2022 NORTH AMERICAN PRODUCT CATALOG 60Hz

RESIDENTIAL PRODUCT CATALOG

Bulletin No. 210968
January 2022
(Supersedes all previous versions)

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GAS FURNACES

SLP99UHV **1**
Upflow/Horizontal - Precise Comfort™ Variable Capacity Heating; AirFlex™ Variable Speed Blower - Direct Vent - SilentComfort™ Technology; AFUE - Up to 99.0% - Input - 66,000 to 132,000 Btuh

SLP99DFV **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

SL297UHNV **7**
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower - Direct Vent
Ultra-Low NOx (14ng/J)
AFUE - 97.5% - Input - 40,000 to 80,000 Btuh

SL280UHV **11**
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower; SilentComfort™ Technology; AFUE - 80% - Input - 66,000 to 132,000 Btuh

SL280DFV **13**
Downflow - Two-Stage Heat - Variable Speed Blower; SilentComfort™ Technology; AFUE - 80% - Input - 66,000 to 110,000 Btuh

SL280UHNV **17**
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower; Ultra-Low NOx (14ng/J); AFUE - 80% - Input - 60,000 to 100,000 Btuh

SL280DFNV **19**
Downflow - Two-Stage Heat - Variable Speed Blower; Ultra-Low NOx (14ng/J); AFUE - 80% - Input - 60,000 to 80,000 Btuh

EL296UHV **23**
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower; Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 132,000 Btuh

EL296DFV **25**
Downflow - Two-Stage Heat - Variable Speed Blower; Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

EL296UHE **29**
Upflow/Horizontal - Two-Stage Heat; Constant Torque Blower Motor - Direct/Non-Direct Vent
AFUE - Up to 96% - Input - 44,000 to 132,000 Btuh

EL296DFE **31**
Downflow - Two-Stage Heat; Constant Torque Blower Motor - Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

EL196UHE **35**
Upflow/Horizontal - Constant Torque Blower Motor Direct/Non-Direct Vent
AFUE - 96% - Input - 30,000 to 110,000 Btuh

EL195UHNE **39**
Upflow/Horizontal - Constant Torque Blower Motor Direct/Non-Direct Vent
Ultra-Low NOx (14ng/J) - AFUE - 95% - Input - 40,000 to 100,000 Btuh

EL280UHE **43**
Upflow/Horizontal - Two-Stage Heat - Constant Torque Blower Motor; AFUE - 80%; Input - 44,000 to 110,000 Btuh

EL280DFE **45**
Downflow- Two-Stage Heat - Constant Torque Blower Motor; AFUE - 80%; Input - 66,000 to 88,000 Btuh

EL180UHNE **49**
Upflow/Horizontal - Constant Torque Blower Motor; Ultra-Low NOx (14ng/J); AFUE - 80% - Input - 40,000 to 100,000 Btuh

ML296UHV **53**
Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower; Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

ML296DFV **55**
Downflow - Two-Stage Heat - Variable Speed Blower; Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 88,000 Btuh

ML196UHE **59**
Upflow/Horizontal - Constant Torque Blower Motor Direct/Non-Direct Vent
AFUE - 96% - Input - 30,000 to 132,000 Btuh

ML196DFE **61**
Downflow - Constant Torque Blower Motor Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

ML193UHE **65**
Upflow/Horizontal - Direct/Non-Direct Vent Constant Torque Blower Motor - AFUE - 93%; Input - 30,000 to 110,000 Btuh

ML193DFE **67**
Downflow - Direct/Non-Direct Vent; Constant Torque Blower Motor - AFUE - 93%; Input - 44,000 to 88,000 Btuh

ML180UHV **71**
Upflow/Horizontal - Variable Speed Blower; AFUE - 80%; Input - 30,000 to 110,000 Btuh

ML180UHE **75**
Upflow/Horizontal - Constant Torque Blower Motor; AFUE - 80%; Input - 44,000 to 132,000 Btuh

ML180DFE **77**
Downflow - Constant Torque Blower Motor; AFUE - 80%; Input - 44,000 to 110,000 Btuh

GAS UNIT HEATERS / DUCT FURNACES

LF25-030-105 . . . . . **1**
Horizontal, Low Profile, Gas-Fired Unit Heaters; Steady State Efficiency - Up to 81.0%; Input - 30,000 to 105,000 Btuh

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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

WATER HEATERS / BOILERS

GWM-IE 1
Gas-Fired, Modulating, Condensing, Wall Hung Water Boiler; AFUE - 95% ; Input - 50,000 to 200,000 Btuh

GCWB95 3
Gas-Fired Condensing Combination Water Boiler; AFUE - 95% ; Domestic Hot Water Heating Input - 153,000 to 205,000 Btuh; Space Heating Input - 125,000 to 164,000 Btuh

GWB9-IH 5
Gas-Fired - Water Boiler; AFUE - 90% ; Input - 50,000 to 100,000 Btuh

GWB84-IE 7
Gas-Fired - Water Boiler; AFUE - Up to 84.4% ; Input - 42,500 to 187,500 Btuh

GWB84-E 9
Gas-Fired - Water Boiler; AFUE - 84.0% ; Input - 59,000 to 299,000 Btuh

GSB8-E 13
Gas-Fired - Steam Boiler; AFUE - Up to 82.7%; Input - 75,000 to 299,000 Btuh

OWB86 15
Oil-Fired - Water Boiler; AFUE - 86%; Input - 112,000 to 217,000 Btuh

AIR CONDITIONERS

SL28XCV 1
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 28.00; 2 to 5 Tons

XC21 3
R-410A - Two-Stage Scroll Compressor; SEER - Up to 21.00; 2 to 5 Tons

XC20 5
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 22.00; 2 to 5 Tons

EL18XCV 7
R-410A - Variable Capacity Rotary Compressor - Precise Comfort™ Technology; SEER - Up to 18.50; 2 to 5 Tons

EL16XC1 9
R-410A - Scroll Compressor; SEER - Up to 17.90; 1.5 to 5 Tons

XC13N 11
R-410A - Scroll Compressor; SEER - Up to 16.00; 1.5 to 5 Tons

ML14XC1 13
R-410A - Scroll Compressor; SEER - Up to 18.00; 1.5 to 5 Tons

16ACX 15
R-410A - Two-Stage Scroll Compressor; SEER - Up to 18.00; 2 to 5 Tons

13ACXN 17
R-410A - Scroll Compressor; SEER - Up to 16.00; 1.5 to 5 Tons

HEAT PUMP OUTDOOR UNITS

SL25XPV 1
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 24.00 / HSPF - Up to 11.80; 2 to 5 Tons

XP25 3
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 23.50 / HSPF - Up to 10.20; 2 to 5 Tons

XP21 5
R-410A - Two-Stage Scroll Compressor - SilentComfort™ Technology; SEER - Up to 19.20 / HSPF - Up to 9.70; 2 to 5 Tons

XP20 7
R-410A - Variable-Capacity Scroll Compressor; SEER - Up to 20.00 / HSPF - Up to 10.00; 2 to 5 Tons

EL18XPV 9
R-410A - Variable Capacity Compressor - Precise Comfort™ Technology; SEER - Up to 20.00 / HSPF - Up to 10.00; 2 to 5 Tons

EL16XP1 11
R-410A - Scroll Compressor; SEER - Up to 17.00 / HSPF - Up to 9.80; 1.5 to 5 Tons

ML16XP1 13
R-410A; SEER - Up to 17.00 / HSPF - Up to 9.80; 1.5 to 5 Tons

ML14XP1 15
R-410A; SEER - Up to 16.00 / HSPF - Up to 9.00; 1.5 to 5 Tons

16HPX 17
R-410A - Two-Stage Scroll Compressor; SEER - Up to 17.00 / HSPF - Up to 9.50; 2 to 5 Tons

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INDOOR COILS

CX35 (CASED) 1
Upflow - Cased - R-410A - Factory TXV - Quantum™ Coil 1.5 to 5 Tons
C35 (CASED) 3
Upflow - Cased - Quantum™ Coil; 1.5 to 5 Tons
C35 (UNCASED) 5
Upflow - Uncased - Quantum™ Coil; 1.5 to 5 Tons
CHX35 7
Horizontal - Cased - R410A - Factory TXV - Quantum™ Coil; 1.5 to 5 Tons
CH35 9
Horizontal - Cased - Quantum™ Coil; 1.5 to 5 Tons
CH23 11
Horizontal - Cased; 1.5 to 5 Tons
CR33 13
Downflow - Cased; 1.5 to 5 Tons

AIR HANDLERS

CBA38MV 1
Multi-Position - R-410A - Variable Speed Blower; 1.5 to 5 Tons; Optional Electric Heat - 4 to 25 kW
CBA27UH 3
Upflow / Horizontal - Quantum™ Coil - R410A; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 25 kW
CBA25UHV 5
Upflow / Horizontal - R410A - Programmable Multi-Speed Blower Motor; 1.5 to 5 Tons; Optional Electric Heat - 2.5 to 20 kW
CBA25UH 7
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 10.6
MPB 13
Single-Zone Heat Pump System - R-410A; SEER - Up to 23.50
HSPF - Up to 11.5
MLA/MLB 23
Multi-Zone Low Ambient Heat Pump System - R-410A; SEER - Up to 22.00
HSPF - Up to 12.5
MLA/MLB 33
Single-Zone Low Ambient Heat Pump System - R-410A; SEER - Up to 24.00
HSPF - Up to 12.5
MHA 43
Single Zone Ductless Heat Pump System - R-410A; SEER - Up to 19.00
HSPF - Up to 10.0
MCA 47
Single Zone Ductless Air Conditioning Systems - R-410A; SEER - Up to 20.00

PACKAGED GAS / ELECTRIC

LRP16GE / LRP16GX 1
Two-Stage Heating/Cooling - AFUE - 81% / R-410A / 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 / LRP14GX 3
AFUE - 81% / SEER - 14.0 / R-410A; 2 to 5 Tons - Net Cooling Capacity - 22,600 to 57,000 Btuh; Heating Input Capacity - 54,000 to 126,000 Btuh
LRP14GN 5
Ultra-Low NOx (14ng/J) / AFUE - 81% / SEER - 14.0 / R-410A; 2 to 5 Tons - Net Cooling Capacity - 22,600 to 57,000 Btuh; Heating Input Capacity - 54,000 to 72,000 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

PCO3S 1
PUREAIR® S Air Purification System
PCO3 3
PUREAIR® Air Purification System
HCC 5
MERV 11, MERV 13 and Carbon Clean 16™ (MERV 16) Media Air Cleaners
Carbon Clean 16™ Filters 7
Boxed Filters
MERV 11 Filters 8
Boxed Filters
MERV 16 Filters 9
Expandable Filter Kits
MERV 11 Filters 10
Expandable Filter Kits
MERV 8 Filters 11
Pleated Filters
HEPA 12
HEPA Bypass Air Filtration System
UVC 13
Ultraviolet Germicidal Light
UV 14
Ultraviolet Germicidal Light
LVCS 15
Lennox Ventilation Control System
HCWP3 17
Power Humidifier - 18 Gallons Per Day
HCWB3 18
By-Pass Humidifier-12 to 17 Gallons Per Day
HRV/ERV 19
Heat Recovery Ventilator/Energy Recovery Ventilator
HCWHD4 25
Whole-Home Dehumidifier-Nominal Capacity - 80 to 130 pints per day
EDA 29
Humiditrol® Whole-Home Dehumidification System

ZONING

iHarmony® 1
Zoning System for Residential Communicating,; Variable Air Volume Heating/Cooling Systems
Harmony III™ 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

CONTROLS

iComfort® S30 1
Ultra-Smart Wi-Fi Thermostat
EIM 2
iComfort® Equipment Interface Module (EIM)
iComfort® E30 3
Smart Wi-Fi Thermostat
iComfort® M30 4
Smart Wi-Fi Thermostat
ComfortSense® 7500 5
Touchscreen 7 Day Programmable Thermostat
ComfortSense® 5500 6
Touchscreen 7-Day Programmable Thermostats
ComfortSense® 3000 7
5-2 Day Programmable Thermostats
ComfortSense® 3000 8
Non-Programmable Thermostats

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GAS FURNACES
SLP99UHV
DAVE LENNOX *SIGNATURE*® COLLECTION

RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Precise Comfort™ Variable Capacity Heating
AirFlex™ Variable Speed Blower - Direct Vent - SilentComfort™ Technology
AFUE - Up to 99.0% - Input - 66,000 to 132,000 Btuh

January 2022
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NOTE - Furnaces Cannot Be Twinned!

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

iComfort. So simple. So smart. So comfortable.

- Discharge Air Averaging Sensor
- 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 finish
- Sealed blower compartment
- Inner blower compartment access panel
- Fully insulated with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Lifetime (twenty-year transferable)
- All other covered components - Ten years

NOTE - 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 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System

Filter Kits

- Air Filter and Rack Kits

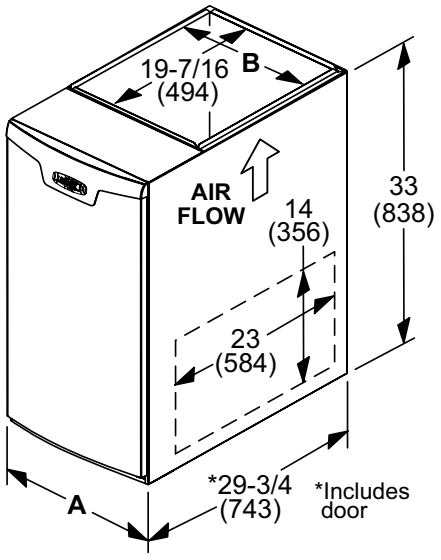
Gas Heating

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

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

		Model No.	SLP99UH070XV36B	SLP99UH090XV36C	SLP99UH090XV48C
Gas Heating Performance		[1] AFUE	98.1%	98.1%	98.2%
	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
		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
Connections in.		Intake / [2] 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 9	10 x 9	11 x 11
		Motor output - hp	1/2	1/2	3/4
		Tons of add-on cooling	2 - 3	2 - 3.5	2.5 - 4
		Air Volume Range - cfm	339 - 1365	520 - 1360	528 - 1770
Electrical 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	139	156	166

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] 2 in. Rubber Flue Coupling is furnished for exhaust pipe connection to unit.

SPECIFICATIONS

		Model No.	SLP99UH090XV60C	SLP99UH110XV60C	SLP99UH135XV60D
Gas Heating Performance		[1] AFUE	99%	98.1%	98.4%
	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
		Output - Btuh	30,000	38,000	45,000
		Temperature rise range - °F	25 - 55	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
Connections in.		Intake / [2] 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.	11 x 11	11 x 11	11 x 11
		Motor output - hp	1	1	1
		Tons of add-on cooling	3 - 5	3 - 5	3.5 - 5
		Air Volume Range - cfm	380 - 2195	580 - 2125	646 - 2190
Electrical Data		Voltage (Maximum Amps)	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	166	176	191

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] 2 in. Rubber Flue Coupling is furnished for exhaust pipe connection to unit.

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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

iComfort. So simple. So smart. So comfortable.

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 finish
- Sealed blower compartment
- Inner blower compartment access panel
- Fully insulated with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Lifetime (twenty-year transferable)
- All other covered components - Ten years

NOTE - 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)

NOTE - Furnaces Cannot Be Twinned!

ACCESSORIES

- See page 5

Cabinet

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

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System

Filter Kits

- Downflow Filter and Rack Kit

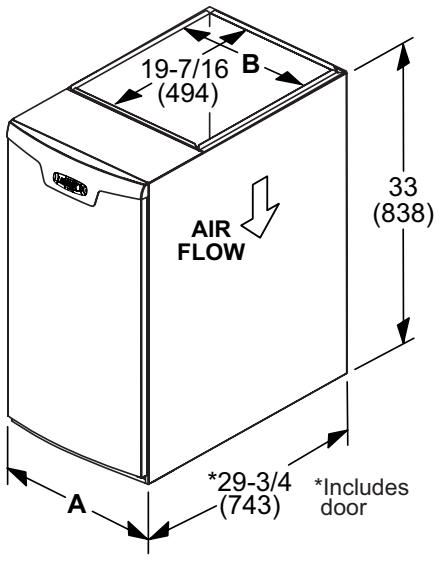
Gas Heating

- 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

		Model No.	SLP99DF070XV36B	SLP99DF090XV36C	SLP99DF090XV48C
Gas Heating Performance		[1] AFUE	97.5%	97.5%	97.5%
	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
		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
Connections in.		Intake / [2] 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 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	465 - 1385	545 - 1745
Electrical 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	141	156	166

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] 2 in. Rubber Flue Coupling is furnished for exhaust pipe connection to unit.

SPECIFICATIONS

		Model No.	SLP99DF090XV60C	SLP99DF110XV60C
Gas Heating Performance		[1] AFUE	97.5%	97.5%
	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
		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
Connections in.		Intake / [2] 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 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		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	166	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.

[2] 2 in. Rubber Flue Coupling is furnished for exhaust pipe connection to unit.

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SLP99UHV, SLP99DFV - OPTIONAL ACCESSORIES

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 Ultra-Smart Wi-Fi Thermostat			**19V30**	**19V30**	**19V30**
[1] Remote Outdoor Air Temperature Sensor			**X2658**	**X2658**	**X2658**
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet			**51W07**	**51W08**	**- - -**
		[2] No. and size of filter - in.	(2) 16 x 20 x 1	(2) 16 x 20 x 1	- - -
UPFLOW/HORIZONTAL FILTER KITS					
[2] 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			**20F44**	**20F44**	**20F44**
TERMINATION KITS					
Direct Vent	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**
	Roof Termination Flashing Kit (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**	**- - -**
		3 in.	**44J41**	**44J41**	**44J41**
VENTING					
[3] Left Side Vent Kit (downflow only)		2 or 3 in.	**87W73**	**87W73**	**87W73**

[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] Cleanable frame type filter.

[3] NOTE - The curved exhaust pipe furnished with the Left Side Vent Kit counts as one additional 2 in. diameter 90° elbow. When using 3 in. diameter pipe, the furnished curved exhaust pipe and field provided fittings to transition from 2 in. to 3 in. count as 20 feet of equivalent pipe on all units.

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.

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GAS HEAT ACCESSORIES - SLP99UHV

Input	High Altitude Pressure Switch Kit	Natural Gas to LPG/Propane Kit	Natural Gas to LPG/Propane Kit	High Altitude Conversion Kit Natural Gas	LPG/Propane to Natural Gas Kit	Muffler (US Only)
	7501 - 10,000 ft.	0 - 4500 ft.	4501 - 10,000 ft.	4501 - 10,000 ft.	0 - 7500 ft.	
070	14T65	65W77	65W77	- - -	70W87	15Y66 (2-inch)
090XV36C/48C	14T65	65W77	65W77	- - -	70W87	15Y66 (2-inch)
090XV60C	20A87	20A26	20A88	20A89	- - -	15Y66 (2-inch)
110	14T65	65W77	65W77	- - -	70W87	[1] 15Y66 (2-inch) 16A56 (3-inch)
135	14T65	65W77	65W77	- - -	70W87	16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

GAS HEAT ACCESSORIES - SLP99DFV

Input	High Altitude Pressure Switch Kit	Natural Gas to LPG/Propane Kit	LPG/Propane to Natural Gas Kit	Muffler (US Only)
	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	
070	14T67	65W77	70W87	15Y66 (2-inch)
090	14T67	65W77	70W87	15Y66 (2-inch)
110	14T67	65W77	70W87	[1] 15Y66 (2-inch) 16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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GAS FURNACES
SL297UHNV
DAVE LENNOX *SIGNATURE*® COLLECTION

Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower - Direct Vent
Ultra-Low NOx (14ng/J)
AFUE - 97.5% - Input - 40,000 to 80,000 Btuh

January 2022
Supersedes July 2021

RESIDENTIAL PRODUCT CATALOG

FEATURES

Heating System

- Heavy-gauge Aluminized Steel Heat Exchanger Assembly
- Secondary heat exchanger condenser coil constructed of aluminum fins fitted to stainless steel tubes
- Modulating Gas Control Valve
- SureLight® Hot Surface Ignitor
- Combustion Air Inducer
- Pressure Switch
- Thermal Switch
- 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

iComfort
So simple. So smart. So comfortable.

- 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

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

- Fully insulated 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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Lifetime (twenty-year transferable)
- All other covered components - Five years

NOTE - 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)

NOTE - 40K Input Furnaces are Natural Gas Only!

NOTE - Furnaces Cannot Be Twinned!

NOTE - Not Available In All Areas! Contact Your Nearest Lennox Sales Office For Details.

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 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System
- Twinning Kit

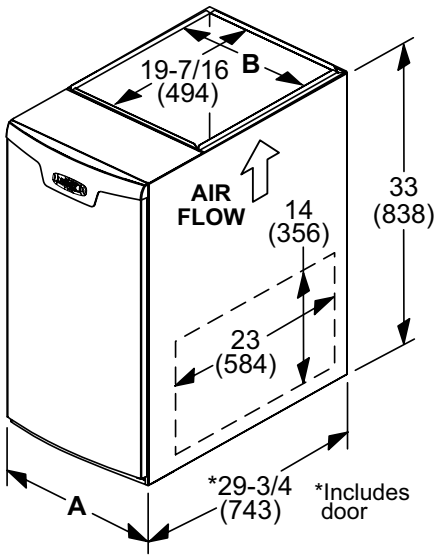
Filter Kits

- Air Filter and Rack Kits

Gas Heating

- Gas Conversion Kits (60 and 80K only)
- Termination Kits

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	SL297UH040NV36B	SL297UH060NV36B
		[1] AFUE	97.5%	97.5%
	High Fire	Input - Btuh	40,000	60,000
		Output - Btuh	39,000	58,000
		Temperature rise range - °F	30-60	50-80/25-55
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5	3.5
	Low Fire	Input - Btuh	26,000	39,000
		Output - Btuh	25,000	38,000
		Temperature rise range - °F	20 - 50	25 - 55
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.5	1.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
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.	10 x 9	10 x 9
		Motor output - hp	1/2	1/2
		Tons of add-on cooling	2 - 3	2 - 3
		Air Volume Range - cfm	440-1370	475-1380
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	7.7	7.7
		Maximum overcurrent protection	15	15
Shipping Data		lbs. - 1 package	125	130

SPECIFICATIONS

Gas Heating Performance		Model No.	SL297UH080NV48C	SL297UH080NV60C
		[1] AFUE	97.5%	97.5%
	High Fire	Input - Btuh	80,000	80,000
		Output - Btuh	78,000	78,000
		Temperature rise range - °F	45-75	40-70
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5	3.5
	Low Fire	Input - Btuh	52,000	52,000
		Output - Btuh	51,000	51,000
		Temperature rise range - °F	30 - 60	25 - 55
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.5	1.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
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 x 11	11 x 11
		Motor output - hp	3/4	1
		Tons of add-on cooling	2.5 - 4	3 - 5
		Air Volume Range - cfm	620-1730	870-2285
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	10.1	12.8
		Maximum overcurrent protection	15	15
Shipping Data		lbs. - 1 package	154	156

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.

