Humiditrol® applications and Humidity Settings / Humidity / Dewpoint operation (see Installer Settings).





PRODUCT CATALOG

CONTROLS COMFORTSENSE® 5500 1 Heat / 1 Cool (Conventional Cooling Only) Touchscreen 7 Day Programmable Thermostats

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FEATURES

Electronic 7-day, single-stage, programmable, touchscreen thermostat with maintenance reminders.

LCD display with backlight shows the current and set temperature, time and system status (operating mode and schedules).

Menu-driven programming guides user through the scheduling process showing only necessary information on each screen.

Touchscreen interaction.

Ergonomic design.

Smooth Setback Recovery starts system early to achieve setpoint at start of program period.

Compressor short-cycle protection (5 minutes, adjustable).

Real-time clock keeps time during power failures and automatically updates to daylight savings.

Maintenance reminders let user know when to service or replace filters, PureAir® metal insert, humidifier pads, ultraviolet lamps, plus two user or installer defined custom reminders.

Up to three separate schedules for individual days of the week, week/ weekend (5/2 day) or all 7-days the same with up to 4 time periods per day.

Temporarily override the program schedule as desired by time.

Programmable fan offers increased air quality when combined with a whole house air indoor air quality product.

Permanent memory storage of programs.

Wallplate furnished



ComfortSense®

LIMITED WARRANTY

Five-year limited warranty in residential applications.

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

ORDERING INFORMATION

13H13 - 1 heat / 1 cool control for use with conventional residential heating/cooling (non-heat pump) systems only.

Terminals: C, G, W1, Y1, R

Temperature Setting Range:
Heating, 45 to 90°F, Cooling, 45 to 99°F

Power Supply: 24VAC (18 to 30VAC maximum), 50/60Hz.

Dimensions (H x W x D) -
3-5/16 x 4-5/16 x 7/8 in.
(84 x 110 x 22 mm)



PRODUCT CATALOG

CONTROLS COMFORTSENSE® 3000

L3511C, L3522C, L3532H

5-2 Day Programmable Thermostats

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FEATURES

Large, back-lit, easy-to-read LCD screen.

Digital display offers more accurate control of temperature settings than mechanical controls.

Large buttons are easy to push.

Sleek, modern appearance works well with any decor.

System status icons show when the HVAC system is running.

Filter monitor displays when it is time to service the HVAC system filter.

Service monitor indicates when the cooling system is not operating properly.

Gradually changes room temperature to next program period for increased comfort.

Hard-wired to the indoor unit power supply. No batteries to change.

Heat pump model can be used in dual-fuel applications or applications with auxiliary heat lockout. Requires optional outdoor temperature sensor.

Five-minute compressor short-cycle protection.

Minimum cycle time of 6 minutes.

5-2 day programming, four time periods per day.

Day/Time button allows quick clock setting changes.

Heat/Cool buttons simplify setting precise heating and cooling temperatures

Fan button selects continuous or automatic blower operation.

Programming button sets, reviews, or changes schedule.

Hold features will permanently hold setpoints without changing the program.

Maintains program in memory for 24-hours in the event of a power outage.



Day and time display will show current day and time.

Program/Hold indicators show the current program and the program override (hold) status.

Compressor stage indicators show if the first or second stage of the compressor is activated (if applicable).

Filter reminder will be displayed when the filter reminder timer expires.

Room - shows the current room temperature

Setpoint - shows the set point temperature

System selector indicators - shows the current selection of system control; COOL, OFF, HEAT, and EMG. HEAT (heat pump usage only).

If heating is activated, the system status will show a flame animation.

If cooling is activated, the system status will show a snowflake animation.

Fan selection indicator shows the current selection of fan control which can be ON or AUTO.

If the fan is activated, the fan status indicator will show a rotating fan animation.

The service indicator will show a 1HZ blinking indicator when 24VAC is present at the L terminal and Y1 is on for five minutes.

LCD backlight turns on for 30 seconds when any key is pressed.

Outdoor Sensor (optional for heat pump usage) is used to control balance points on multi-stage heat pumps.