AHRI CERTIFIED™ www.ahridirectory.org

DESIGN CSA CERTIFIED®

ENERGY STAR

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACES CANNOT BE TWINNED!

			"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Horizontal Suspension Kit - Horizontal only			**51W10**	**51W10**
Return Air Base - Upflow only			**50W98**	**50W99**
High Performance Economizer (Commercial Only)			**10U53**	**10U53**
CONDENSATE DRAIN KITS				
Condensate Drain Heat Cable		6 ft.	**26K68**	**26K68**
		24 ft.	**26K69**	**26K69**
Crawl Space Vent Drain Kit		US	**51W18**	**51W18**
		Canada	**15Z70**	**15Z70**
CONTROLS				
iComfort® S30 Ultra-Smart Wi-Fi Thermostat			**19V30**	**19V30**
[1] **Remote Outdoor Air Temperature Sensor** (for dual fuel and Humiditrol®)			**X2658**	**X2658**
[2] **Discharge Air Temperature Sensor**			**88K38**	**88K38**
UPFLOW/HORIZONTAL FILTER KITS				
[3] **Air Filter and Rack Kit**	Horizontal (end)	Size of filter - in.	**87L96** - 18 x 25 x 1	**87L97** - 20 x 25 x 1
	Side Return	Single	**44J22**	**44J22**
		Ten Pack	**66K63**	**66K63**
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1
TERMINATION KITS				
Direct Vent	Concentric	US - 2 in.	**71M80**	**69M29**
		3 in.	**- - -**	**60L46**
		Canada - 2 in.	**44W92**	**44W92**
		3 in.	**- - -**	**44W93**
	Flush-Mount	US - 2, 2-1/2 or 3 in.	**51W11**	**51W11**
		Canada - 2, 2-1/2 or 3 in.	**51W12**	**51W12**
	Wall - Close Couple	US - 2 in.	**22G44**	**- - -**
		3 in.	**44J40**	**44J40**
	Wall - Close Couple WTK	Canada - 2 in.	**30G28**	**- - -**
		3 in.	**81J20**	**81J20**
	Roof Termination Flashing Kit (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**
		3 in.	**44J41**	**44J41**
VENTING				
Flue Coupling		2 in.	**17H92**	**17H92**

[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] Cleanable polyurethane, 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	Natural Gas to LPG/Propane Kit
	0 - 7500 ft.
040	N/A
060	19K05
080	19K06

NOTE - Natural Gas to LPG/Propane Kit is not available for 40K Input furnaces.

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GAS FURNACES
SL280UHV
DAVE LENNOX *SIGNATURE*® COLLECTION

RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

NOTE - Not Available In Canada!
NOTE - Furnaces Cannot Be Twinned!

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

iComfort. So simple. So smart. So comfortable.

- 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 finish
- Sealed blower compartment
- Inner blower compartment access panel
- Fully insulated with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Ten years

NOTE - 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 return	Width	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)

ACCESSORIES

- See page 15

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System

Filter Kits

- Air Filter and Rack Kits

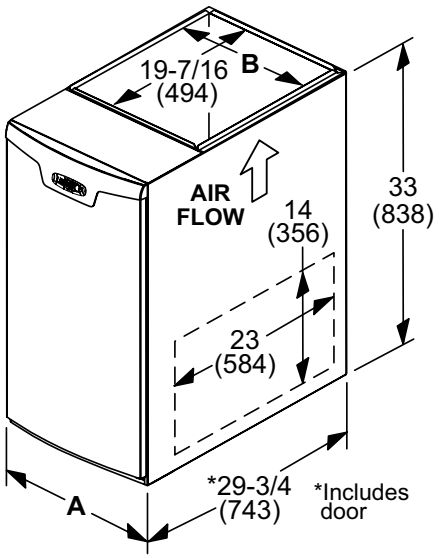
Gas Heating

- 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.) Nat. Gas / LPG/Propane	3.5 / 10	3.5 / 10	3.5 / 10
	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.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	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.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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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RESIDENTIAL PRODUCT CATALOG

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

Page 13
January 2022
Supersedes July 2021

NOTE - Not Available In Canada!
NOTE - Furnaces Cannot Be Twinned!

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

iComfort. So simple. So smart. So comfortable.

- 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 finish
- Sealed blower compartment
- Inner blower compartment access panel
- Fully insulated with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment

Low Leakage Cabinet

- Less than 2%

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Ten years

NOTE - 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 supply Width	13 (330)	16 (406)	19-1/2 (495)
Depth	19-1/4 (489)	19-1/4 (489)	19-1/4 (489)

ACCESSORIES

- See page 15

Cabinet

- Downflow Combustible Flooring Base

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System

Filters

- Downflow Filter Kits

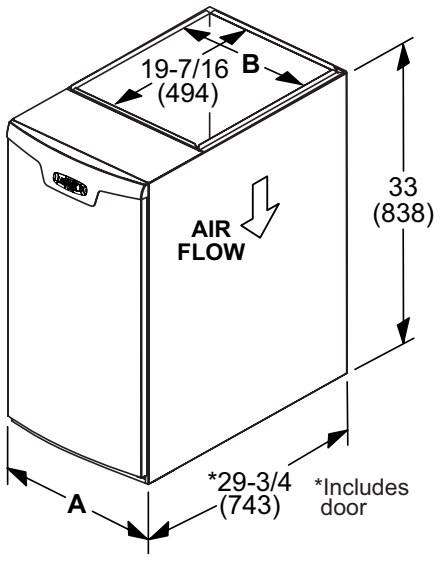
Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

		Model No.	SL280DF070V36A	SL280DF090V48B	SL280DF090V60C	SL280DF110V60C
Gas Heating Performance		[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 / 4.5	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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.

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SL280UHV, SL280DFV - OPTIONAL ACCESSORIES

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 Ultra-Smart Wi-Fi Thermostat		**19V30**	**19V30**	**19V30**	**19V30**
[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 Humiditrol®)		**X2658**	**X2658**	**X2658**	**X2658**
DOWNFLOW FILTER KITS					
Downflow Filter Cabinet		**51W06**	**51W07**	**51W08**	**- - -**
	[4] 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 — Single	**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		**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.

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**	**11K46**
090	**No Change**	**69W56**	**73W35**	**73W36**	**11K51**	**77W09**	**73W37**	**11K46**
110	**No Change**	**69W56**	**73W35**	**73W35**	**11K51**	**77W09**	**73W37**	**11K46**
135	**No Change**	**73W33**	**73W34**	**- - -**	**11K51**	**77W09**	**73W37**	**11K46**

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GAS FURNACES
SL280UHNV
DAVE LENNOX *SIGNATURE*® COLLECTION

RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Two-Stage Heat - Variable Speed Blower
Ultra-Low NOx (14ng/J)
AFUE - 80% - Input - 60,000 to 100,000 Btuh

January 2022
Supersedes July 2021

NOTE - Not Available In Canada!

NOTE - 100K Input Furnaces are Natural Gas Only!

NOTE - Furnaces Cannot Be Twinned!

NOTE - Not Available In All Areas! Contact Your Nearest Lennox Sales Office For Details.

FEATURES

Heating System

- Heavy-gauge Aluminized Steel Heat Exchanger Assembly
- Modulating Gas Control Valve
- SureLight® Hot Surface Ignitor
- Variable-Speed Combustion Air Inducer
- Pressure Switch
- Thermal Switch
- Limit Control

SureLight® Control (iComfort® Communicating)

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

iComfort. So simple. So smart. So comfortable.

- 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 finish
- Sealed blower compartment
- Inner blower compartment access panel
- Fully insulated with foil-faced insulation on sides and back of heating compartment and mat-faced insulation in blower compartment

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Ten years

NOTE - 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 (504)
Bottom return Width	13 (330)	16 (406)	19-1/2 (495)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

- See page 21

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System

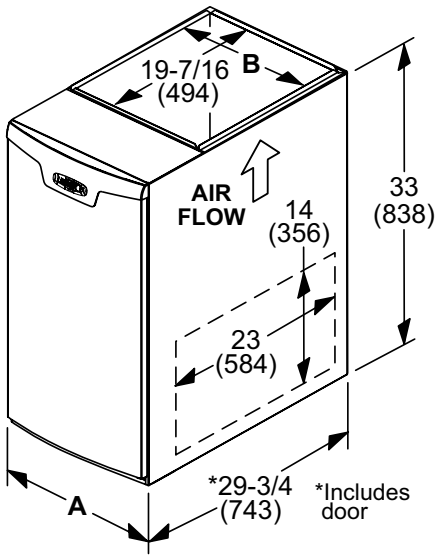
Filter Kits

- Air Filter and Rack Kits

Gas Heating

- Gas Conversion Kits (60K and 80K only)

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		Model No.	SL280UH060NV36A	SL280UH080NV48B
		[1] AFUE	80%	80%
	High Fire	Input - Btuh	60,000	80,000
		Output - Btuh	46,000	62,000
		Temperature rise range - °F	30 - 60	30 - 60
		Gas Manifold Pressure (in. w.g.) Natural Gas Only	3.4	3.4
	Low Fire	Input - Btuh	39,000	52,000
		Output - Btuh	32,000	42,000
		Temperature rise range - °F	20 - 50	20 - 50
		Gas Manifold Pressure (in. w.g.) Natural Gas Only	1.5	1.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
Connections in.		Flue connection − in. round	4	4
		Gas pipe size IPS	1/2	1/2
Indoor Blower		Wheel nominal diameter x width - in.	10 X 8	11-1/2 X 9
		Motor output - hp	1/2	1.0
		Tons of add-on cooling	2 - 3	2.5 - 4
		Air Volume Range - cfm	606 - 1345	679 - 2002
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	7.7	12.8
		Maximum overcurrent protection	15	20
Shipping Data		lbs. - 1 package	114	134

SPECIFICATIONS

Gas Heating Performance		Model No.	SL280UH080NV60C	SL280UH100NV60C
		[1] AFUE	80%	80%
	High Fire	Input - Btuh	80,000	100,000
		Output - Btuh	62,000	77,000
		Temperature rise range - °F	30 - 60	30 - 60
		Gas Manifold Pressure (in. w.g.) Natural Gas Only	3.4	3.4
	Low Fire	Input - Btuh	52,000	65,000
		Output - Btuh	42,000	53,000
		Temperature rise range - °F	20 - 50	25 - 50
		Gas Manifold Pressure (in. w.g.) Natural Gas Only	1.5	1.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
Connections in.		Flue connection − in. round	4	4
		Gas pipe size IPS	1/2	1/2
Indoor Blower		Wheel nominal diameter x width - in.	11-1/2 X 10	11-1/2 X 10
		Motor output - hp	1.0	1.0
		Tons of add-on cooling	3 - 5	3 - 5
		Air Volume Range - cfm	826 - 2305	812 - 2125
Electrical Data		Voltage	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	138	150

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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RESIDENTIAL PRODUCT CATALOG

Downflow - Two-Stage Heat - Variable Speed Blower
Ultra-Low NOx (14ng/J)
AFUE - 80% - Input - 60,000 to 80,000 Btuh

Page 19
January 2022
Supersedes July 2021

NOTE - Not Available In Canada!
NOTE - Furnaces Cannot Be Twinned!
NOTE - Not Available In All Areas! Contact Your Nearest Lennox Sales Office For Details.

FEATURES

Heating System

- Heavy-gauge Aluminized Steel Heat Exchanger Assembly
- Modulating Gas Control Valve
- SureLight® Hot Surface Ignitor
- Variable-Speed Combustion Air Inducer
- Pressure Switch
- Thermal Switch
- Limit Control

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

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

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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) in the furnace model number

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Ten years

NOTE - 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 (504)
Bottom return Width	16 (406)	19-1/2 (495)
Depth	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

- See page 21

Cabinet

- Downflow Combustible Flooring Base

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iHarmony® Zoning System

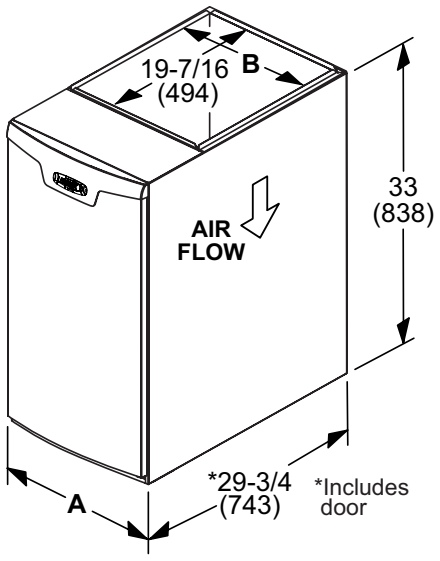
Filter Kits

- Downflow Filter Kits

Gas Heating

- Gas Conversion Kits

DIMENSIONS



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SPECIFICATIONS

		Model No.	SL280DF060NV36B	SL280DF080NV60C
Gas Heating Performance		[1] AFUE	80%	80%
	High Fire	Input - Btuh	60,000	80,000
		Output - Btuh	47,000	64,000
		Temperature rise range - °F	35 - 65	25 - 55
		Gas Manifold Pressure (in. w.g.) Natural Gas Only	3.4	3.4
	Low Fire	Input - Btuh	39,000	52,000
		Output - Btuh	32,000	43,000
		Temperature rise range - °F	25 - 55	15 - 45
		Gas Manifold Pressure (in. w.g.) Natural Gas Only	1.5	1.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
Connections in.		Flue connection − in. round	4	4
		Gas pipe size IPS	1/2	1/2
Indoor Blower		Wheel nominal diameter x width - in.	10 x 8	11-1/2 x 10
		Motor output - hp	1/2	1.0
		Tons of add-on cooling	2 - 3	3 - 5
		Air Volume Range - cfm	600 - 1350	890 - 2270
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	7.7	12.5
		Maximum overcurrent protection	15	15
Shipping Data		lbs. - 1 package	123	145

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.
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OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACES CANNOT BE TWINNED!

		"A" Width Models	"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Downflow Combustible Flooring Base - Downflow only		**- - -**	**11M60**	**11M61**
Horizontal Suspension Kit - Horizontal only		**51W10**	**51W10**	**51W10**
Return Air Base - Upflow only		**65W75**	**50W98**	**50W99**
CONTROLS				
iComfort® S30 Ultra-Smart Wi-Fi Thermostat		**19V30**	**19V30**	**19V30**
[1] Remote Outdoor Air Temperature Sensor		**X2658**	**X2658**	**X2658**
[2] Discharge Air Temperature Sensor		**88K38**	**88K38**	**88K38**
DOWNFLOW FILTER KITS				
Downflow Air Filter and Rack Kit		**- - -**	**51W07**	**51W08**
	No. and Size of filter - in.	- - -	(2) 16 x 20 x 1	(2) 16 x 20 x 1
FILTERS				
[3] Air Filter and Rack Kit	Horizontal (end)	**87L95**	**87L96**	**87L97**
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 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
VENTING				
Vent Adaptor – 6 in. connection size upflow applications only		**18M79**	**18M79**	**18M79**

[1] Remote Outdoor Temperature Sensor is used with conventional (non-iComfort®-enabled) outdoor units (sensor is furnished with iComfort®-enabled outdoor units). Allows the thermostat to display outdoor temperature. Required in dual-fuel and Humiditrol® applications.
[2] Optional for service diagnostics.
[3] Cleanable polyurethane, frame-type filter.

GAS HEAT ACCESSORIES

Input	Natural Gas to LPG/Propane Kit
	0 - 7500 ft.
060	20P40
080	20P41
100	N/A

NOTE - Natural Gas to LPG/Propane Kit is not available for 40K Input furnaces.

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RESIDENTIAL PRODUCT CATALOG

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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NOTE - Furnaces Cannot Be Twinned!

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

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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 - Lifetime (twenty-year transferable)
- All other covered components - Five years

NOTE - 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 37

Cabinet

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

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iComfort® E30 Smart Wi-Fi Thermostat
- iHarmony® Zoning System

Filter Kits

- Air Filter and Rack Kits

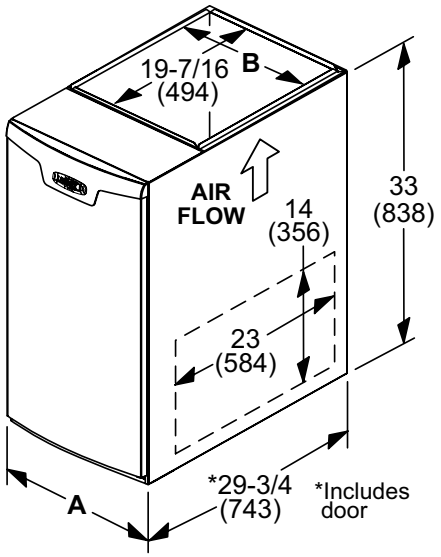
Gas Heating

- 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		Model No.	EL296UH 045XV36B	EL296UH 070XV36B	EL296UH 090XV36C	EL296UH 090XV48C
Performance		[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 / 4.5	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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		Model No.	EL296UH0 90XV60C	EL296UH 110XV48C	EL296UH 110XV60C	EL296UH 135XV60D
Performance		[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 / 4.5	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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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RESIDENTIAL PRODUCT CATALOG

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

iComfort. So simple. So smart. So comfortable.

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

Low Leakage Cabinet

- Less than 2%

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

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 - Lifetime (twenty-year transferable)
- All other covered components - Five years

NOTE - 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)

NOTE - Furnaces Cannot Be Twinned!

ACCESSORIES

- See page 37

Cabinet

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

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iComfort® E30 Smart Wi-Fi Thermostat
- iHarmony® Zoning System

Filter Kits

- Downflow Filter Kits

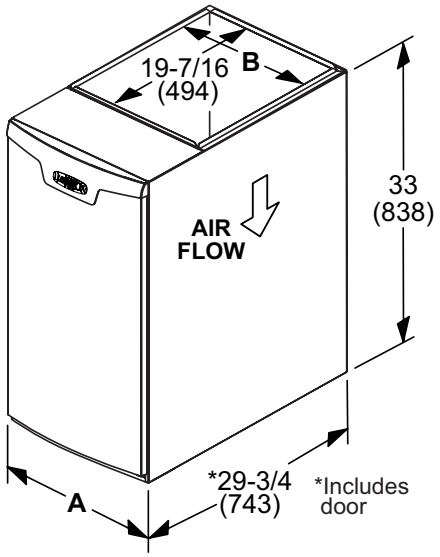
Gas Heating

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

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

		Model No.	EL296DF045XV36B	EL296DF070XV48B	EL296DF090XV60C	EL296DF110XV60C
Gas Heating Performance		[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 / 4.5	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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
		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 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
		Air Volume Range - cfm	545 - 1360	575 - 1800	890 - 2130	860 - 2180
Electrical Data		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.

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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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 Ultra-Smart Wi-Fi Thermostat			**19V30**	**19V30**	**19V30**
[1] Remote Outdoor Air Temperature Sensor			**X2658**	**X2658**	**X2658**
[2] Discharge Air Temperature Sensor			**88K38**	**88K38**	**88K38**
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			**15X35**	**15X35**	**15X35**
TERMINATION KITS					
Direct Vent	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**
	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**	**- - -**
		3 in.	**44J41**	**44J41**	**44J41**
VENTING					
Flue Coupling		2 in.	**17H92**	**17H92**	**17H92**
[5] Left Side Vent Kit (downflow only)		2 or 3 in.	**87W73**	**87W73**	**87W73**

[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.

[5] Cleanable frame type filter.

[2] NOTE - The curved exhaust pipe furnished with the Left Side Vent Kit counts as one additional 2 in. diameter 90° elbow. When using 3 in. diameter pipe, the furnished curved exhaust pipe and field provided fittings to transition from 2 in. to 3 in. count as 20 feet of equivalent pipe on all units.

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.

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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	Muffler (US Only)
	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	15Y66 (2-inch)
070	14A54 (UH) / 14A55 (DF)	14A53 (UH) / 14A56 (DF)	11K51	77W09	73W37	11K46	15Y66 (2-inch)
090	14A57 (UH) / 14A54 (DF)	14A54 (UH) / 14A53 (DF)	11K51	77W09	73W37	11K46	15Y66 (2-inch)
110	14A46	14A51	11K51	77W09	73W37	11K46	[1] 15Y66 (2-inch) 16A56 (3-inch)
135	14A49	14A51	11K51	77W09	73W37	11K46	16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Two-Stage Heat
Constant Torque 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 finish
- Fully insulated 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

Low Leakage Cabinet

- Less than 2%

LIMITED WARRANTY

- Heat Exchanger - Lifetime (twenty-year transferable)
- All other covered components - Five years

NOTE - 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 (505)	23 (584)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

- See page 37

Cabinet

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

Controls

- iComfort® E30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Air Filter and Rack Kits

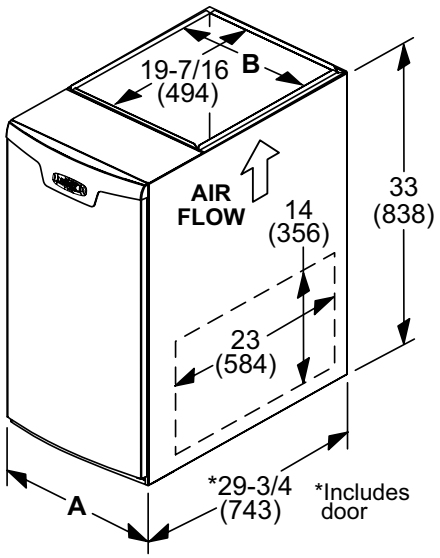
Gas Heating

- 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.	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.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0	3.5 / 10.0
	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.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0
	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.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5
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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RESIDENTIAL PRODUCT CATALOG

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

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Supersedes July 2021

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 finish
- Fully insulated 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 - Lifetime (twenty-year transferable)
- All other covered components - Five years

NOTE - 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 37

Cabinet

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

Controls

- iComfort® E30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Downflow Filter Kits

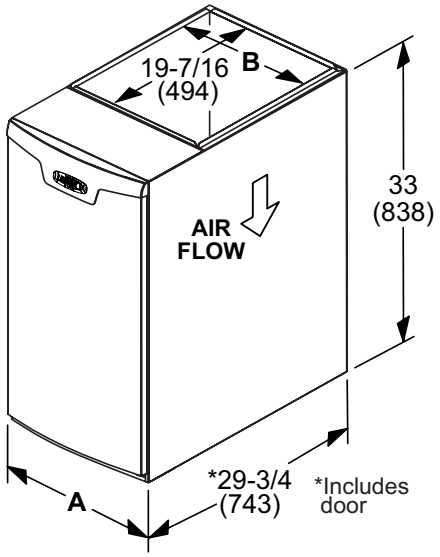
Gas Heating

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

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

			Model No.	EL296DF045XE36B	EL296DF070XE48B	EL296DF090XE48C	EL296DF110XE60C
Gas Heating Performance			[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	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 / 4.5	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
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.
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OPTIONAL ACCESSORIES - ORDER SEPARATELY

			"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					
Twinning Panel			**Y3653**	**Y3653**	**Y3653**
Twinning Kit			**16W72**	**16W72**	**16W72**
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	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	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**
	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**	**- - -**
		3 in.	**44J41**	**44J41**	**44J41**
VENTING					
Flue Coupling		2 in.	**17H92**	**17H92**	**17H92**
[2] Left Side Vent Kit (downflow only)		2 or 3 in.	**87W73**	**87W73**	**87W73**

[1] Cleanable frame type filter.

[2] NOTE - The curved exhaust pipe furnished with the Left Side Vent Kit counts as one additional 2 in. diameter 90° elbow. When using 3 in. diameter pipe, the furnished curved exhaust pipe and field provided fittings to transition from 2 in. to 3 in. count as 20 feet of equivalent pipe on all units.

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.

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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	Muffler (US Only)
	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	15Y66 (2-inch)
070	14A54 (UH) / 14A55 (DF)	14A53 (UH) / 14A56 (DF)	11K51	77W09	73W37	11K46	15Y66 (2-inch)
090	14A57 (UH) / 14A54 (DF)	14A54 (UH) / 14A53 (DF)	11K51	77W09	73W37	11K46	15Y66 (2-inch)
110	14A46	14A51	11K51	77W09	73W37	11K46	[1] 15Y66 (2-inch) 16A56 (3-inch)
135	14A49	14A51	11K51	77W09	73W37	11K46	16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Constant Torque Blower Motor
Direct/Non-Direct Vent
AFUE - 96% - Input - 30,000 to 110,000 Btuh

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January 2022
Supersedes July 2021

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 finish
- Fully insulated 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 - Lifetime (twenty-year transferable)
- All other covered components - Five years

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for detail.

Furnace Width		"B"	"C"
A Dimension		17-1/2 (446)	21 (533)
B Dimension		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)

ACCESSORIES

- See page 37

Cabinet

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

Controls

- Blower Motor Relay Kit
- iComfort® E30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Air Filter and Rack Kits

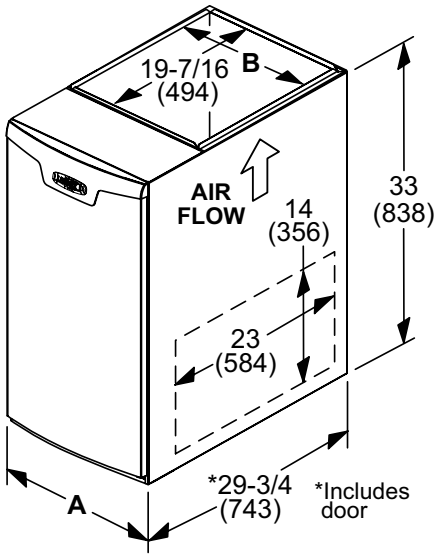
Gas Heating

- 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

	Model No.	EL196UH030XE24B	EL196UH045XE36B	EL196UH070XE36B
Gas Heating Performance	[1] AFUE	96%	96%	96%
	Input - Btuh	30,000	44,000	66,000
	Output - Btuh	28,800	42,800	63,900
	Temperature rise range - °F	30 - 60	35 - 65	35 - 65
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10	3.5 / 10	3.5 / 10
	High static - in. w.g.	0.5	0.5	0.5
Energy Star® Certified		Yes	Yes	Yes
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 nom. dia. x width - in.	10 x 8	10 x 8	10 x 8
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	1/2
	Tons of add-on cooling	1 - 2	1.5 - 3	1.5 - 3
	Air Volume Range - cfm	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
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	129	129	134

SPECIFICATIONS

	Model No.	EL196UH090XE48C	EL196UH110XE60C
Gas Heating Performance	[1] AFUE	96%	96%
	Input - Btuh	88,000	110,000
	Output - Btuh	85,600	107,200
	Temperature rise range - °F	50 - 80	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10	3.5 / 10
	High static - in. w.g.	0.5	0.5
Energy Star® Certified		Yes	Yes
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 nom. dia. x width - in.	10 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless
	Motor output - hp	3/4	1
	Tons of add-on cooling	2.5 - 4	3 - 5
	Air Volume Range - cfm	760 - 1740	1055 - 2220
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase	
	Blower motor full load amps	8.4	10.9
	Maximum overcurrent protection	15	15
Shipping Data	lbs. - 1 package	158	170

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

			"B" Width	"C" Width
CABINET ACCESSORIES				
Horizontal Suspension Kit - Horizontal only			**51W10**	**51W10**
Return Air Base - Upflow only			**50W98**	**50W99**
CONDENSATE DRAIN KITS				
Condensate Drain Heat Cable		6 ft.	**26K68**	**26K68**
		24 ft.	**26K69**	**26K69**
Crawl Space Vent Drain Kit		U.S.	**51W18**	**51W18**
		Canada	**15Z70**	**15Z70**
CONTROLS				
Blower Motor Relay Kit (for two-stage outdoor units)			**85W66**	**85W66**
Twinning Panel			**Y3653**	**Y3653**
Twinning Kit			**16W72**	**16W72**
UPFLOW/HORIZONTAL FILTER KITS				
[1] **Air Filter and Rack Kit**	Horizontal (end)		**87L96**	**87L97**
		Size of filter - in.	18 x 25 x 1	20 x 25 x 1
	Side Return	Single	**44J22**	**44J22**
		Ten Pack	**66K63**	**66K63**
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1
SERVICE KIT				
Night Service Kit			**84W48**	**84W48**
TERMINATION KITS				
Direct Vent	Concentric	U.S. - 2 in.	**71M80**	**69M29**
		3 in.	**- - -**	**60L46**
		Canada - 2 in.	**44W92**	**44W92**
		3 in.	**- - -**	**44W93**
	Flush-Mount	U.S. - 2, 2-1/2 or 3 in.	**51W11**	**51W11**
		Canada - 2, 2-1/2 or 3 in.	**51W12**	**51W12**
	Wall - Close Couple	U.S. - 2 in.	**22G44**	**- - -**
		3 in.	**44J40**	**44J40**
	Wall - Close Couple WTK	Canada - 2 in.	**30G28**	**- - -**
		3 in.	**81J20**	**81J20**
	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**
		3 in.	**44J41**	**44J41**
VENTING				
Flue Coupling		2 in.	**17H92**	**17H92**

[1] 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.

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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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	Muffler (US Only)
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.	15Y66 (2-inch)
030	11U65	11U66	17H63	N/A	14C90	17H66	15Y66 (2-inch)
045	11U65	11U66	11K49	73W81	73W37	11K44	15Y66 (2-inch)
070	11U71	11U67	11K49	73W81	73W37	11K44	15Y66 (2-inch)
090	11U70	11U64	11K49	73W81	73W37	11K44	15Y66 (2-inch)
110	11U71	11U64	11K49	73W81	73W37	11K44	[1] 15Y66 (2-inch) 16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Constant Torque Blower Motor
Direct/Non-Direct Vent
Ultra-Low NOx (14ng/J) - AFUE - 95% - Input - 40,000 to 100,000 Btuh

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Supersedes July 2021

FEATURES

Heating System

- Heavy-gauge Aluminized Steel Heat Exchanger Assembly
- Secondary heat exchanger condenser coil constructed of aluminum fins fitted to stainless steel tubes
- Modulating Gas Control Valve
- SureLight® Hot Surface Ignitor
- Combustion Air Inducer
- Pressure Switch
- Thermal Switch
- 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 finish
- Fully insulated 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

NOTE - 40K and 100K Input Furnaces are Natural Gas Only!

NOTE - Not available in all areas! Contact your nearest Lennox Sales Office for details.

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Five years

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

ACCESSORIES

- See page 41

Cabinet

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

Controls

- Blower Motor Relay Kit
- iComfort® E30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

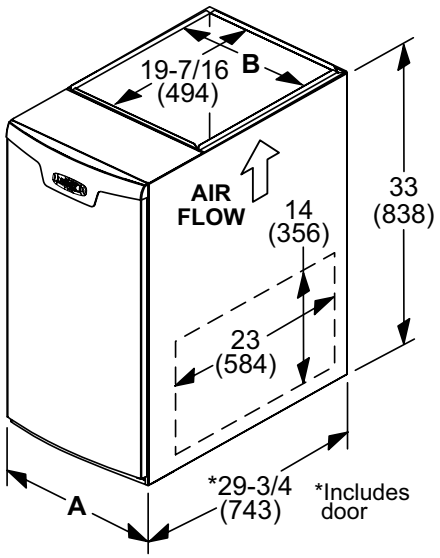
- Air Filter and Rack Kits

Gas Heating

- Gas Conversion Kits (60K and 80K only)
- Termination Kits

DIMENSIONS

Furnace Width		"B"	"C"
A Dimension		17-1/2 (446)	21 (533)
B Dimension		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)



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SPECIFICATIONS

Gas Heating Performance	**Model No.**	**EL195UH040NE36B**	**EL195UH060NE36B**
	[1] AFUE	95%	95%
	Input - Btuh	40,000	60,000
	Output - Btuh	39,000	58,000
	Temperature rise range - °F	30 - 60	35 - 65
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5	3.5
	High static - in. w.g.	0.5	0.5
Energy Star® Certified		Yes	Yes
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 nom. dia. x width - in.	10 x 8	10 x 8
	Motor Type	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2
	Tons of add-on cooling	1 - 2	1.5 - 3
	Air Volume Range - cfm	260 - 990	550 - 1380
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase	
	Blower motor full load amps	6.8	6.8
	Maximum overcurrent protection	15	15
Shipping Data	lbs. - 1 package	122	128

SPECIFICATIONS

Gas Heating Performance	**Model No.**	**EL195UH080NE48C**	**EL195UH100NE60C**
	[1] AFUE	95%	95%
	Input - Btuh	80,000	100,000
	Output - Btuh	78,000	97,000
	Temperature rise range - °F	40 - 70	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5	3.5
	High static - in. w.g.	0.5	0.5
Energy Star® Certified		Yes	Yes
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 nom. dia. x width - in.	10 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless
	Motor output - hp	3/4	1
	Tons of add-on cooling	2.5 - 4	3.5 - 5
	Air Volume Range - cfm	760 - 1740	1260 - 2405
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase	
	Blower motor full load amps	8.4	10.9
	Maximum overcurrent protection	15	15
Shipping Data	lbs. - 1 package	148	157

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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ENERGY STAR

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

			"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Horizontal Suspension Kit - Horizontal only			**51W10**	**51W10**
Return Air Base - Upflow only			**50W98**	**50W99**
High Performance Economizer (Commercial Only)			**10U53**	**10U53**
CONDENSATE DRAIN KITS				
Condensate Drain Heat Cable		6 ft.	**26K68**	**26K68**
		24 ft.	**26K69**	**26K69**
Crawl Space Vent Drain Kit		US	**51W18**	**51W18**
		Canada	**15Z70**	**15Z70**
CONTROLS				
Blower Relay Kit (for two-stage outdoor units)			**85W66**	**85W66**
Twinning Panel			**Y3653**	**Y3653**
Twinning Kit			**16W72**	**16W72**
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
	Side Return	Single	**44J22**	**44J22**
		Ten Pack	**66K63**	**66K63**
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1
TERMINATION KITS				
Direct Vent	Concentric	US - 2 in.	**71M80**	**69M29**
		3 in.	**- - -**	**60L46**
		Canada - 2 in.	**44W92**	**44W92**
		3 in.	**- - -**	**44W93**
	Flush-Mount	US - 2, 2-1/2 or 3 in.	**51W11**	**51W11**
		Canada - 2, 2-1/2 or 3 in.	**51W12**	**51W12**
	Wall - Close Couple	US - 2 in.	**22G44**	**- - -**
		3 in.	**44J40**	**44J40**
	Wall - Close Couple WTK	Canada - 2 in.	**30G28**	**- - -**
		3 in.	**81J20**	**81J20**
Direct or Non Direct Vent	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**
		3 in.	**44J41**	**44J41**
VENTING				
Flue Coupling		2 in.	**17H92**	**17H92**

[1] Cleanable polyurethane 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	Natural Gas to LPG/Propane Kit
	0 - 7500 ft.
040	N/A
060	19K05
080	19K06
100	N/A

NOTE - Natural Gas to LPG/Propane Kit is not available for 40K and 100K Input furnaces.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Two-Stage Heat - Constant Torque Blower Motor
AFUE - 80%
Input - 44,000 to 110,000 Btuh
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Supersedes July 2021

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

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

NOTE - Not Available In Canada!

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Five years

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

ACCESSORIES

- See page 47

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® E30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

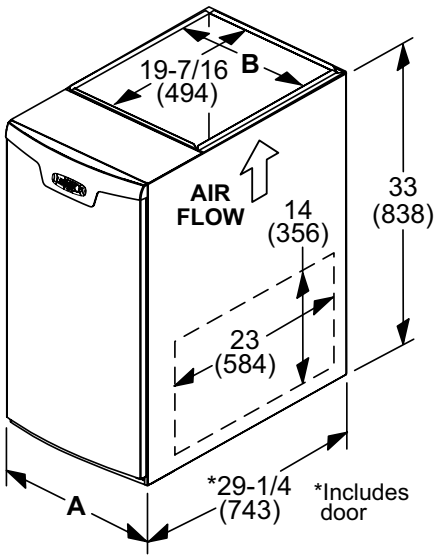
- Air Filter and Rack Kits

Gas Heating

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

DIMENSIONS

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 return	Width	13 (330)	16 (406)	19-1/2 (495)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)



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SPECIFICATIONS

Gas Heating Performance		**Model No.**	**EL280UH045E36A**	**EL280UH070E36A**	**EL280UH090E36B**	**EL280UH090E48B**
		Model No. - Low Nox	**- - -**	**EL280UH070XE36A**	**- - -**	**EL280UH090XE48B**
	AHRI Ref. No.	Non "X" Models	N/A	N/A	N/A	N/A
		"X" Models	N/A	N/A	**- - -**	N/A
		[1] AFUE	80%	80%	80%	80%
	High Fire	Input - Btuh	44,000	66,000	88,000	88,000
		Output - Btuh	35,000	53,000	70,000	69,000
		Temperature rise range - °F	30 - 60	30 - 60	35 - 65	30 - 60
		Gas Manifold Pres. (in. w.g.) Nat. Gas/LPG	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	23,000	35,000	46,000	46,000
		Temperature rise range - °F	20 - 50	20 - 50	25 - 55	20 - 50
		Gas Manifold Press. (in. w.g.) Nat. Gas/LPG	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
High static - in. w.g.		Heating	0.5	0.5	0.5	0.5
		Cooling	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 8	10 x 8	10 x 9	10 x 10
		Motor output - hp	1/2	1/2	1/2	3/4
		Tons of add-on cooling	1.5 - 3.5	2 - 3.5	2 - 3.5	3 - 4
		Air Volume Range - cfm	250 - 1500	350 - 1375	350 - 1600	765 - 1800
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase			
		Blower motor full load amps	6.1	6.1	6.1	8.2
		Maximum overcurrent protection	15	15	15	15
Shipping Data		lbs. - 1 package	113	126	141	144

SPECIFICATIONS

Gas Heating Performance		**Model No.**	**EL280UH110E48C**	**EL280UH110E60C**
		Model No. - Low Nox	**- - -**	**EL280UH110XE60C**
	AHRI Ref. No.	Non "X" Models	N/A	N/A
		"X" Models	**- - -**	N/A
		[1] AFUE	80%	80%
	High Fire	Input - Btuh	110,000	110,000
		Output - Btuh	86,000	87,000
		Temperature rise range - °F	35 - 65	30 - 60
		Gas Manifold Pres. (in. w.g.) Nat. Gas/LPG	3.5 / 10.0	3.5 / 10.0
	Low Fire	Input - Btuh	72,000	72,000
		Output - Btuh	58,000	58,000
		Temperature rise range - °F	25 - 55	20 - 50
		Gas Manifold Pres. (in. w.g.) Nat. Gas/LPG	1.7 / 4.5	1.7 / 4.5
High static - in. w.g.		Heating	0.5	0.5
		Cooling	0.5	0.5
Connections in.		Flue connection − in. round	4	4
		Gas pipe size IPS	1/2	1/2
Indoor Blower		Wheel nominal diameter x width - in.	10 x 10	11-1/2 x 10
		Motor output - hp	3/4	1
		Tons of add-on cooling	3 - 4	4 - 5
		Air Volume Range - cfm	865 - 1780	1100 - 2200
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	8.2	10
		Maximum overcurrent protection	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.

[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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RESIDENTIAL PRODUCT CATALOG

Downflow- Two-Stage Heat - Constant Torque Blower Motor
AFUE - 80%
Input - 66,000 to 88,000 Btuh
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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

Power Saver™ Constant Torque Blower Motor

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

Cabinet

- Downflow applications
- Pre-painted finish
- Fully insulated 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

NOTE - Not Available In Canada!

ACCESSORIES

- See page 47

Cabinet

- Downflow Combustible Flooring Base

Controls

- iComfort® E30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Downflow Filter Kits

Gas Heating

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

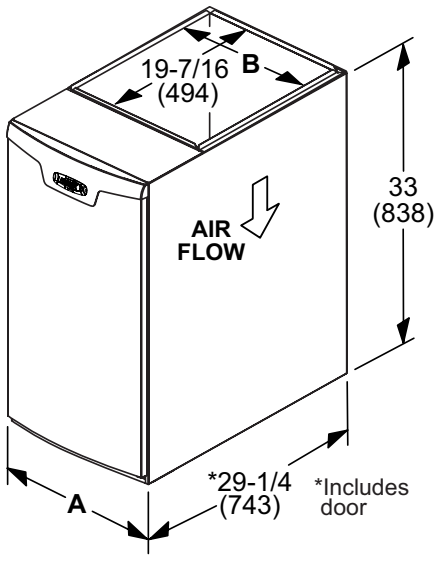
LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Five years

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

DIMENSIONS

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



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SPECIFICATIONS

			Model No.	EL280DF070E36A	EL280DF090E48B
Gas Heating Performance			AHRI Ref. No.		
			[1] AFUE	80%	80%
	High Fire		Input - Btuh	66,000	88,000
			Output - Btuh	52,000	69,000
			Temperature rise range - °F	30 - 60	35 - 65
			Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0
	Low Fire		Input - Btuh	43,000	57,000
			Output - Btuh	35,000	46,000
			Temperature rise range - °F	20 - 50	20 - 50
			Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5
High static - in. w.g.			Heating	0.5	0.5
			Cooling	0.5	0.5
Connections in.			Flue connection - in. round	4	4
			Gas pipe size IPS	1/2	1/2
Indoor Blower			Wheel nominal diameter x width - in.	10 x 8	10 x 10
			Motor output - hp	1/2	3/4
			Tons of add-on cooling	2 - 3.5	3 - 4
			Air Volume Range - cfm	400 - 1475	780 - 1700
Electrical Data			Voltage	120 volts - 60 hertz - 1 phase	
			Blower motor full load amps	6.1	8.2
			Maximum overcurrent protection	15	15
Shipping Data			lbs. - 1 package	128	140

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
CABINET ACCESSORIES				
Downflow Combustible Flooring Base - Downflow only		**11M59**	**11M60**	**- - -**
Horizontal Suspension Kit - Horizontal only		**51W10**	**51W10**	**51W10**
Return Air Base - Upflow only		**65W75**	**50W98**	**50W99**
CONTROLS				
Twinning Panel		**Y3653**	**Y3653**	**Y3653**
Twinning Kit		**16W72**	**16W72**	**16W72**
DOWNFLOW FILTER KITS				
Downflow Filter Cabinet		**51W06**	**51W07**	**- - -**
	[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
NIGHT SERVICE KIT				
Night Service Kit		**17B59**	**17B59**	**17B59**
UPFLOW/HORIZONTAL FILTER KITS				
[1] Air Filter and Rack Kit	Horizontal (end)	**87L95**	**87L96**	**87L97**
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 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
VENTING				
Vent Adaptor - 6 in. connection size upflow applications only		**18M79**	**18M79**	**18M79**

[1] Cleanable polyurethane, frame-type filter.