ORDERING INFORMATION

L3511C (51M34) - 1 Heat/1 Cool - Conventional Heat/cool

Terminals: R, C, Y1, W1, G, L

L3522C (51M35) - 2 Heat/2 Cool - Conventional Heat/cool

Terminals: R, C, Y1, Y2, W1, W2, G, L

L3532H (51M37) - 3 Heat/2 Cool - Universal Heat/Cool or Heat Pump Systems

Terminals: R, C, Y1, Y2, W1, E, O, B, G, L, T, T

ACCESSORIES

X2658 - Outdoor Temperature Sensor allows thermostat to display outdoor temperature.

NOTE - Sensor is required in dual fuel applications, Humiditrol® applications and *Humidity Settings / Humidity / Dewpoint* operation (see Installer Settings).

Wall Plate - X2659



PRODUCT CATALOG

CONTROLS COMFORTSENSE® 3000 L3011C, L3021H

Non-Programmable Thermostats

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Supersedes January 2018

FEATURES

Large, back-lit, easy-to-read LCD screen.

Digital display offers more accurate control of temperature settings than mechanical controls.

Large buttons are easy to push.

Sleek, modern appearance works well with any decor.

System status icons show when the HVAC system is running.

Continuous or automatic fan/blower operation.

Filter monitor displays when it is time to service the HVAC system filter.

Service monitor indicates when the system compressor is not operating properly.

Hard-wired to the indoor unit power supply. No batteries to change.

Heat pump model can be used in dual-fuel applications or applications with auxiliary heat lockout. Requires optional outdoor temperature sensor.

Equipped with overheat protection in heating mode, a bimetal switch will open Y1, W1 and E if room temperature exceeds 93°F.

Screw terminals on removable sub-base.

Five-minute compressor short-cycle protection.

Minimum run time:

Gas or Electric Heat - 3 minutes

Heat Pump Heating - 4 minutes

Cooling - 4 minutes

LCD backlight turns on for 8 seconds when any key is pressed.

Room - shows the current room temperature.

Setpoint - shows the set point temperature.



System selector indicators - shows the current selection of system control; COOL, OFF, HEAT, and EMG. HEAT (heat pump model only).

If heating is activated, the system status will show a flame icon.

If cooling is activated, the system status will show a snowflake icon.

Fan selection indicator shows the current selection of fan control which can be ON or AUTO.

If the fan is activated, the fan status will show a rotating fan icon.

The service status will show a 1HZ blinking indicator when 24VAC or 0VAC is present at the L terminal and Y1 has been activated for at least five minutes.

Temperature set range: 50°F to 90°F

Room temperature display range: 35°F to 99°F

Room temperature display: User selectable Fahrenheit or Celsius.

Fan control: On/Auto

User selectable filter reminder: Off, 1, 3, 6, or 12 months.

Power Supply: 18-30 VAC - 60hz

Memory and filter counters maintained for 24 hours of power outage.

Dimensions: 4-7/8 x 3-1/2 x 1-5/16 in. (125 x 90 x 33)

LIMITED WARRANTY

Two-year limited warranty in residential applications.

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

ORDERING INFORMATION

L3011C (51M32) - 1 Heat/1 Cool - Single stage gas/electric

Terminals: R, C, Y1, W1, G, L

L3021H (51M33) - 2 Heat/1 Cool - Heat pump systems

Terminals: R, C, Y1, W1, E, O, B, G, L, T, T

ACCESSORIES

X2658 - Outdoor Temperature Sensor (For heat pump model only)
Provides balance point control for multi-stage heat pumps.

Sensor uses 22AWG thermostat wire up to 150 ft. long.

X2659 - Wall Plate

REVISIONS

Sections	Description of Change
Gas Furnaces	Updated LP Conversion Kit Catalog Numbers (January 2018) New product - ML180UHE and ML180DFE (February 2018)
Indoor Air Quality	Performance data updated for HRV5-200-TPD and HRV5-200-TPD-GDX (January 2018)
Indoor Coils	Removed C33 coils (product discontinued) (February 2018)
Mini-Splits	New product - MMDB Medium Static Ducted Indoor Units. Specifications, ratings and dimensions added (January 2018)
Packaged Electric/Electric	LRP14AC - Updated Electrical Data (February 2018)
Solar Kits/Accessories	Section removed (product discontinued) (February 2018)