GAS HEAT ACCESSORIES - ORDER SEPARATELY

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.
045	No Change	91W53	73W35	11K51	77W09	73W37	11K46
070	No Change	91W53	73W35	11K51	77W09	73W37	11K46
090	No Change	91W53	73W35	11K51	77W09	73W37	11K46
110	No Change	91W53	73W35	11K51	77W09	73W37	11K46

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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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Constant Torque Blower Motor
Ultra-Low NOx (14ng/J)
AFUE - 80% - Input - 40,000 to 100,000 Btuh

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FEATURES

Heating System

- Heavy-gauge Aluminized Steel Heat Exchanger Assembly
- Modulating Gas Control Valve
- SureLight® Hot Surface Ignitor
- Variable-Speed Combustion Air Inducer
- Pressure Switch
- Thermal Switch
- Limit Control

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/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

NOTE - Not Available In Canada!

NOTE - 40K and 100K Input Furnaces are Natural Gas Only!

NOTE - Not Available In All Areas! Contact Your Nearest Lennox Sales Office For Details.

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Five years

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

ACCESSORIES

- See page 47

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® E30 Smart Wi-Fi Thermostat
- Blower Relay Kit
- Twinning Panel/Twinning Kit

Filter Kits

- Air Filter and Rack Kits

Gas Heating

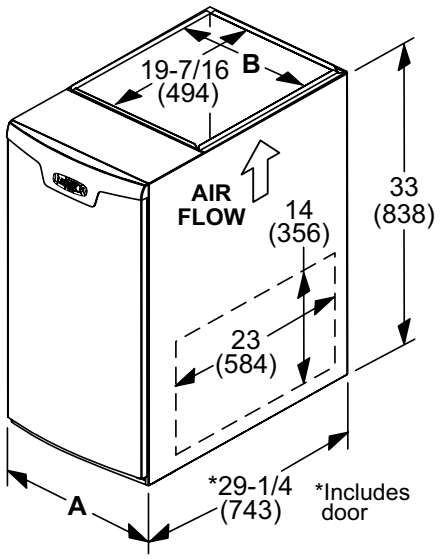
- Gas Conversion Kits (60K and 80K only)
- Vent Adaptor (Upflow Applications Only)

Service Kits

- Night Service Kit

DIMENSIONS

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 return Width	13 (330)	16 (406)	19-1/2 (495)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)



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SPECIFICATIONS

	Model No.	EL180UH040NE36A	EL180UH060NE36A	EL180UH080NE48B	EL180UH100NE60C
Gas Heating Performance	AHRI Ref. No.	202028472	202028473	202028474	202028475
	[1] AFUE	80%	80%	80%	80%
	Input - Btuh	40,000	60,000	80,000	100,000
	Output - Btuh	32,700	49,000	70,500	81,500
	Temperature rise range - °F	20 - 50	30 - 60	35 – 65	35 – 65
Gas Manifold Pressure (in. w.g.) Natural Gas Only		1.8	3.4	3.4	304
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 nominal dia. x width - in.	10 x 8	10 x 8	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	350 - 1380	395 - 1415	750 - 1785	920 - 2315
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	113	125	149

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.
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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		"A" Width Models	"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Horizontal Suspension Kit - Horizontal only		**51W10**	**51W10**	**51W10**
Return Air Base - Upflow only		**65W75**	**50W98**	**50W99**
High Performance Economizer (Commercial Only)		**10U53**	**10U53**	**10U53**
CONTROLS				
iComfort® E30 Smart Wi-Fi Thermostat		**20A65**	**20A65**	**20A65**
Remote Outdoor Temperature Sensor		**X2658**	**X2658**	**X2658**
Blower Relay Kit (for two-stage outdoor units)		**85W66**	**85W66**	**85W66**
Twinning Panel		**Y3653**	**Y3653**	**Y3653**
Twinning Kit		**16W72**	**16W72**	**16W72**
FILTERS				
[1] Air Filter and Rack Kit	Horizontal (end)	**87L95**	**87L96**	**87L97**
	Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 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		**84W47**	**84W47**	**84W47**
VENTING				
Vent Adaptor – 6 in. conn. size upflow applications only		**18M79**	**18M79**	**18M79**

[1] Cleanable polyurethane, frame-type filter.

GAS HEAT ACCESSORIES

Input	Natural Gas to LPG/Propane Kit
	0 - 4500 ft.
040	N/A
060	20P40
080	20P41
100	N/A

NOTE - Natural Gas to LPG/Propane Kit is not available for 40K Input furnaces.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - 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

Controls

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

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 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

NOTE - 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 return	Width	16 (406)	19-1/2 (495)
	Depth	23-1/2 (597)	23-1/2 (597)

NOTE - Furnaces Cannot Be Twinned!
NOTE - Furnaces Cannot Be Zoned!

ACCESSORIES

- See page 57

Cabinet

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

Controls

- iComfort® M30 Smart Wi-Fi Thermostat

Filter Kits

- Air Filter and Rack Kits

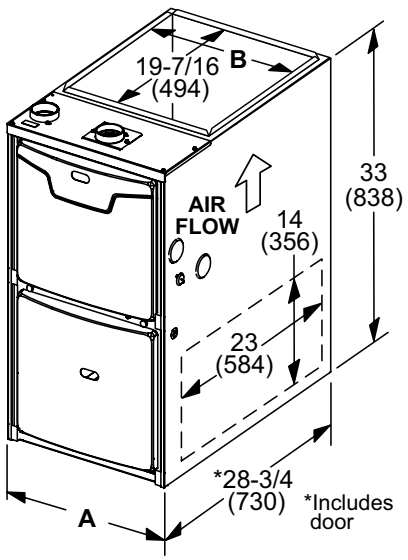
Gas Heating

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

Service Kits

- Night Service Kit

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance		**Model No.**	**ML296UH045XV36B**	**ML296UH070XV36B**
		AHRI Reference No.	202575920	202575921
		[1] AFUE	96%	96%
	High Fire	Input - Btuh	44,000	66,000
		Output - Btuh	42,000	62,000
		Temperature rise range - °F	35 - 65	50 - 80
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0
	Low Fire	Input - Btuh	29,000	43,000
		Output - Btuh	28,000	41,000
		Temperature rise range - °F	20 - 50	25 - 55
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
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.	10 x 9	10 x 9
		Motor output - hp	1/2	1/2
		Tons of add-on cooling	2 - 3	2 - 3
		Air Volume Range - cfm	500 - 1370	515 - 1330
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	7.7	7.7
		Maximum overcurrent protection	15	15
Shipping Data		lbs. - 1 package	130	138

SPECIFICATIONS

Gas Heating Performance		**Model No.**	**ML296UH090XV48C**	**ML296UH110XV60C**
		AHRI Reference No.	202575923	202735180
		[1] AFUE	96%	96%
	High Fire	Input - Btuh	88,000	110,000
		Output - Btuh	84,000	106,000
		Temperature rise range - °F	45 - 75	45 - 75
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0
	Low Fire	Input - Btuh	57,000	72,000
		Output - Btuh	55,000	70,000
		Temperature rise range - °F	30 - 60	35 - 65
		Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5
High static - in. w.g.		Heating	0.8	0.8
		Cooling	1.0	1.0
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 x 11	11 x 11
		Motor output - hp	3/4	1
		Tons of add-on cooling	2.5 - 4	3 - 5
		Air Volume Range - cfm	675 - 1765	800 - 2105
Electrical Data		Voltage	120 volts - 60 hertz - 1 phase	
		Blower motor full load amps	10.1	12.8
		Maximum overcurrent protection	15	20
Shipping Data		lbs. - 1 package	163	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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RESIDENTIAL PRODUCT CATALOG

Downflow - Two-Stage Heat - Variable Speed Blower
Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 88,000 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

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
- 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

NOTE - Furnaces Cannot Be Twinned!
NOTE - Furnaces Cannot Be Zoned!

LIMITED WARRANTY

- Heat Exchanger - Twenty-years
- All other covered components - Five years

NOTE - 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 57

Cabinet

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

Controls

- iComfort® M30 Smart Wi-Fi Thermostat

Filter Kits

- Downflow Filter Kits

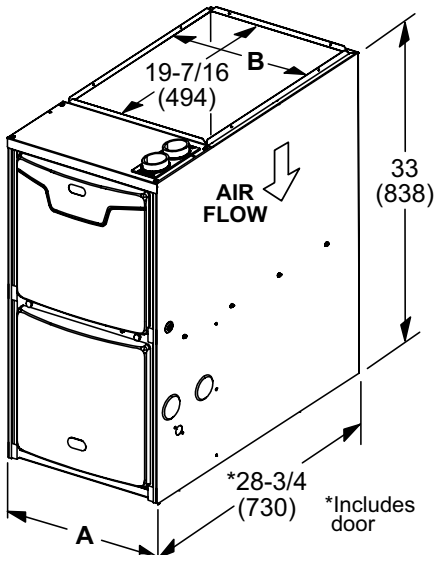
Gas Heating

- 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

			Model No.	ML296DF045XV36B	ML296DF070XV48B	ML296DF090XV60C
Gas Heating Performance			AHRI Reference No.	202575917	202575918	202575919
			[1] AFUE	96%	96%	96%
	High Fire		Input - Btuh	44,000	66,000	88,000
			Output - Btuh	43,000	64,000	85,000
			Temperature rise range - °F	35-65	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	29,000	43,000	57,000
			Output - Btuh	28,000	42,000	56,000
			Temperature rise range - °F	20 - 50	25 - 55	30 - 60
			Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	1.7 / 4.5	1.7 / 4.5	1.7 / 4.5
High static - in. w.g.			Heating	0.8	0.8	0.8
			Cooling	1.0	1.0	1.0
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 nom. diameter x width - in.	10 x 9	11 x10	11 x 11
			Motor output - hp	1/2	3/4	1.0
			Tons of add-on cooling	3	4	5
			Air Volume Range - cfm	545 - 1320	615 - 1805	835 - 1985
Electrical Data			Voltage	120 volts - 60 hertz - 1 phase		
			Blower motor full load amps	7.7	10.1	12.8
			Maximum overcurrent protection	15	20	20
Shipping Data			lbs. - 1 package	131	138	166

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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ML296UHV, ML296DFV - OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - FURNACES CANNOT BE TWINNED!

			"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Downflow Combustible Flooring Base - Downflow only			**11M60**	**11M61**
Horizontal Suspension Kit - Horizontal only			**51W10**	**51W10**
Return Air Base - Upflow only			**50W98**	**50W99**
CONDENSATE DRAIN KITS				
Condensate Drain Heat Cable		6 ft.	**26K68**	**26K68**
		24 ft.	**26K69**	**26K69**
Crawl Space Vent Drain Kit		US	**51W18**	**51W18**
		Canada	**15Z70**	**15Z70**
CONTROLS				
iComfort® M30 Smart Wi-Fi Thermostat			**15Z69**	**15Z69**
Outdoor Temperature Sensor			**X2658**	**X2658**
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)	Size of filter - in.	**87L96** - 18 x 25 x 1	**87L97** - 20 x 25 x 1
	Side Return	Single	**44J22**	**44J22**
		Ten Pack	**66K63**	**66K63**
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1
TERMINATION KITS				
See Installation Instructions for specific venting information.				
Direct Vent	Concentric	US - 2 in.	**71M80**	**69M29**
		3 in.	**- - -**	**60L46**
		Canada - 2 in.	**44W92**	**44W92**
		3 in.	**- - -**	**44W93**
	Flush-Mount	US - 2, 2-1/2 or 3 in.	**51W11**	**51W11**
		Canada - 2, 2-1/2 or 3 in.	**51W12**	**51W12**
	Wall - Close Couple	US - 2 in.	**22G44**	**- - -**
		3 in.	**44J40**	**44J40**
	Wall - Close Couple WTK	Canada - 2 in.	**30G28**	**- - -**
		3 in.	**81J20**	**81J20**
Direct or Non-Direct Vent	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**
		3 in.	**44J41**	**44J41**
VENTING				
Flue Coupling		2 in.	**17H92**	**17H92**

[1] Cleanable polyurethane, 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.

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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	Muffler (US Only)
	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	15Y66 (2-inch)
070	14A54 (upflow) 14A55 (downflow)	14A53 (upflow) 14A56 (downflow)	11K51	77W09	73W37	11K46	15Y66 (2-inch)
090	14A57 (upflow) 14A54 (downflow)	14A54	11K51	77W09	73W37	11K46	15Y66 (2-inch)
110	14A46	14A51	11K51	77W09	73W37	11K46	[1] 15Y66 (2-inch) 16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Constant Torque Blower Motor
Direct/Non-Direct Vent
AFUE - 96% - Input - 30,000 to 132,000 Btuh

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Supersedes July 2021

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 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

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for detail.

Furnace Width		"B"	"C"
A Dimension		17-1/2 (446)	21 (533)
B Dimension		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)

ACCESSORIES

- See page 37

Cabinet

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

Controls

- Blower Motor Relay Kit
- iComfort® M30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Air Filter and Rack Kits

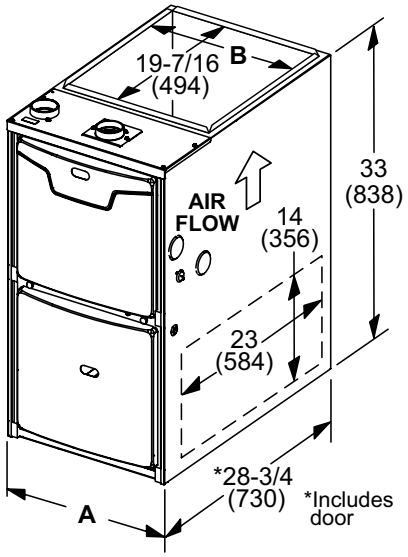
Gas Heating

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

Service Kits

- Night Service Kit

DIMENSIONS



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

	Model No.	ML196UH 030XE36B	ML196UH 045XE36B	ML196UH 070XE36B	ML196UH 070XE48B	ML196UH 090XE36C
Gas Heating Performance	[1] AFUE	96%	96%	96%	96%	96%
	Input - Btuh	30,000	44,000	66,000	66,000	88,000
	Output - Btuh	29,000	42,800	63,900	63,900	85,600
	Temperature rise range - °F	25 - 55	35 - 65	35 - 65	30 - 60	45 - 75
Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane		3.5 / 10	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	0.5
Energy Star® Certified		Yes	Yes	Yes	Yes	Yes
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				
	with field supplied (PVC coupling) - o.d.	3/4 slip x 3/4 MPT				
Indoor Blower	Wheel nom. dia. x width - in.	10 x 8	10 x 8	10 x 8	11-1/2 x 10	10 x 8
	Motor Type	DC Brushless	DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	1/2	3/4	1/2
	Tons of add-on cooling	1.5 - 3	1.5 - 3	1.5 - 3	2 - 4	1.5 - 3
	Air Volume Range - cfm	175 - 1435	520 - 1345	550 - 1380	500 - 1710	460 - 1470
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase				
	Blower motor full load amps	6.8	6.8	6.8	8.4	6.8
	Maximum overcurrent protection	15	15	15	15	15
Shipping Data	lbs. - 1 package	120	124	129	132	142

SPECIFICATIONS

	Model No.	ML196UH 090XE48C	ML196UH 090XE60C	ML196UH 110XE60C	ML196UH 135XE60D
Gas Heating Performance	[1] AFUE	96%	96%	96%	96%
	Input - Btuh	88,000	88,000	110,000	132,000
	Output - Btuh	85,600	85,600	107,200	127,000
	Temperature rise range - °F	50 - 80	35 - 65	45 - 75	45 - 75
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
Energy Star® Certified		Yes	Yes	Yes	Yes
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 nom. dia. x width - in.	10 x 10	11 x 11	11-1/2 x 10	11 x 11
	Motor Type	DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	3/4	1	1	1
	Tons of add-on cooling	2.5 - 4	3-5	3 - 5	3-5
	Air Volume Range - cfm	760 - 1740	1050 - 2105	1055 - 2220	1310 - 2400
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	8.4	10.9	10.9	10.9
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	152	152	164	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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RESIDENTIAL PRODUCT CATALOG

Downflow - Constant Torque Blower Motor
Direct/Non-Direct Vent
AFUE - 96% - Input - 44,000 to 110,000 Btuh

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Supersedes July 2021

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 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

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for detail.

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 37

Cabinet

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

Controls

- Blower Motor Relay Kit
- iComfort® M30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Downflow Filter Kits

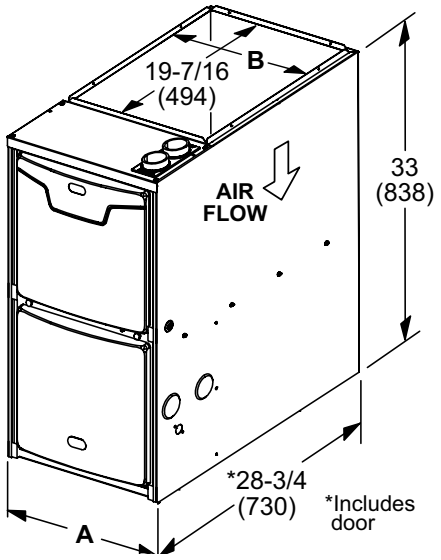
Gas Heating

- 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

	Model No.	ML196DF045XE36B	ML196DF070XE48B	ML196DF090XE48C	ML196DF110XE60C
Gas Heating Performance	[1] AFUE	96%	96%	96%	96%
	Input - Btuh	44,000	66,000	88,000	110,000
	Output - Btuh	42,000	64,000	85,000	106,000
	Temperature rise range - °F	30 - 60	35 - 65	50 - 80	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
Energy Star® Certified		Yes	Yes	Yes	Yes
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	505 - 1455	525 - 1720	860 - 1760	1010 - 3115
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	126	139	154	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.

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ML196UHE, ML196DFE - OPTIONAL ACCESSORIES

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**
CONTROLS					
Blower Motor Relay Kit (for two-stage outdoor units)			**85W66**	**85W66**	**85W66**
Twinning Panel			**Y3653**	**Y3653**	**Y3653**
Twinning Kit			**16W72**	**16W72**	**16W72**
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)	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			**84W48**	**84W48**	**84W48**
TERMINATION KITS					
See Installation Instructions for specific venting information.					
Direct Vent	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**
Direct or Non-Direct Vent	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**	**- - -**
		3 in.	**44J41**	**44J41**	**44J41**
VENTING					
Flue Coupling		2 in.	**17H92**	**17H92**	**17H92**

[1] Cleanable polyurethane 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.

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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	Muffler (US Only)
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.	15Y66 (2-inch)
030	11U65	11U66	17H63	N/A	14C90	17H66	15Y66 (2-inch)
045	11U65	11U66	11K49	73W81	73W37	11K44	15Y66 (2-inch)
070	11U70	11U68	11K49	73W81	73W37	11K44	15Y66 (2-inch)
090	11U70 (UH) 11U71 (DF)	11U64 (UH) 11U68 (DF)	11K49	73W81	73W37	11K44	15Y66 (2-inch)
110	11U71 (UH) 11U70 (DF)	11U64 (UH) 11U68 (DF)	11K49	73W81	73W37	11K44	[1] 15Y66 (2-inch) 16A56 (3-inch)
135	11U70	11U68	11K49	73W82	73W37	11K44	16A56 (3-inch)

[1] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Direct/Non-Direct Vent
Constant Torque Blower Motor - AFUE - 93%
Input - 30,000 to 110,000 Btuh

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January 2022
Supersedes July 2021

FEATURES

Heating System

- Lennox Duralok Plus™ Aluminized Steel Heat Exchanger Assembly
- Aluminized Steel Inshot Burners
- Gas Control Valve with 100% Safety Shutoff
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- 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/Horizontal applications
- Pre-painted 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

NOTE - 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 return	Width	16 (406)	19-1/2 (495)
	Depth	23-1/2 (597)	23-1/2 (597)

ACCESSORIES

- See page 69

Cabinet

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

Controls

- Blower Relay Kit
- iComfort® M30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Air Filter and Rack Kits

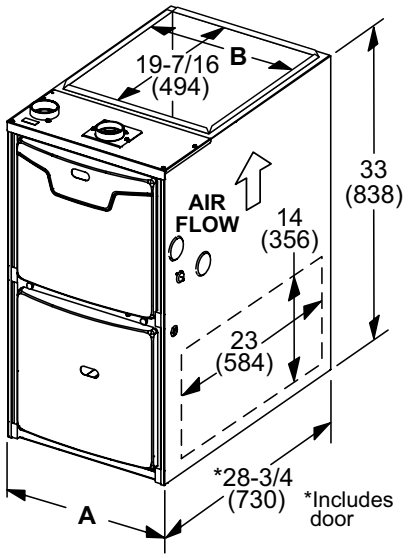
Gas Heating

- 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

	Model No.	ML193UH030XE36B	ML193UH045XE36B	ML193UH070XE36B	ML193UH090XE36C
Gas Heating Performance	AHRI Reference No.	20256877	20256878	20256879	20256880
	[1] AFUE	93%	93%	93%	93%
	Input - Btuh	30,000	44,000	66,000	88,000
	Output - Btuh	29,000	42,000	63,000	84,000
	Temperature rise range - °F	25 - 55	30 - 60	40 - 70	50 - 80
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10	3.5 / 10.0	3.5 / 10.0	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	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	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3
	Air Volume Range - cfm	175 - 1435	355 - 1420	355 - 1430	405 - 1410
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	128	128	132	146

SPECIFICATIONS

	Model No.	ML193UH090XE48C	ML193UH110XE48C	ML193UH110XE60C
Gas Heating Performance	AHRI Reference No.	20256881	20256882	20256883
	[1] AFUE	93%	93%	93%
	Input - Btuh	88,000	110,000	110,000
	Output - Btuh	84,000	104,000	105,000
	Temperature rise range - °F	45 - 75	50 - 80	45 - 75
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10	3.5 / 10
	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 nom. dia. x width - in.	10 x 10	10 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	3/4	3/4	1
	Tons of add-on cooling	2.5 - 4	2.5 - 4	3 - 5
	Air Volume Range - cfm	830 - 1710	850 - 1750	1085 - 2150
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	8.4	8.4	10.9
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	150	162	168

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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RESIDENTIAL PRODUCT CATALOG

Downflow - Direct/Non-Direct Vent
Constant Torque Blower Motor - AFUE - 93%
Input - 44,000 to 88,000 Btuh

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Supersedes July 2021

FEATURES

Heating System

- Lennox Duralok Plus™ 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
- 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

NOTE - 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 69

Cabinet

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

Controls

- Blower Relay Kit
- iComfort® M30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Downflow Filter Kits

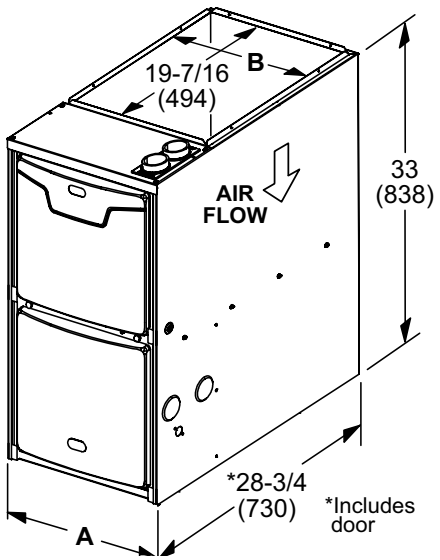
Gas Heating

- 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.	ML193DF045XE36B	ML193DF070XE36B	ML193DF090XE48C
Gas Heating Performance	AHRI Reference No.	20556884	20556885	20556886
	[1] AFUE	93%	93%	93%
	Input - Btuh	44,000	66,000	88,000
	Output - Btuh	42,000	63,000	84,000
	Temperature rise range - °F	30 - 60	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
	High static - in. w.g.	0.50	0.50	0.50
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 nom. dia. x width - in.	10 x 8	10 x 8	10 x 10
	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	335 - 1430	340 - 1415	825 - 1720
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	130	134	152

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

			"B" Width Models	"C" Width Models
CABINET ACCESSORIES				
Downflow Combustible Flooring Base			**11M60**	**11M61**
Horizontal Suspension Kit - Horizontal only			**51W10**	**51W10**
Return Air Base - Upflow only			**50W98**	**50W99**
High Performance Economizer (Commercial Only)			**10U53**	**10U53**
CONDENSATE DRAIN KITS				
Condensate Drain Heat Cable		6 ft.	**26K68**	**26K68**
		24 ft.	**26K69**	**26K69**
Crawl Space Vent Drain Kit		US	**51W18**	**51W18**
		Canada	**15Z70**	**15Z70**
CONTROLS				
Blower Relay Kit (for two-stage outdoor units)			**85W66**	**85W66**
iComfort® M30 Smart Wi-Fi Thermostat			**15Z69**	**15Z69**
Outdoor Temperature Sensor			**X2658**	**X2658**
Twinning Panel			**Y3653**	**Y3653**
Twinning Kit			**16W72**	**16W72**
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)	Size of filter - in.	**87L96** - 18 x 25 x 1	**87L97** - 20 x 25 x 1
	Side Return	Single	**44J22**	**44J22**
		Ten Pack	**66K63**	**66K63**
		Size of filter - in.	16 x 25 x 1	16 x 25 x 1
NIGHT SERVICE KIT				
Night Service Kit			**84W48**	**84W48**
TERMINATION KITS				
See Installation Instructions for specific venting information.				
Direct Vent	Concentric	US - 2 in.	**71M80**	**69M29**
		3 in.	**- - -**	**60L46**
		Canada - 2 in.	**44W92**	**44W92**
		3 in.	**- - -**	**44W93**
	Flush-Mount	US - 2, 2-1/2 or 3 in.	**51W11**	**51W11**
		Canada - 2, 2-1/2 or 3 in.	**51W12**	**51W12**
	Wall - Close Couple	US - 2 in.	**22G44**	**- - -**
		3 in.	**44J40**	**44J40**
	Wall - Close Couple WTK	Canada - 2 in.	**30G28**	**- - -**
		3 in.	**81J20**	**81J20**
Direct or Non-Direct Vent	Roof Termination Flashing Kit, (no vent pipe - 2 flashings)	2 in.	**15F75**	**15F75**
		3 in.	**44J41**	**44J41**
VENTING				
Flue Coupling		2 in.	**17H92**	**17H92**

[1] Cleanable polyurethane 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.

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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	Muffler (US Only)
	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	0 - 7500 ft.	7501 - 10,000 ft.	7501 - 10,000 ft.	
030	11U65	11U66	17H63	N/A	14C90	17H66	15Y66 (2-inch)
045	11U65	11U66	11K49	73W81	73W37	11K44	15Y66 (2-inch)
070	11U65	11U66	11K49	73W81	73W37	11K44	15Y66 (2-inch)
090	11U65	11U66	11K49	73W81	73W37	11K44	15Y66 (2-inch)
110	11U65	11U66	11K49	73W81	73W37	11K44	[2] 15Y66 (2-inch) 16A56 (3-inch)

[2] Two-inch diameter muffler (**15Y66**) is optional for 110 input model with a maximum vent pipe length of up to 29 ft.
Three-inch diameter muffler (**16A56**) is optional for 110 input model with a minimum vent pipe length of 30 ft.

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Variable Speed Blower
AFUE - 80%
Input - 30,000 to 110,000 Btuh
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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

Variable-Speed Blower Motor

- High efficiency, variable speed ECM (Electronically Commutated Motor)
- Maintains specified air volume from 0 though 0.80 in. w.g. (heating) and 0 through 1.0 in. w.g. (Cooling) static range

Variable Speed Direct Drive Blower

- Each blower assembly is statically and dynamically balanced

Cabinet

- Upflow/Horizontal applications
- Pre-painted 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

NOTE - Not Available In Canada!
NOTE - Furnaces Cannot Be Twinned!

ACCESSORIES

- See page 73

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- iComfort® M30 Smart Wi-Fi 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

Venting

- Vent Adaptor (Upflow Applications Only)

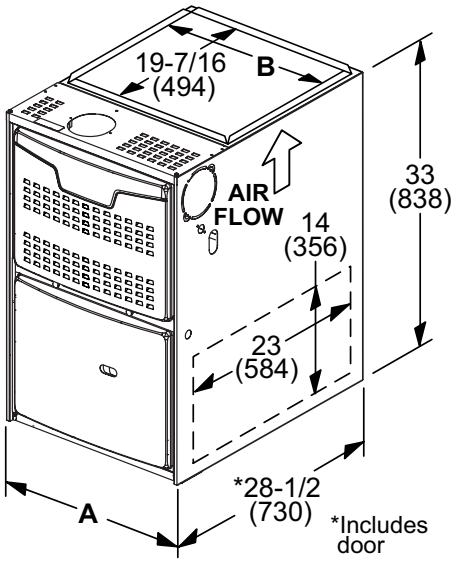
LIMITED WARRANTY

- Heat Exchanger - Twenty years
- All other covered components - Five years

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

DIMENSIONS

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 return Width	13 (330)	16 (406)	19-1/2 (495)
Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)



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SPECIFICATIONS

	Model No.	ML180UH030V36A	ML180UH045V36A	ML180UH070V36A	ML180UH070V36B
Gas Heating Performance	[1] AFUE	80%	80%	80%	80%
	Input - Btuh	30,000	44,000	66,000	66,000
	Output - Btuh	24,430	36,100	53,400	53,400
	Temperature rise range - °F	25 - 55	15 - 45	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.		0.80	0.80	0.80	0.80
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 7	10 x 7	10 x 7	10 x 8
	Motor output - hp	1/2	1/2	1/2	1/2
	Tons of add-on cooling	1.5 - 3	1.5 - 3	1.5 - 3	1.5 - 3
	Air Volume Range - cfm	380 - 1320	380 - 1320	400 - 1345	370 - 1290
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	7.7	7.7	7.7	7.7
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	111	111	126	127

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

	Model No.	ML180UH070V48B	ML180UH090V48B	ML180UH110V60C
Gas Heating Performance	[1] AFUE	80%	80%	80%
	Input - Btuh	66,000	88,000	110,000
	Output - Btuh	53,400	71,500	89,700
	Temperature rise range - °F	30 - 60	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
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 9	11-1/2 x 9	11-1/2 x 10
	Motor output - hp	3/4	3/4	1
	Tons of add-on cooling	2.5 - 4	2.5 - 4	3 - 5
	Air Volume Range - cfm	430 - 1850	650 - 1740	930 - 2180
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	8.5	8.5	11.5
	Maximum overcurrent protection	15	15	20
Shipping Data	lbs. - 1 package	129	141	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 Models	"B" Width Models	"C" Width Models
CABINET ACCESSORIES					
Horizontal Suspension Kit - Horizontal only			**51W10**	**51W10**	**51W10**
Return Air Base - Upflow only			**65W75**	**50W98**	**50W99**
High Performance Economizer (Commercial Only)			**10U53**	**10U53**	**10U53**
CONTROLS					
iComfort® M30 Smart Wi-Fi Thermostat			**15Z69**	**15Z69**	**15Z69**
Outdoor Temperature Sensor			**X2658**	**X2658**	**X2658**
FILTERS					
[1] **Air Filter and Rack Kit**	Horizontal (end)		**87L95**	**87L96**	**87L97**
		Size of filter - in.	14 x 25 x 1	18 x 25 x 1	20 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
NIGHT SERVICE KITS					
Night Service Kit			**19H89**	**19H89**	**19H89**
VENTING					
Vent Adaptor – 6 in. conn. size upflow applications only			**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
	0 - 4500 ft.	4501 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.	0 - 7500 ft.	7501 - 10,000 ft.
030	**No Change**	**80W52**	**80W51**	**19D59**	**19H30**	**N/A**	**14C90**
045	**No Change**	**80W52**	**80W51**	**19D58**	**19H29**	**77W09**	**73W37**
070	**No Change**	**80W52**	**80W51**	**19D58**	**19H29**	**77W09**	**73W37**
090	**No Change**	**80W52**	**80W51**	**19D58**	**19H29**	**77W09**	**73W37**
110	**No Change**	**80W57**	**80W52**	**19D58**	**19H29**	**77W09**	**73W37**

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RESIDENTIAL PRODUCT CATALOG

Upflow/Horizontal - Constant Torque Blower Motor
AFUE - 80%
Input - 44,000 to 132,000 Btuh
Page 75
January 2022
Supersedes July 2021

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 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

NOTE - 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 return	Width	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)

NOTE - Not Available In Canada!

ACCESSORIES

- See page 79

Cabinet

- Horizontal Suspension Kit
- Return Air Base

Controls

- Blower Motor Relay Kit
- iComfort® M30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filter Kits

- Air Filter and Rack Kits

Gas Heating

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

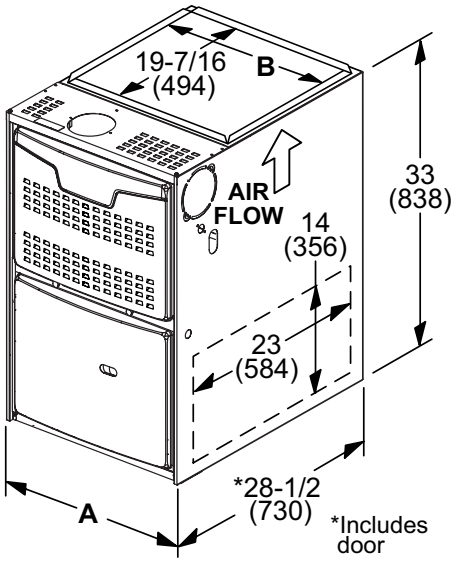
Service Kits

- Night Service Kit

Venting

- Vent Adaptor (Upflow Applications Only)

DIMENSIONS



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SPECIFICATIONS

Gas Heating Performance	**Model No.**	**ML180UH045E36A**	**ML180UH070E36A**	**ML180UH070E36B**	**ML180UH090E48B**
	Model No. - Low Nox	**ML180UH045XE36A**	**ML180UH070XE36A**	**ML180UH070XE36B**	**ML180UH090XE48B**
	[1] AFUE	80%	80%	80%	80%
	Input - Btuh	44,000	66,000	66,000	88,000
	Output - Btuh	36,000	53,000	53,000	72,000
	Temperature rise range - °F	15 - 45	40 - 70	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	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	10 x 10
	Motor Type	DC Brushless	DC Brushless	DC Brushless	DC Brushless
	Motor output - hp	1/2	1/2	1/2	3/4
	Tons of add-on cooling	1.5 - 3	1.5 - 3	1.5 - 3	2.5 - 4
	Air Volume Range - cfm	350 - 1380	625 - 1435	395 - 1415	750 - 1785
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase			
	Blower motor full load amps	6.8	6.8	6.8	8.4
	Maximum overcurrent protection	15	15	15	15
Shipping Data	lbs. - 1 package	111	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.) 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 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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RESIDENTIAL PRODUCT CATALOG

Downflow - Constant Torque Blower Motor
AFUE - 80%
Input - 44,000 to 110,000 Btuh
Page 77
January 2022
Supersedes July 2021

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 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

NOTE - Not Available In Canada!

ACCESSORIES

- See page 79

Cabinet

- Downflow Combustible Flooring Base

Controls

- Blower Motor Relay Kit
- iComfort® M30 Smart Wi-Fi Thermostat
- Twinning Panel/Twinning Kit

Filters

- Downflow Filter Kits

Gas Heating

- Gas Conversion Kits
- High Altitude Pressure Switch Kits

Service Kits

- Night Service Kit

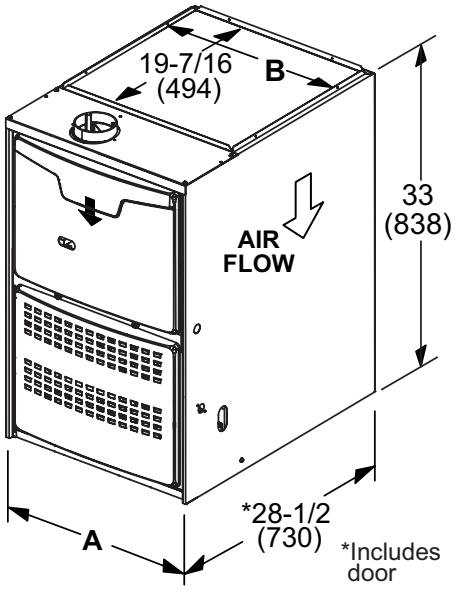
LIMITED WARRANTY

- Heat Exchanger - Twenty years
- All other covered components - Five years

NOTE - 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 return	Width	13 (330)	16 (406)	19-1/2 (495)
	Depth	23-1/2 (597)	23-1/2 (597)	23-1/2 (597)

DIMENSIONS



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SPECIFICATIONS

	Model No.	ML180DF045E36A	ML180DF070E36A	ML180DF070E36B
Gas Heating Performance	[1] AFUE	80%	80%	80%
	Input - Btuh	44,000	66,000	66,000
	Output - Btuh	36,000	54,000	54,000
	Temperature rise range - °F	15 - 45	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
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	1/2
	Tons of add-on cooling	1.5 - 3	1.5 - 3	1.5 - 3
	Air Volume Range - cfm	355 - 1430	675 - 1460	430 - 1475
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase		
	Blower motor full load amps	6.8	6.8	6.8
	Maximum overcurrent protection	15	15	15
Shipping Data	lbs. - 1 package	113	119	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

	Model No.	ML180DF090E48B	ML180DF110E60C
Gas Heating Performance	[1] AFUE	80%	80%
	Input - Btuh	88,000	110,000
	Output - Btuh	72,000	90,000
	Temperature rise range - °F	30 - 60	30 - 60
	Gas Manifold Pressure (in. w.g.) Nat. Gas / LPG/Propane	3.5 / 10.0	3.5 / 10.0
High Static - in. w.g.		0.50	0.50
Connections in.	Flue connection - in. round	4	4
	Gas pipe size IPS	1/2	1/2
Indoor Blower	Wheel nom. dia. x width - in.	10 x 10	11-1/2 x 10
	Motor Type	DC Brushless	DC Brushless
	Motor output - hp	3/4	1
	Tons of add-on cooling	2.5 - 4	3 - 5
	Air Volume Range - cfm	680 - 1750	990 - 2410
Electrical Data	Voltage	120 volts - 60 hertz - 1 phase	
	Blower motor full load amps	8.4	10.9
	Maximum overcurrent protection	15	15
Shipping Data	lbs. - 1 package	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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ML180UHE, ML180DFE - OPTIONAL ACCESSORIES

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**
CONTROLS					
Blower Motor Relay Kit (for two-stage outdoor units)		**85W66**	**85W66**	**85W66**	**85W66**
Twinning Panel		**Y3653**	**Y3653**	**Y3653**	**Y3653**
Twinning Kit		**16W72**	**16W72**	**16W72**	**16W72**
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 Single	**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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LF25-030-105

RESIDENTIAL PRODUCT CATALOG

Horizontal, Low Profile, Gas-Fired Unit Heaters
Steady State Efficiency - Up to 81.0%
Input - 30,000 to 105,000 Btuh

January 2022
Supersedes July 2021

FEATURES

Heating System

- Tubular Aluminized Steel Tubular Heat Exchanger
- Aluminized Steel Inshot Burners
- 24 volt Gas Control Valve with 100% Safety Shutoff
- Combustion Air Inducer
- Pressure Switch
- Limit Control
- Flame Rollout Switch

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 Pre-Painted Cold Rolled Steel
- Insulated Cabinet
- Adjustable Louvers
- Wiring Junction Box
- Terminal strip
- Hanging Brackets

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

ACCESSORIES

- See page 3

Controls

- Thermostat
- Remote Diagnostic LED Kit

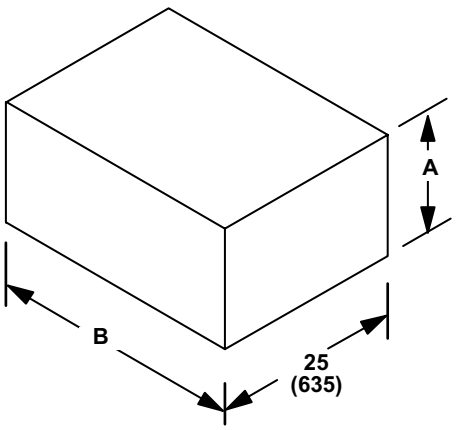
Gas Heating

- LPG/Propane Conversion Kit
- High Altitude Conversion Kits
- High Altitude Pressure Switch Kit

Venting

- Horizontal Vent Kits
- Vent Adaptor
- Vent Adaptor Kits (retrofit)

Model No.	LF25-030A LF25-045A	LF25-060A LF25-075A	LF25-090A LF25-105A
A (overall)	13-3/8 (340)	18-1/2 (470)	24 (610)
B (overall)	26-1/2 (673)	26-1/4 (667)	28-7/8 (733)



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SPECIFICATIONS

	Model No.	LF25-30A	LF25-45A	LF25-60A	LF25-75A	LF25-90A	LF25-105A
Gas Heating Performance	Heating Capacity Input Btuh	30,000	45,000	60,000	75,000	90,000	105,000
	Heating Capacity Output Btuh - Natural	25,020	37,665	50,220	62,550	75,420	87,675
	Steady State Efficiency - Natural	83.4%	83.7%	83.7%	83.4%	83.8%	83.5%
	Temperature rise - °F	37	52	47	65	43	59
Connections in.	Flue size (round)	4	4	4	4	4	4
	Gas Piping Size - in.	1/2	1/2	1/2	1/2	1/2	1/2
Fan Data	Number of fans	1	1	1	1	1	1
	Fan Diameter - in.	10	10	14	14	16	16
	Number of blades	4	4	4	4	4	4
	Motor Output - hp	1/25	1/25	1/15	1/15	1/10	1/10
	rpm	1550	1550	1075	1075	1075	1075
	Air Volume - cfm	625	665	1000	1200	1600	1500
	Air throw at 8 ft. mounting height - ft.	27	29	34	41	46	43
Weight Data	Net Weight - lbs. (kg)	55 (25)	60 (27)	85 (39)	90 (41)	115 (52)	120 (54)
	Shipping Weight - lbs. (kg)	60 (27)	65 (29)	90 (41)	95 (43)	120 (54)	125 (57)

ELECTRICAL DATA

Voltage	115 volts - 60 hertz - 1 phase					
Fan motor full load amps	2.0	2.0	2.0	2.0	3.0	3.0
Maximum overcurrent protection (MOCP)	15	15	15	15	15	15

OPTIONAL ACCESSORIES - MUST BE ORDERED SEPARATELY

Remote Diagnostic LED Kit	**22C99**	**22C99**	**22C99**	**22C99**	**22C99**	**22C99**

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OPTIONAL ACCESSORIES - GAS HEAT

NATURAL GAS TO LPG/PROPANE CONVERSION KITS

US		CANADA	
0 - 5000 ft.	**18L11**	0 - 7500 ft.	**18L11**
5001- 8000 ft.	**19A10**	7501- 9500 ft.	**19A12**
8001 - 10,000 ft.	**19A11**		

HIGH ALTITUDE CONVERSION KITS - NATURAL GAS

US		CANADA	
5001 - 7000 ft.	**19A17**	7501 - 9500 ft.	**19A17**
7001 - 10,000 ft.	**19A18**		

HIGH ALTITUDE PRESSURE SWITCH KITS

Model No.	LF25-30A	LF25-45A	LF25-60A	LF25-75A	Model No.	LF25-90A	LF25-105A
0-3000 ft.	Factory	Factory	Factory	Factory	0-2000 ft.	Factory	Factory
3000-5000 ft.	Factory	Factory	Factory	**22K44**	2001-4000 ft.	**22K44**	Factory
5001-6000 ft.	Factory	Factory	**22L26**	**22K44**	4001-6000 ft.	**22L26**	**22K44**
6001-9000 ft.	**22L27**	**22L27**	**22L26**	**22L27**	6001-7000 ft.	**22L27**	**22K44**
9001-10,000 ft.	**22L27**	**22L27**	**22L28**	**22L27**	7001-10,000 ft.	**22L27**	**22L27**

HORIZONTAL VENT KITS AND ELBOWS

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.)
LF25-30A, LF25-45A LF25-60A, LF25-75A LF25-90A, LF25-105A	4	**75W63**	**75W67**	**87W80 (Optional)**	**75W71 (Optional)**	5

[1] Length does not include termination (or elbow if used).

STRAIGHT VENT PIPE - FOR HORIZONTAL VENTING

Unit Heater	Vent Diameter (in.)	Length (in.)	Catalog No.
LF25-30A, LF25-45A LF25-60A, LF25-75A LF25-90A, LF25-105A	4	6	**75W77**
	4	12	**75W78**
	4	36	**75W79**

VENT ADAPTOR KITS (FOR RETRO-FIT INSTALLATIONS)

Unit Heater	Description	Catalog No.
LF25-45A	Combustion Air Inducer Mounting Plate Kit (required for 4 inch to 3 inch vent pipe applications)	**19U97**
LF25-30A LF25-45A	Vent Adaptor Kit (Upslope) - 4 inch unit flue pipe to 3 inch Category III vent pipe	**19V95**
	Vent Adaptor Kit (Downslope) - 4 inch unit flue pipe to 3 inch Category III vent pipe	**19V96**

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SLO185UFV

DAVE LENNOX *SIGNATURE*® COLLECTION

RESIDENTIAL PRODUCT CATALOG

Upflow - Variable Speed Blower - SilentComfort™ Technology
AFUE - Up to 87%
Input - 79,000 to 141,000 Btuh

January 2022
Supersedes July 2021

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 finish
- Heating section insulated with foil faced insulation
- Insulated blower compartment
- Top or Side Flue Pipe Connection

LIMITED WARRANTY

- Heat Exchanger - Lifetime
- All other covered components - Ten years

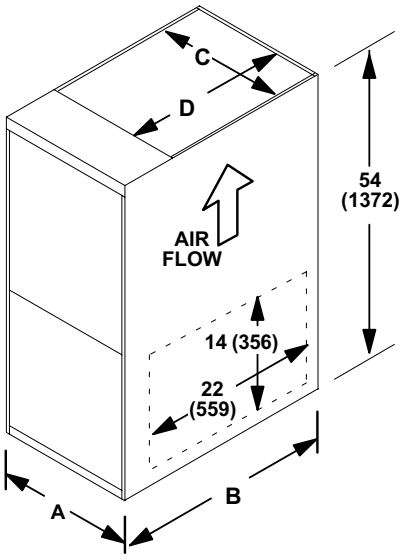
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

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

ACCESSORIES

- Oil Filter
- Two-Stage Oil Pump
- Thermostat
- Air Intake Kit

DIMENSIONS



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SPECIFICATIONS

			SLO185UF79/105V42	SLO185UF124/141V60
Oil Heating Performance	**Model Number**			
	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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RESIDENTIAL PRODUCT CATALOG

Lo-Boy - Variable Speed Blower - SilentComfort™ Technology
AFUE - Up to 87%
Input - 79,000 to 141,000 Btuh

January 2022
Supersedes July 2021

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 finish
- Heating section insulated with foil faced insulation
- Insulated Blower Compartment
- Top or Side Flue Pipe Connection

Air Filters

- Large, cleanable frame-type filter

LIMITED WARRANTY

- Heat Exchanger - Lifetime
- All other covered components - Ten years

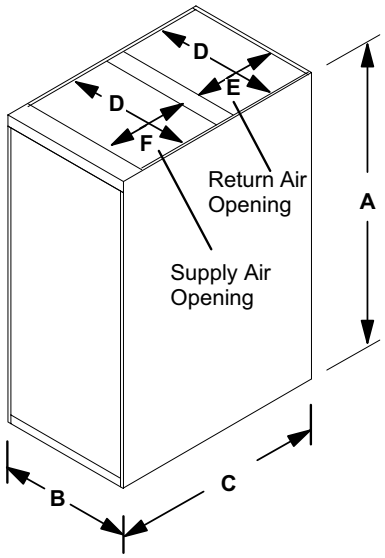
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

ACCESSORIES

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

DIMENSIONS

	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)



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SPECIFICATIONS

	Model Number	Front Flue / Rear Flue	SLO185BF79/105V42 SLO185BR79/105V42	SLO185BF124/141V60 SLO185BR124/141V60
Oil Heating Performance	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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RESIDENTIAL PRODUCT CATALOG

Upflow
AFUE - Up to 84%
Input - 68,000 to 154,000 Btuh
Page 5
January 2022
Supersedes July 2021

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 finish
- Heating section insulated with foil faced insulation
- Insulated blower compartment
- Top or Side Flue Pipe Connection

LIMITED WARRANTY

- Heat Exchanger - Lifetime
- All other covered components - Five years

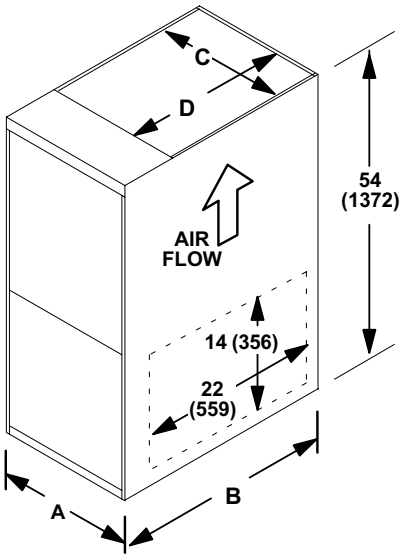
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

ACCESSORIES

- Oil Filter
- Two-Stage Oil Pump
- Thermostat

DIMENSIONS

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



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SPECIFICATIONS

			ELO183UF68/86P36	ELO183UF101/114P48	ELO183UF135/150P60
Oil Heating Performance	Model Number				
	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	3/4
		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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RESIDENTIAL PRODUCT CATALOG

Lo-Boy
AFUE - 83%
Input - 101,000 to 154,000 Btuh
Page 7
January 2022
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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 finish
- Heating section insulated with foil faced insulation
- Insulated Blower Compartment
- Top or Side Flue Pipe Connection

Air Filters

- Large, cleanable frame-type filter

LIMITED WARRANTY

- Heat Exchanger - Lifetime
- All other covered components - Five years

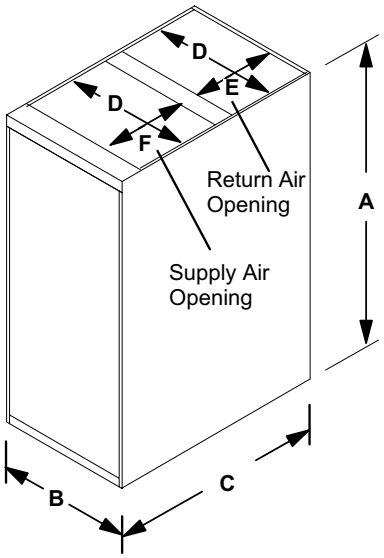
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

ACCESSORIES

- Oil Filter
- Two-Stage Oil Pump
- Thermostat

DIMENSIONS

	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)



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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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RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

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

LIMITED WARRANTY

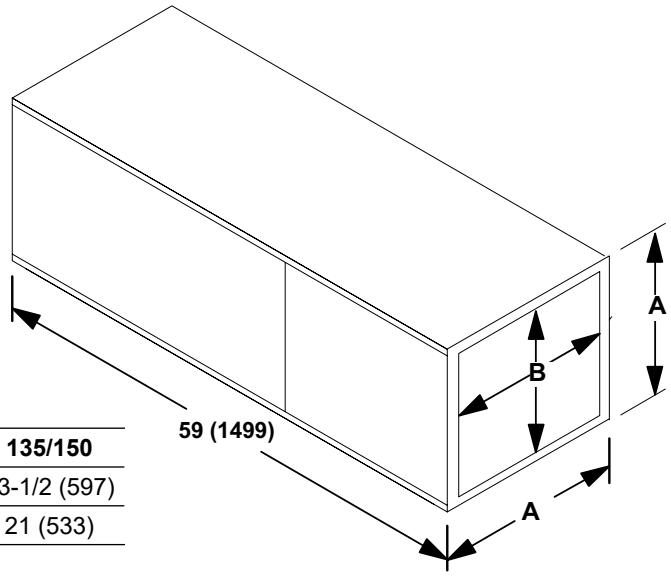
- Heat Exchanger - Lifetime
- All other covered components - Five years

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

ACCESSORIES

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

DIMENSIONS



Model No.	101/114	135/150
A	20-1/2 (521)	23-1/2 (597)
B	18 (457)	21 (533)

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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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RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

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
- Baked-on enamel finish
- Wall Hanging Support Bracket

LIMITED WARRANTY

- Cast Aluminum Boiler Assembly - Fifteen years
- All other covered components - Ten years

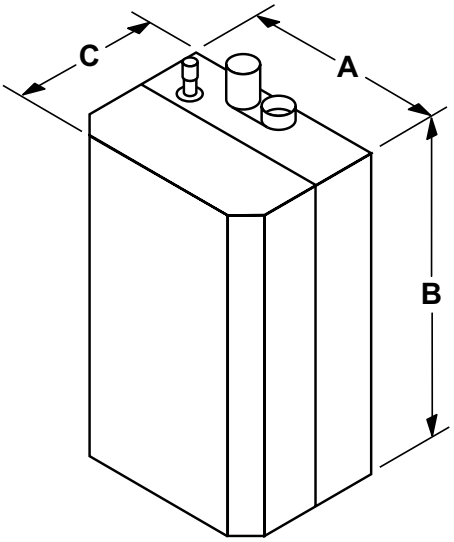
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

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

ACCESSORIES

- Concentric Vent Termination Kits
- High Altitude Control Module
- Multi-Boiler Sensor Kit
- See page 17 for Listing of Common Boiler Accessories

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 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

[1] 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 AHRI 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.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - See page 17 for Listing of Common Boiler Accessories

	Model No.	GWM-050IE	GWM-075IE	GWM-100IE	GWM-150IE	GWM-200IE
CONTROLS						
High Altitude Control Module (2000-4500 ft.)		**12Y86**	**12Y86**	**12Y86**	**12Y86**	**12Y86**
Multi-Boiler Sensor Kit (up to 16 boilers)		**Y5401**	**Y5401**	**Y5401**	**Y5401**	**Y5401**
VENTING						
Concentric Vent Termination Kits	US - 2 inch	**69M29**	**69M29**	**69M29**	- - -	- - -
	3 inch	- - -	**60L46**	**60L46**	**60L46**	**60L46**
	Canada - 2 inch	**44W92**	**44W92**	**44W92**	- - -	- - -
	3 inch	- - -	**44W93**	**44W93**	**44W93**	**44W93**

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

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GCWB95

RESIDENTIAL PRODUCT CATALOG

Gas-Fired Condensing Combination Water Boiler
AFUE - 95%
Domestic Hot Water Heating Input - 153,000 to 205,000 Btuh
Space Heating Input - 125,000 to 164,000 Btuh

January 2022
Supersedes July 2021

FEATURES

Heating System

- Stainless Steel Heat Exchanger
- Coaxial Flue Connector
- Direct Spark Igniter
- Natural gas or LPG/Propane (no conversion kit required)
- Variable SpeedInduced Draft Blower
- Differential Pressure Air Proving Switch/Blocked Vent Safety Shutoff
- Safety Pressure Relief Valve/Air Vent
- Pressure Switch (150 models only)
- Air/Gas Blend Manifold
- Combination Temperature/Pressure Gauge
- Load Matching Boiler Pump
- 3-Way Diverter Valve
- Vent Temperature Sensor
- Brass Drain Valve (wall mount models)
- Condensate Trap

Controls

- Digital Boiler Control (self commisioning)
- Flame Sensor
- Domestic Hot Water Flow Restrictor
- Low Water Pressure Cutoff Switch
- Water Safety Thermostat
- Return Water Sensor
- Three-Prong Appliance Cord (Wall Hung models)
- Terminal Blocks

Cabinet

- Heavy-gauge steel
- Baked-on enamel paint finish
- Wall Hanging Support Bracket (wall hung models)
- Wiring Junction Box (floor mount model)

LIMITED WARRANTY

- Heat Exchanger - Fifteen years
- All other covered components - Ten years

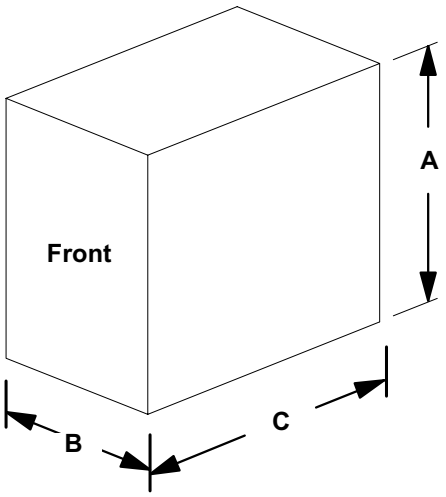
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

ACCESSORIES

- Outdoor Air Temperature Sensor
- Termination Kits and Piping
- See page 17 for Listing of Common Boiler Accessories

DIMENSIONS

Model No	A	B	C
GCWB95W-150	30 (762)	17-3/4 (451)	14-1/2 (362)
GCWB95F-150	40-1/4 (1022)	20-1/2 (521)	17-1/2 (445)
GCWB95W-205	30 (762)	17-3/4 (451)	21-1/2 (54)



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SPECIFICATIONS

		Model No.	GCWB95W-150	GCWB95F-150	GCWB95W-205
		Mounting Type	**Wall**	**Floor**	**Wall**
Domestic Hot Water Mode	Heating capacity input	Btuh (Maximum)	153,000	153,000	205,000
		Btuh (Minimum)	22,000	22,000	29,500
	Flow Rate (Min./Max.) @ 70°F temperature rise - GPM		0.5 / 3.5	0.5 / 3.5	0.5 / 5.0
Space Heating Mode	Heating capacity input	Btuh (Maximum)	125,000	125,000	164,000
		Btuh (Minimum)	22,000	22,000	29,500
		Heating capacity output - Btuh	113,000	113,000	153,000
		[1] Net AHRI rating - Btuh	98,000	98,000	133,000
		[2] AFUE	95%	95%	95%
Connections in.		Coaxial flue size diameter (outside/inside)	4 / 2	4 / 2	5 / 3
		Gas piping size (NPT female)	3/4	3/4	3/4
		Water supply and return size (sweat)	1-1/4	1-1/4	1-1/4
		Domestic hot water inlet/outlet	1/2 sweat	1/2 sweat	3/4 NPT
		Drain connection size	13/16 CPVC Female	3/4 Female NPT	3/4 Female NPT
		Boiler filling connection	External	External	External
Primary boiler volume		Gallons	1	1	1-1/4
Electrical characteristics			120 volts - 60 hertz - 1 phase (less than 12 amps)		
Shipping Data		lbs. - 1 package	103	106	125

[1] Net AHRI ratings indicate the amount of heat each boiler will produce under normal conditions and thermostatic control. AHRI water ratings are based on an allowance of 1.15 in accordance with the factors shown in the Operations Manual of the AHRI Residential Boilers Certification Program.
Selection of boiler size should be based on "Net AHRI 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 US DOE test procedures and FTC labeling regulations.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - See page 17 for Listing of Common Boiler Accessories

Model No.	GCWB95F-150 GCWB95W-150	GCWB95W-205
CONTROLS		
Outdoor Air Temperature Sensor	**21A27**	**21A27**
TERMINATION KITS AND PIPING		
NOTE - See Installation Instructions for specific venting information.		
Coaxial Termination - Vertical	**20X41**	**20X42**
Coaxial Termination - Horizontal	**20X43**	**20X44**
Coaxial Pipe - 3 ft.	**20X45**	**20X47**
Coaxial Elbow 45°	**20X50**	**20X51**
Coaxial Elbow 90°	**20X48**	**20X49**
2-Pipe Polypropylene Vent Adaptors	**20X52**	**20X53**
Vent Clamp - 3-1/2 in. (5-pack)	**20X56**	**20X56**
2-Pipe CPVC Vent Adaptors	**20X54**	**20X55**
DuraVent® PolyPro® Pipe - 3-in. dia X 3 ft.	**20Y20**	**20Y20**
DuraVent® PolyPro® 45° Elbow	**20Y24**	**20Y24**
DuraVent® PolyPro® 90° Elbow	**20Y23**	**20Y23**

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RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

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
- Baked-on enamel finish

LIMITED WARRANTY

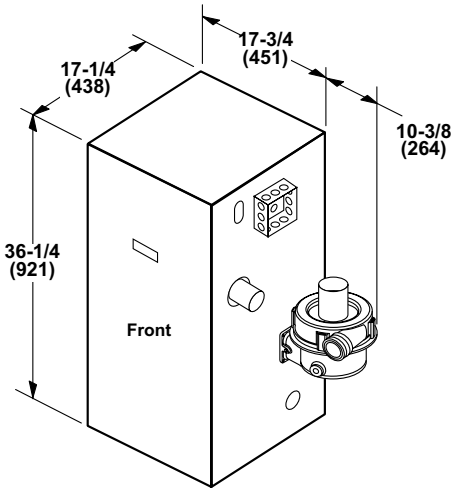
- Cast Aluminum Boiler Assembly - Fifteen years
- All other covered components - Ten years

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

ACCESSORIES

- Concentric Vent Termination Kit
- Natural Gas to LPG/Propane Conversion Kit
- LPG/Propane to Natural Gas Conversion Kit
- See page 17 for Listing of Common Boiler Accessories

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 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

[1] 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 AHRI 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.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - See page 17 for Listing of Common Boiler Accessories

	Model No.	GWB9-050IH-3	GWB9-075IH-3	GWB9-100IH-3
VENTING				
Concentric Vent Termination Kits	US - 2 inch	**69M29**	**69M29**	**69M29**
	3 inch	**60L46**	**60L46**	**60L46**
	Canada - 2 inch	**44W92**	**44W92**	**44W92**
	3 inch	**44W93**	**44W93**	**44W93**
Natural to LPG/Propane Conversion Kits	0 - 10,000 ft.	**75E01**	**- - -**	**10T27**
	0 - 5000 ft.	**- - -**	**70E01**	**- - -**
	5001 - 10,000 ft.	**- - -**	**77E01**	**- - -**
LPG/Propane to Natural Conversion Kits	0 - 10,000 ft.	**21U80**	**21U81**	**21U82**

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

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GWB84-IE

RESIDENTIAL PRODUCT CATALOG

Gas-Fired - Water Boiler
AFUE - Up to 84.4%
Input - 42,500 to 187,500 Btuh

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January 2022
Supersedes July 2021

FEATURES

Heating System

- Cast Iron Heat Exchanger
- 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
- Baked-on enamel finish
- Fully insulated with fiberglass insulation

ACCESSORIES

- Combustible Floor Base
- Natural Gas to LPG/Propane Conversion Kit
- LPG/Propane to Natural Gas Conversion Kits
- See page 17 for Listing of Common Boiler Accessories

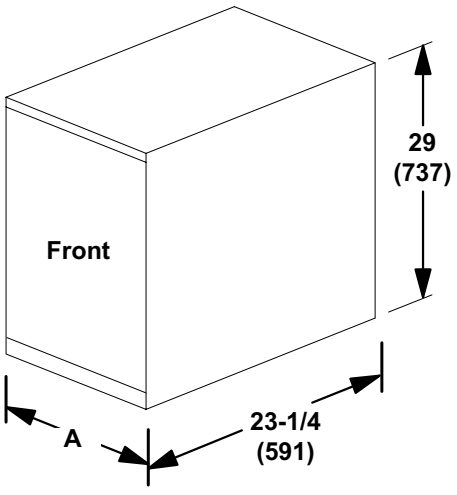
LIMITED WARRANTY

- Heat Exchanger - Twenty years
- All other covered components - Five years

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

DIMENSIONS

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



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SPECIFICATIONS

		Model No.	GWB84-042IE	GWB84-075IE	GWB84-112IE	GWB84-150IE	GWB84-187IE
Gas Heating Performance		Heating capacity input - Btuh	42,500	75,000	112,500	150,000	187,500
		Heating capacity output - Btuh	36,000	63,000	94,000	125,000	155,000
		[1] Net AHRI rating - Btuh	31,000	55,000	82,000	109,000	135,000
		[2] AFUE	84.4%	84.0%	84.0%	84.0%	84.0%
Boiler Data		Number of boiler sections	2	3	4	5	6
		Net boiler heating surface - sq. ft.	4.61	8.17	11.73	15.29	18.85
		Boiler capacity - U.S. gallons	1.75	3.00	4.25	5.50	6.75
Connections in.	[3] Flue Size diameter (round)	Conventional	4	4	4	4	4
		Horizontal	3	3	3	3	4
	Gas piping size I.P.S.	Natural gas	1/2	1/2	1/2	1/2	3/4
		LPG/Propane	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
		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	225	265	322	370	431

[1] Net AHRI ratings indicate the amount of heat each boiler will produce under normal conditions and thermostatic control.
AHRI water ratings are based on an allowance of 1.15 in accordance with the factors shown in the Operations Manual of the AHRI Residential Boilers Certification Program.
Selection of boiler size should be based on “Net AHRI 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 US DOE test procedures and FTC labeling regulations.

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

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - See page 17 for Listing of Common Boiler Accessories	Catalog No.
Combustible Floor Base - GWB84-187IE thru 225IE	**18P26**
Natural Gas to LPG/Propane Kit (all models)	**72M81**
LPG/Propane to Natural Gas Kit (all models)	**54L58**

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GWB84-E

RESIDENTIAL PRODUCT CATALOG

Gas-Fired - Water Boiler
AFUE - 84.0%
Input - 59,000 to 299,000 Btuh

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FEATURES

Heating System

- Cast Iron Heat Exchanger
- Stainless Steel Burners (060 to 235 models)
- Titanium Burners (262 and 299 models)
- Automatic Gas Control Valve
- Electronic Ignition
- Relief Valve
- Combination Temperature/Pressure Gauge
- Circulating Pump
- Brass Drain Valve

Venting

- Blocked Vent Shutoff Sensor
- Integral Draft Hood
- Vent Damper

Controls

- Boiler Control Module with LED Readout and Status Lights
- Thermal Targeting
- Thermal Pre-Purge
- Enhanced Condensing Protection
- Flame Rollout Switch
- Limit Sensor
- Transformer
- Junction Box

Cabinet

- Heavy-gauge steel
- Thermosetting polyester paint finish
- Fully insulated with fiberglass insulation
- Draft Diverter

ACCESSORIES

- Combustible Floor Base
- Natural Gas to LPG/Propane Conversion Kits
- LPG/Propane to Natural Gas Conversion Kits
- High Altitude Natural Gas Kits
- Orifice Kits - 262-299 Models Only
- See page 17 for Listing of Common Boiler Accessories

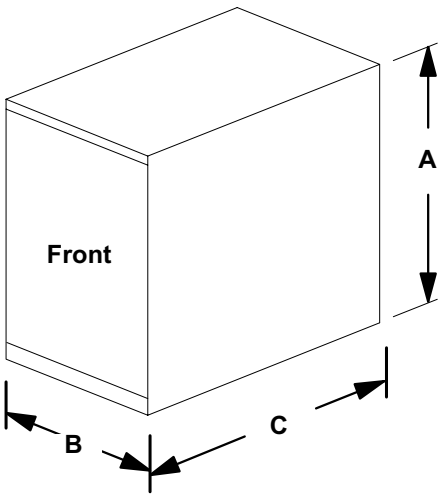
LIMITED WARRANTY

- Heat Exchanger - Twenty years
- All other covered components - Five years

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

Model No	A	B	C
GWB84-060E	32-1/8 (816)	13-3/8 (340)	26 (660)
GWB84-095E	32-1/8 (816)	13-1/2 (343)	26 (660)
GWB84-120E	32-1/8 (816)	16-1/4 (413)	26 (660)
GWB84-150E	32-1/8 (816)	19 (483)	26 (660)
GWB84-175E	32-1/8 (816)	21-7/8 555)	26 (660)
GWB84-205E	32-1/8 (816)	27-1/2 (699)	26 (660)
GWB84-235E	32-1/8 (816)	27-1/2 (699)	26 (660)
GWB84-262E	36-3/8 (924)	27-1/2 (699)	26-1/2 (673)
GWB84-299E	36-3/8 (924)	30-3/4 (781)	26-1/2 (673)

DIMENSIONS



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SPECIFICATIONS

		Model No.	GWB84-060E	GWB84-095E	GWB84-120E	GWB84-150E	GWB84-175E
Gas Heating Performance		Heating capacity input - Btuh	59,000	92,500	120,000	149,000	175,000
		Heating capacity output - Btuh	50,000	78,000	101,000	125,000	147,000
		[1] Net AHRI rating - Btuh	43,000	68,000	88,000	109,000	128,000
		[2] AFUE	84.0%	84.0%	84.0%	84.0%	84.0%
Boiler Data		Number of boiler sections	3	4	5	6	7
		Boiler capacity - U.S. gallons	1.9	2.3	2.8	3.2	3.7
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	215	250	295	335	385

SPECIFICATIONS

		Model No.	GWB84-205E	GWB84-235E	GWB84-262E	GWB84-299E
Gas Heating Performance		Heating capacity input - Btuh	205,000	235,000	262,000	299,000
		Heating capacity output - Btuh	172,000	197,000	221,000	251,500
		[1] Net rating - Btuh	150,000	172,000	192,000	219,000
		[2] AFUE	84.0%	84.0%	84.0%	84.0%
Boiler Data		Number of boiler sections	8	9	8	9
		Boiler capacity - U.S. gallons	4.1	4.6	10.3	11.6
Connections in.	Flue Size diameter (round)		7	7	7	7
	Gas piping size I.P.S.	Natural gas	3/4 NPT	3/4 NPT	1/2 NPT	1/2 NPT
		LPG/Propane	3/4 NPT	3/4 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	420	465	651	722

[1] Net AHRI ratings indicate the amount of heat each boiler will produce under normal conditions and thermostatic control.
AHRI water ratings are based on an allowance of 1.15 in accordance with the factors shown in the Operations Manual of the AHRI Residential Boilers Certification Program.
Selection of boiler size should be based on "Net AHRI 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 US DOE test procedures and FTC labeling regulations.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - See page 17 for Listing of Common Boiler Accessories	Catalog No.
Combustible Floor Base - GWB84-170E thru -299E	**18P26**

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HIGH ALTITUDE NATURAL GAS KITS

Units are certified to operate at altitudes up to 2000 ft. CSA certified units for the U.S. and Canada must be derated 4% per 1000 ft. when installed at an elevation of more than 2000 feet above sea level.

NOTE — This is the only permissible derate for these units.

Model No.	GWB84-060E	GWB84-095E	GWB84-120E	GWB84-150E	GWB84-175E	GWB84-205E	GWB84-235E	GWB84-262E	GWB84-299E
2000 ft.	21L30	21L35	21L43	21L43	21L43	21L43	21L43	See Orifice Kits Table	See Orifice Kits Table
3000 ft.	21L31	21L37	21L44	21L44	21L44	21L44	21L44		
4000 ft.	21L31	21L38	21L44	21L44	21L44	21L44	21L44		
5000 ft.	21L31	21L38	21L45	21L45	21L45	21L45	21L45		
6000 ft.	21L32	21L39	21L45	21L45	21L45	21L45	21L45		
7000 ft.	21L32	21L39	21L46	21L46	21L46	21L46	21L46		
8000 ft.	21L33	21L40	21L46	21L46	21L46	21L46	21L46		
9000 ft.	21L33	21L40	21L47	21L47	21L47	21L47	21L47		
10,000 ft.	21L34	21L41	21L47	21L47	21L47	21L47	21L47		

LPG/PROPANE CONVERSION KITS

Units are certified to operate at altitudes up to 2000 ft. CSA certified units for the U.S. and Canada must be derated 4% per 1000 ft. when installed at an elevation of more than 2000 feet above sea level.

NOTE — This is the only permissible derate for these units.

Model No.	GWB84-060E	GWB84-095E	GWB84-120E	GWB84-150E	GWB84-175E	GWB84-205E	GWB84-235E	GWB84-262E	GWB84-299E
0-1999 ft.	20X10	20X10	20X10	20X10	20X10	20X10	20X10	21U93	21U94
2000 ft.	21L26	Furnished	21L26	21L26	21L26	21L26	21L26	See Orifice Kits Table	See Orifice Kits Table
3000 ft.	21L26	21L28	21L26	21L26	21L26	21L26	21L26		
4000 ft.	21L26	21L28	21L26	21L26	21L26	21L26	21L26		
5000 ft.	21L26	21L28	21L26	21L26	21L26	21L26	21L26		
6000 ft.	21L26	21L28	21L26	21L26	21L26	21L26	21L26		
7000 ft.	21L26	21L28	21L26	21L26	21L26	21L26	21L26		
8000 ft.	21L27	21L29	21L27	21L27	21L27	21L27	21L27		
9000 ft.	21L27	21L29	21L27	21L27	21L27	21L27	21L27		
10,000 ft.	21L27	21L29	21L27	21L27	21L27	21L27	21L27		

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ORIFICE KITS - 262-299 MODELS ONLY

Altitude	Natural Gas		LPG/Propane	
	Catalog No.	Orifice Size	Catalog No.	Orifice Size
0-1999 ft.	**14615035**	#34	**14615036**	#51
2000 ft.	**14615048**	#35	**14615043**	#52
3000 ft.	**14615042**	#36	**14615043**	#52
4000 ft.	**14615042**	#36	**14615043**	#52
5000 ft.	**14615049**	#37	**14615043**	#52
6000 ft.	**14615049**	#37	**14615043**	#52
7000 ft.	**14615050**	#38	**14615054**	#53
8000 ft.	**14615051**	#39	**14615054**	#53
9000 ft.	**14615052**	#40	**14615054**	#53
10,000 ft.	**14615053**	#42	**14615055**	#54

NOTE - GWB84-262E requires seven (7) orifices per unit.
GWB84-299E requires eight (9) orifices per unit.

LPG/PROPANE TO NATURAL GAS CONVERSION KITS

Model No.	GWB84-060E	GWB84-095E	GWB84-120E	GWB84-150E	GWB84-175E	GWB84-205E	GWB84-235E	GWB84-262E	GWB84-299E
0-2000 ft.	**20X11**	**20X11**	**20X11**	**20X11**	**20X11**	**20X11**	**20X11**	**54L67**	**54L69**

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RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

FEATURES

Heating System

- Cast Iron Heat Exchanger
- 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
- Baked-on enamel finish
- Fully insulated with fiberglass insulation

NOTE - Not Available In Canada!

ACCESSORIES

- Combustible Floor Base
- Natural Gas to LPG/Propane Conversion Kits
- LPG/Propane to Natural Gas Conversion Kits
- Water Feeder
- See page 17 for Listing of Common Boiler Accessories

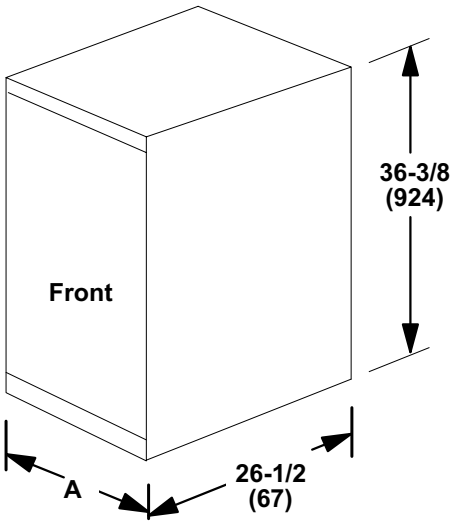
LIMITED WARRANTY

- Heat Exchanger - Twelve years
- All other covered components - Five years

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

DIMENSIONS

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)



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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 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 AHI 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

Natural to 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**
LPG/Propane to Natural Conversion Kit	Standard Kit	**21W53**	**21W54**	**21W55**	**21W56**	**21W57**	**21W58**	**21W59**
Combustible Floor Base		N/A	N/A	N/A	N/A	**18P26**	**18P26**	**18P26**
Water Feeder (24V) - 3/8 in. NPT		**98E36**	**98E36**	**98E36**	**98E36**	**98E36**	**98E36**	**98E36**

[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 AHRI 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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OWB86

RESIDENTIAL PRODUCT CATALOG

Oil-Fired - Water Boiler
AFUE - 86%
Input - 112,000 to 217,000 Btuh

Page 15
January 2022
Supersedes July 2021

NOTE - Not Available In Canada!

FEATURES

Heating System

- Cast Iron Heat Exchanger Assembly
- Beckett™ Flame-Retention AFG Oil Burner
- Pressure Relief Valve
- Combination Temperature/Pressure Gauge
- Circulating Pump
- Brass Drain Valve
- Flue Brush
- Optional 140k Nozzle Furnished With OWB86-4

Venting

- Barometric Draft Control

Controls

- Advanced Burner Control controls oil burner motor and igniter

Cabinet

- Heavy gauge steel
- Thermosetting polyester paint finish
- Fully insulated with fiberglass insulation

LIMITED WARRANTY

- Heat Exchanger- Twenty years
- All other covered components - Five years

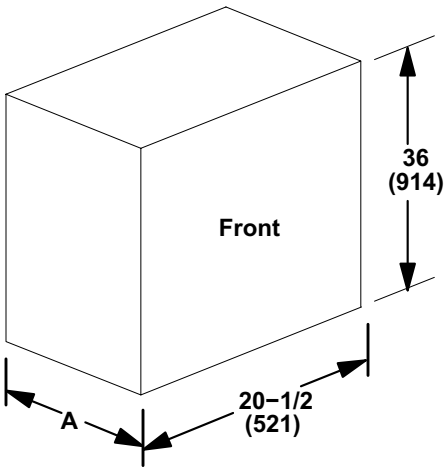
NOTE - Refer to Lennox Equipment Limited Warranty certificate included with equipment for details.

ACCESSORIES

- Tankless Hot Water Coil
- See page 17 for Listing of Common Boiler Accessories

DIMENSIONS

Model No	A	Overall Depth
OWB86-3	14-1/2 (368)	28-1/4 (718)
OWB86-4	17-3/4 (451)	31-1/2 (800)
OWB86-5	21 (533)	34-3/4 (883)



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SPECIFICATIONS

	Model No.	OWB86-3	OWB86-4		OWB86-5
Oil Heating Performance	[1] Burner input - U.S. gallons oil/hour	0.80	[5] 1.00	1.25	1.55
	Input - mBtuh	112	[5] 140	175	217
	[2] Heating Capacity - mBtuh	98	[5] 122	152	189
	[3] Net AHRI Rating - mBtuh	85	[5] 106	132	164
	[4] AFUE	86.0%	[5] 86.2%	86.0%	86.0%
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
Oil Burner Pump	Factory setting	1 stage (150 psi)	1 stage (155 psi)		1 stage (155 psi)
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)		483	554		627
Electrical characteristics		120 volts - 60 hertz - 1 phase (less than 12 amps)			

[1] Based on 140,000 Btuh per gallon.

[2] Heating capacity based on 13% CO_2 with 0.02 in. w.g. draft over fire and #1 smoke or less.

[3] Net AHRI ratings indicate the amount of heat each boiler will produce under normal conditions and thermostatic control.
AHRI water ratings are based on an allowance of 1.15 in accordance with the factors shown in the Operations Manual of the AHRI Residential Boilers Certification Program.
Selection of boiler size should be based on "Net AHRI Rating" being equal to or greater than the calculated heat loss of the building.

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

[5] With furnished 140k nozzle.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

NOTE - See page 17 for Listing of Common Boiler Accessories

		OWB86-3	OWB86-4		OWB86-5
WATER HEATING/STORAGE					
[1] Tankless Water Heater		**27M20**	**27M20**		**27M20**
	[2] Burner input - U.S. gallons oil/hour	0.80	[3] 1.00	1.25	1.55
	Tankless rating - U.S. gallons/min	3.05	[3] 3.25	3.50	3.80
	Water supply/return size N.P.T.	1/2			

[1] Water heated from 40°F to 140°F with 200°F boiler water temperature, intermittent draw.

[1] Based on 140,000 Btuh per gallon.

[3] With furnished 140k nozzle.

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COMMON BOILER ACCESSORIES - ORDER SEPARATELY

		Catalog No.
PLUMBING - ALL BOILERS EXCEPT GSB8		
Automatic Air Vent Valve (3/4 in. sweat)		**29K49**
Automatic Air Vent Valve (1 in. sweat)		**29K50**
Air Eliminator (1 in. sweat)		**X6447**
Air Eliminator (1-1/4 in. sweat)		**X6449**
Boiler Trim Kit w/ Check Valve, 1 in. NPT Air Eliminator, 4.4 Gal. Expansion Tank		**X6524**
Boiler Trim Kit w/ Check Valve, 1-1/4 in. NPT Air Eliminator, 4.4 Gal. Expansion Tank		**X6525**
Flow Check Valve (3/4 in.)		**78Y08**
Water Mixing Valve (3/4 in.)		**99L99**
Water Mixing Valve (1 in.)		**10M00**
WATER HEATING/STORAGE - ALL BOILERS EXCEPT GSB8		
Indirect Water Heater - 316L Stainless Steel Tank/Coil	40 US gallons	**20X33**
	60 US gallons	**20X34**
ZONING - ALL BOILERS EXCEPT GSB8		
Boiler Reset Control - Used with Zone Pump Control - Boiler and Outdoor Sensors furnished		**X2965**
Zone Pump Control - Four Zones (expandable to 15 zones with Expansion Module)		**20X37**
Zone Pump Control - Six Zones (expandable to 15 zones with Expansion Module)		**20X38**
Boiler Control Expansion Module (One Zone with 18 in. cable)		**20X35**
Boiler Control Expansion Module (Four Zones with 18 in. cable)		**20X36**
Zone Valve Control - Four Zones with Priority		**20X39**
Zone Valve Control - Six Zones with Priority		**20X40**
Zone Valve (3/4 in.)		**78Y03**
Zone Valve (1 in.)		**78Y04**
Zone Valve (1-1/4 in.)		**78Y05**

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AIR CONDITIONERS

SL28XCV

DAVE LENNOX *SIGNATURE*® COLLECTION

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 28.00
2 to 5 Tons

January 2022
Supersedes July 2021

RESIDENTIAL PRODUCT CATALOG

FEATURES

Refrigerant System

- Variable capacity scroll compressor with crankcase heater and sound cover
- Non-chlorine, ozone friendly, R-410A refrigerant
- 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
- 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 Transducer
- High Pressure Switch
- Low Pressure Transducer

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 with powder paint finish

iComfort® S30 Ultra-Smart Wi-Fi Thermostat REQUIRED. (Not furnished)

LENNOX QUANTUM™ COIL

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

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

NOTE - The Dave Lennox Signature Collection SL28XCV Air Conditioner can only be used with the iComfort® S30 Thermostat.

NOTE - The SL28XCV can only be matched with iComfort® Communicating variable-speed indoor furnaces and air handlers.

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

REQUIRED CONTROLS

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

- See page 19

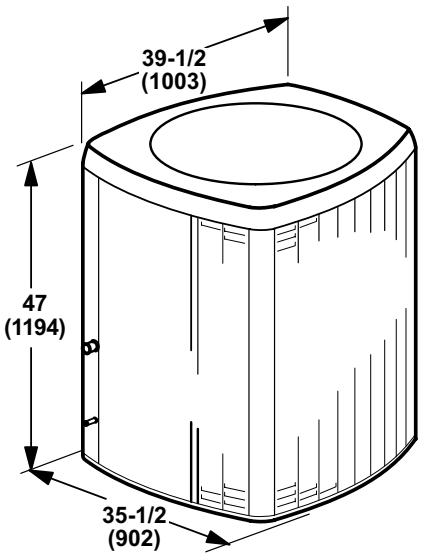
Controls

- Freezestat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	SL28XCV-024	SL28XCV-036	SL28XCV-048	SL28XCV-060
	Nominal Tonnage	2	3	4	5
[1] Sound Rating Number (dBA)	Min.	56	59	58	57
	Max.	68	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	[1] R-410A charge furnished	11 lbs. 0 oz.	10 lbs 8 oz.	12 lbs. 8 oz.	12 lbs. 8 oz.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J19**	**12J20**	**12J20**
Outdoor Fan	Diameter - in.	26	26	26	26
	No. of blades	3	3	3	3
	Motor hp	1/3	1/3	1/3	1/3
	Cfm - Max. Speed	2775	3345	4050	4400
	Min. Speed	1680	2170	2560	2035
	Rpm - Max. Speed	662	801	788	858
	Min. Speed	395	514	495	390
	Watts - Max. Speed	69	112	163	196
	Min. Speed	19	35	50	29
Shipping Data - lbs. - 1 pkg.		284	286	296	296

ELECTRICAL DATA

Line Voltage Data - 60 Hz		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
[2] Maximum Overcurrent Protection (MOCP) amps		15	25	35	50
[3] Minimum Circuit Ampacity (MCA)		11.3	17.8	22.4	29.5
Compressor Input (amps)		6.8	12	15.8	21.5
Outdoor Fan Motor - Full load amps		2.8	2.8	2.6	2.6

REQUIRED COMPONENTS - ORDER SEPARATELY

iComfort® S30 Ultra-Smart Wi-Fi Thermostat	**19V30**	•	•	•	•
[4] Discharge Air Temperature Sensor	**88K38**	•	•	•	•

OPTIONAL ACCESSORIES - ORDER SEPARATELY

[5] Freezestat	3/8 in. tubing	**93G35**	•	•	•	•
	5/8 in. tubing	**50A93**	•	•	•	•
[6] Refrigerant Line Sets		L15-65-30 L15-65-40 L15-65-50	•	•	•	
		Field Fabricate				•

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.

[4] Used with the iComfort® S30 Ultra-Smart Wi-Fi Thermostat for optional service diagnostics.

[5] Freezestat is recommended for low ambient operation.

[6] Refer to the Installation Instructions for Line Set Requirements and Refrigerant Piping Guidelines.

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Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

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Intertek

Energy ENERGY STAR

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RESIDENTIAL PRODUCT CATALOG

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
- High Pressure Switch
- Loss of Charge Switch

Cabinet

- Heavy-gauge galvanized steel 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

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 19

Compressor

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

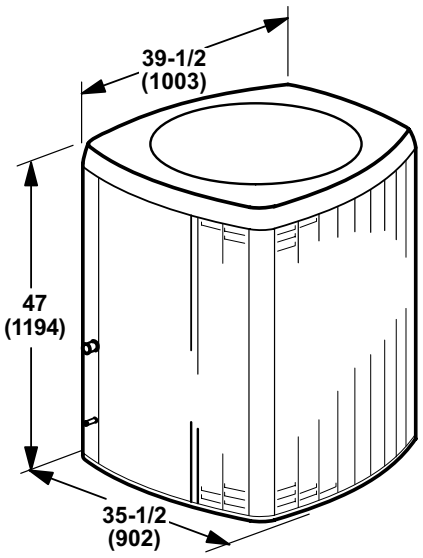
Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Indoor Blower Speed Relay Kit
- Low Ambient Kit

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	XC21-024	XC21-036	XC21-048	XC21-060
	Nominal Tonnage	2	3	4	5
[1] Sound Rating Number (dBA)		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.
Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J19	12J20	12J20
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 - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
[3] Maximum overcurrent protection (MOCP) amps	25	35	45	60
[4] Minimum circuit ampacity (MCA)	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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RESIDENTIAL PRODUCT CATALOG

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 22.00
2 to 5 Tons
Page 5
January 2022
Supersedes July 2021

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 with powder paint finish

iComfort® S30 Ultra-Smart Wi-Fi Thermostat REQUIRED. (Not furnished)

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

NOTE - The XC20 Air Conditioner 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)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

REQUIRED CONTROLS

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

- See page 19

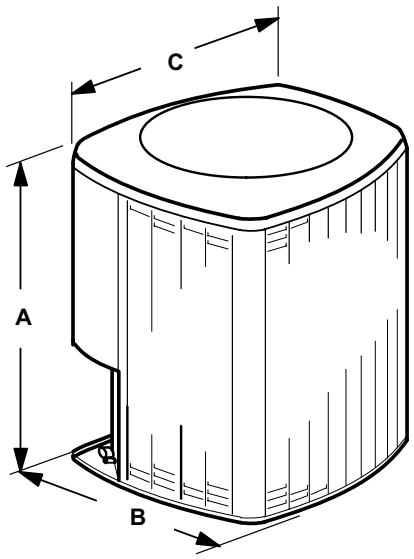
Controls

- Freezestat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	XC20-024	XC20-036	XC20-048	XC20-060
	Nominal Tonnage	2	3	4	5
[1] Sound Rating Number (dBA) - 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.
Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J19	12J20	12J20
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 - 60 Hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[3] Maximum overcurrent protection (MOCP) amps	30	30	50	50
	[4] Minimum circuit ampacity (MCA)	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.

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

ETL LISTED C US Intertek

ENERGY STAR

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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R-410A - Variable Capacity Rotary Compressor - Precise Comfort™ Technology
SEER - Up to 18.50
2 to 5 Tons

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Variable capacity rotary compressor with crankcase heater
- Non-chlorine, ozone friendly, R-410A refrigerant
- Quantum™ Coil - Aluminum 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

iComfort® Communicating Control

- iComfort® Control communicates information about the unit to the optional iComfort® thermostat
- Low Pressure Transducer
- High Pressure Switch

Cabinet

- Heavy-gauge galvanized steel with powder paint finish
- SmartHinge™ Louvered Coil Protection
- PermaGuard™ zinc-coated base

NOTE - The EL18XCV Air Conditioner can be used with an iComfort® Communicating Thermostat matched with a "communicating" indoor unit, or a conventional non-communicating thermostat matched with a "non-communicating" indoor unit.

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

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

Model	A	B	C
-024, -S024 -036, S036	35 (889)	27 (686)	28 (711)
-048, S048 S060	45 (1143)	30-1/2 (775)	35 (889)
-060	45 (1143)	35-1/2 902)	39-1/2 (1003)

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 19

Compressor

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

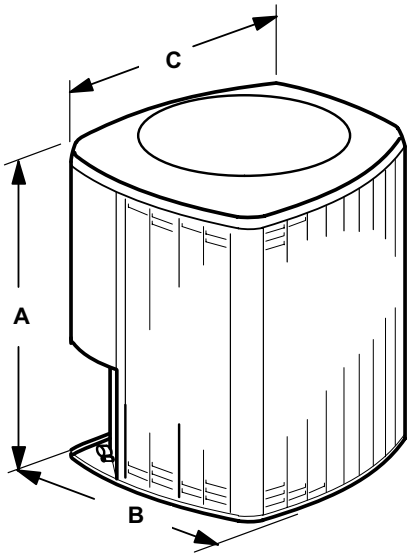
Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iComfort® E30 Smart Wi-Fi Thermostat
- Remote Outdoor Temperature Sensor
- 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 — ALL REGIONS

General Data	Model No. (All Regions)	EL18XCV-024	EL18XCV-036	EL18XCV-048	EL18XCV-060
	Nominal Tonnage	2	3	4	5
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.	3/4	7/8	7/8	1-1/8
Refrigerant	[1] R-410A charge furnished	5 lbs. 7 oz.	7 lbs. 6 oz.	10 lbs. 7 oz.	11 lbs. 8 oz.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J19**	**12J20**	**12J20**
Compressor Type		Rotary	Rotary	Rotary	Scroll
Outdoor Fan	Diameter - in.	18	18	22	26
	No. of blades	4	4	4	3
	Motor hp	1/5	1/5	1/4	1/3
	Cfm	2500	2500	3560	4350
	Rpm	1075	1075	825	1200
	Watts	183	183	278	252
Shipping Data - lbs. 1 pkg.		180	195	270	298
ELECTRICAL DATA					
	Line Voltage Data - 60 Hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[2] Maximum overcurrent protection (MOCP) amps	20	30	40	50
	[3] Minimum circuit ampacity (MCA)	12.1	18.4	24.1	29.6
Compressor Input (amps)		8.8	13.8	17.9	21.6
Outdoor Fan Motor - Full Load Amps		1.1	1.1	1.7	2.6

SPECIFICATIONS — SOUTHEAST AND NORTH REGIONS

General Data	Model No. (Southeast and North Regions)	EL18XCVS024	EL18XCVS036	EL18XCVS048	EL18XCVS060
	Nominal Tonnage	2	3	4	5
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
	Suction line (o.d.) - in.	3/4	7/8	7/8	1-1/8
Refrigerant	[1] R-410A charge furnished	5 lbs. 7 oz.	5 lbs. 11 oz.	10 lbs. 7 oz.	11 lbs. 10 oz.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J19**	**12J20**	**12J20**
Compressor Type		Rotary	Rotary	Rotary	Rotary
Outdoor Fan	Diameter - in.	18	18	22	22
	No. of blades	4	4	4	4
	Motor hp	1/5	1/5	1/4	1/4
	Cfm	2500	2400	3660	3650
	Rpm	1075	1075	825	825
	Watts	183	187	278	278
Shipping Data - lbs. 1 pkg.		180	180	270	270
ELECTRICAL DATA					
	Line Voltage Data - 60 Hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[2] Maximum overcurrent protection (MOCP) amps	20	30	40	50
	[3] Minimum circuit ampacity (MCA)	12.1	18.4	24.1	30.3
Compressor Input (amps)		8.8	13.8	17.9	22.9
Outdoor Fan Motor - Full Load Amps		1.1	1.1	1.7	1.7

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.

AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

ETL LISTED C US Intertek

ENERGY STAR

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RESIDENTIAL PRODUCT CATALOG

R-410A - Scroll Compressor
SEER - Up to 17.90
1.5 to 5 Tons
Page 9
January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Scroll Compressor with sound cover
- Non-chlorine, ozone friendly, R-410A refrigerant
- 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 with powder paint finish
- SmartHinge™ Louvered Coil Protection
- PermaGuard™ zinc-coated base
- Corner patch plate allows access to compressor

LENNOX QUANTUM™ COIL

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Five years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 19

Compressor

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

Controls

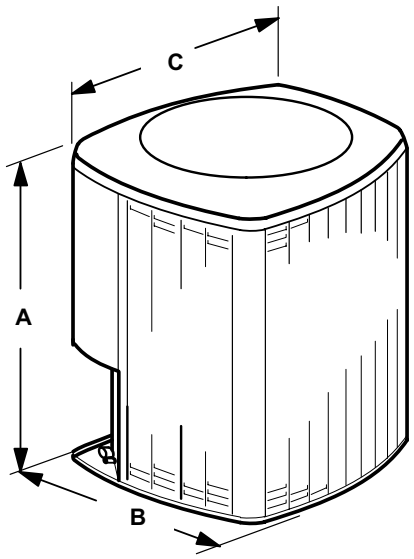
- iComfort® E30 Smart Wi-Fi Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch Kit
- Low Ambient Kit

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS

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 **EL16XC1-042** **EL16XC1-048**	39 (991)	30-1/2 (775)	35 (889)
EL16XC1-036 **EL16XC1-041**	35 (889)	30-1/2 (775)	35 (889)
EL16XC1-047 **EL16XC1-060**	35 (889)	35-1/2 (902)	39-1/2 (1003)



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SPECIFICATIONS

	Model No. (All Regions)	EL16XC1-018	EL16XC1-024	EL16XC1-030	EL16XC1-036
General Data	**(Southeast and North Regions)**	**- - -**	**- - -**	**- - -**	**EL16XC1S036**
	Nominal Tonnage	1.5	2	2.5	3
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.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J18**	**12J18**	**12J19**
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 - 60 Hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[2] Maximum overcurrent protection (MOCP) amps	20	25	25	30
	[3] Minimum circuit ampacity (MCA)	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

	Model No. (All Regions)	EL16XC1-041	EL16XC1-042	EL16XC1-047	EL16XC1-048	EL16XC1-060
General Data	Nominal Tonnage	3.5	3.5	4	4	5
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.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J20**	**12J20**	**12J20**	**12J20**	**12J20**
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 - 60 Hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[2] Maximum overcurrent protection (MOCP) amps	30	40	35	40	50
	[3] Minimum circuit ampacity (MCA)	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.

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

ETL LISTED Intertek

ENERGY STAR

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RESIDENTIAL PRODUCT CATALOG

R-410A - Scroll Compressor
SEER - Up to 16.00
1.5 to 5 Tons
Page 11
January 2022
Supersedes July 2021

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 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

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 21

Compressor

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

Controls

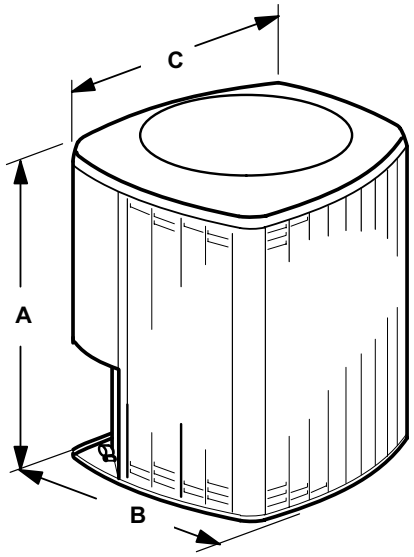
- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch Kit
- Low Ambient Kit
- iComfort® E30 Smart Wi-Fi Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS

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



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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
[1] Sound Rating Number (dBA)		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		4 lbs. 1 oz.	3 lbs. 14 oz.	4 lbs. 4 oz.	5 lbs. 4 oz.	6 lbs. 9 oz.	7 lbs. 12 oz.	9 lbs. 0 oz.
Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J18	12J18	12J19	12J20	12J20	12J20
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 (MOCP) amps		20	25	25	35	40	50	60
[4] Minimum circuit ampacity (MCA)		12.4	14.7	17.1	20.4	25.7	32.0	34.6
Compressor	Rated load amps	9.4	11.2	12.8	15.4	19.2	24.2	26.3
	Locked rotor amps	56.6	60.8	67.8	83.8	123.9	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	1.2	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

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

ETL LISTED C US Intertek

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AIR CONDITIONERS
ML14XC1
MERIT® SERIES

R-410A - Scroll Compressor
SEER - Up to 18.00
1.5 to 5 Tons

January 2022
Supersedes July 2021

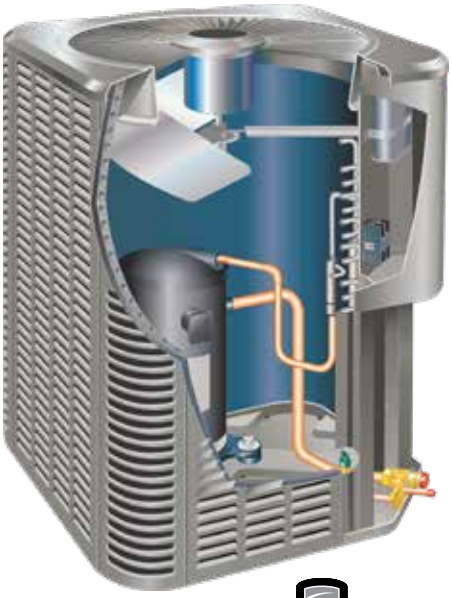
FEATURES

Refrigerant System

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

Cabinet

- Heavy-gauge galvanized steel with powder paint finish
- Steel louvered panels provide complete coil protection
- Louvered steel top fan guard
- PermaGuard™ zinc-coated base
- Corner patch plate allows access to compressor



LENNOX QUANTUM™ COIL

LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

Model No.	A	B
ML14XC1-018	29-1/4 (743)	24-1/4 (616)
ML14XC1-024 **ML14XC1-036**	29-1/4 (743)	28-1/4 (718)
ML14XC1-030 **ML14XC1-041** **ML14XC1-042** **ML14XC1-048**	37-1/4 (946)	28-1/4 (718)
ML14XC1-047	33-1/4 (845)	32-1/4 (817)
ML14XC1-059 **ML14XC1-060**	43-1/4 (1099)	32-1/4 (817)

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 21

Cabinet

- Unit Stand-Off Kit

Compressor

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

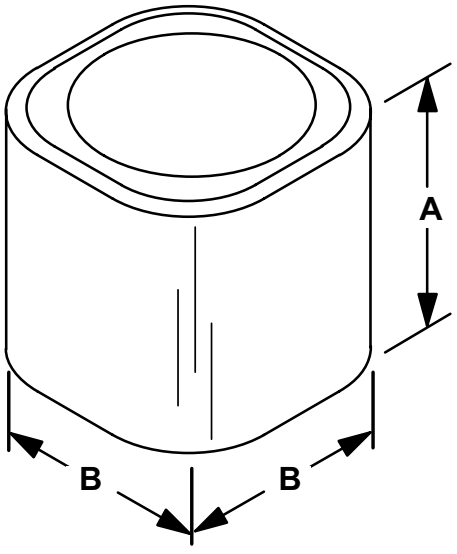
Controls

- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Loss of Charge Switch Kit
- iComfort® M30 Smart Wi-Fi Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No. (All Regions)	ML14XC1-018	ML14XC1-024	ML14XC1-030	ML14XC1-036	ML14XC1-041
	(Southeast and North Regions)	ML14XC1S018	ML14XC1S024	ML14XC1S030	ML14XC1S036	- - -
	Nominal Tonnage	1.5	2	2.5	3	3.5
[1] Sound Rating Number (dBA)		73	76	76	76	74
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. 9 oz.	4 lbs. 9 oz.	5 lbs. 8 oz.	7 lbs. 1 oz.	9 lbs. 0 oz.
Indoor Unit Expansion Valve (TXV) (If needed)		12J18	12J18	12J18	12J19	12J20
Outdoor Fan	Diameter - in. (No. of blades)	18 (3)	22 (3)	22 (3)	22 (3)	22 (3)
	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
	[2] Maximum overcurrent protection (MOCP) amps	20	25	25	30	30
	[3] Minimum circuit ampacity (MCA)	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
Condenser Fan Motor	Full load amps	0.7	1	1	1	1
	Locked rotor amps	1.3	1.9	1.9	1.9	1.9

SPECIFICATIONS

General Data	Model No. (All Regions)	ML14XC1-042	ML14XC1-047	ML14XC1-048	ML14XC1-059	ML14XC1-060
	(Southeast and North Regions)	ML14XC1S042	- - -	- - -	- - -	- - -
	Nominal Tonnage	3.5	4	4	5	5
[1] Sound Rating Number (dBA)		76	80	78	77	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
[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.
Indoor Unit Expansion Valve (TXV) (If needed)		12J20	12J20	12J20	12J20	12J20
Outdoor Fan	Diameter - in. (No. of blades)	22 (3)	26 (4)	22 (4)	26 (4)	26 (4)
	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 (MOCP) amps	40	35	40	45	50
	[4] Minimum circuit ampacity (MCA)	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
Condenser Fan Motor	Full load amps	1	1.8	1.7	2.8	1.8
	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.

AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

ETL LISTED C US Intertek

ENERGY STAR

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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RESIDENTIAL PRODUCT CATALOG

R-410A - Two-Stage Scroll Compressor
SEER - Up to 18.00
2 to 5 Tons

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Two-Stage scroll compressor
- Crankcase heater (-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
- High Pressure Switch
- Low pressure Switch

Cabinet

- Heavy-gauge galvanized steel with powder paint finish
- Steel louvered panels provide complete coil protection
- Louvered steel top fan guard
- PermaGuard™ zinc-coated base
- Corner patch plate allows access to compressor

LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 21

Cabinet

- Unit Stand-Off Kit

Compressor

- Compressor Crankcase Heater (024-036)
- Compressor Hard Start Kit
- Compressor Low Ambient Cut-Off
- Compressor Time-Off Control
- Sound Cover

Controls

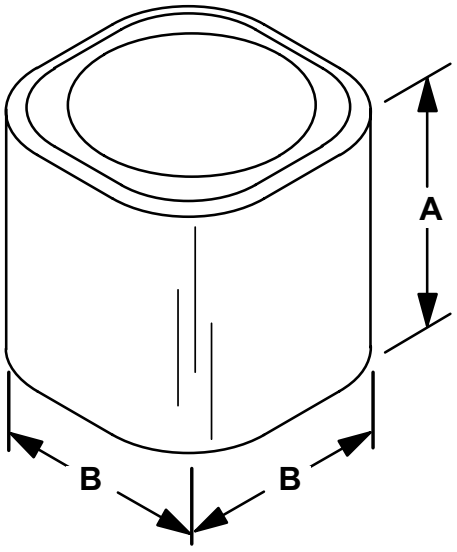
- Freezestat
- Indoor Blower Off Delay Relay
- Indoor Blower Speed Relay Kit
- Low Ambient Kit
- iComfort® M30 Smart Wi-Fi Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS

Model No.	A	B
16ACX-024	29-1/4 (743)	24-1/4 (616)
16ACX-036	29-1/4 (743)	28-1/4 (718)
16ACX-048	37-1/4 (946)	28-1/4 (718)
16ACX-060	43-1/4 (1099)	32-1/4 (817)



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SPECIFICATIONS

General Data	**Model No. (All Regions)**	**16ACX-024**	**16ACX-036**	**16ACX-048**	**16ACX-060**
	Nominal Tonnage	2	3	4	5
[1] **Sound Rating Number (dBA)**		77	76	78	75
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. 2 oz.	9 lbs. 0 oz.	10 lbs. 6 oz.	13 lbs. 2 oz.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J19**	**12J20**	**12J20**
Outdoor Fan	Diameter - in. and No. of blades	22 - 3	22 - 3	22 - 3	26 - 3
	Motor hp	1/6	1/4	1/4	1/4
	Cfm	3260	3450	3800	4375
	Rpm	825	825	825	825
	Watts	220	290	305	270
Shipping Data - lbs. 1 pkg.		190	190	235	285

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1ph	[5] 230V-1ph	[5] 230V-1ph	[5] 230V-1ph	[5] 230V-1ph
	[3] Maximum overcurrent protection (MOCP) amps	20	30	40	50
	[4] Minimum circuit ampacity (MCA)	15.6	20.8	29.2	35.7
Compressor	Rated load amps	10.2	14.2	17	23.5
	Locked rotor amps	55	78	109	118
	Power factor	0.98	0.95	0.97	0.95
Outdoor Fan Motor	Full load amps	1.0	1.7	1.7	1.4
	Locked Rotor amps	1.9	3.2	3.2	3.2

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] Hard Start Kit is required in applications where the supply voltage is less than 230V.

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

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RESIDENTIAL PRODUCT CATALOG

R-410A - Scroll Compressor
SEER - Up to 16.00
1.5 to 5 Tons
Page 17
January 2022
Supersedes July 2021

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

Cabinet

- Heavy-gauge galvanized steel with powder paint finish
- Steel louvered panels provide complete coil protection
- Louvered steel top fan guard
- PermaGuard™ zinc-coated base
- Corner patch plate allows access to compressor

LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 21

Cabinet

- 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

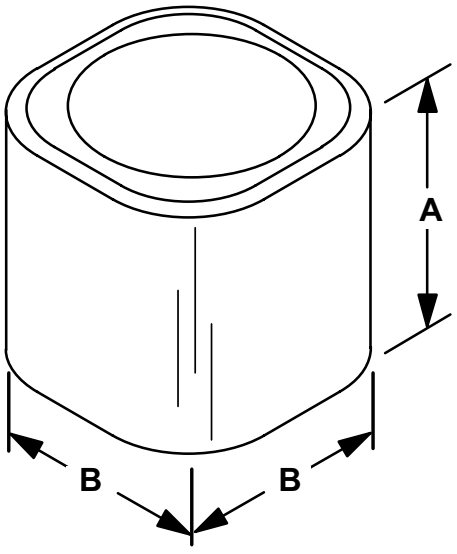
- Freezestat
- Indoor Blower Off Delay Relay
- Low Ambient Kit
- Loss of Charge Switch Kit
- iComfort® M30 Smart Wi-Fi Thermostat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS

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



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SPECIFICATIONS

General Data	Model No. (Northern Region)	13ACXN018	13ACXN024	13ACXN030	13ACXN036	13ACXN042	13ACXN048	13ACXN060
	Nominal Tonnage	1.5	2	2.5	3	3.5	4	5
[1] Sound Rating Number (dBA)		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.
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J18**	**12J18**	**12J19**	**12J20**	**12J20**	**12J20**
RFCIV Metering Orifice Size Furnished		0.051	0.057	0.059	0.072	0.076	0.082	0.090
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 (MOCP) amps		20	25	25	35	40	50	60
[4] Minimum circuit ampacity (MCA)		12.4	14.7	17.1	20.4	25.7	31.9	34.6
Compressor	Rated load amps	9.4	11.2	12.8	15.4	19.2	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

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

ETL LISTED C US Intertek

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	XC20 SL28XCV				XC21				EL18XCV			
			-024	-036	-048	-060	-024	-036	-048	-060	-024	-036	-048	-060
iComfort® S30 Ultra-Smart Wi-Fi Thermostat		**19V30**	•	•	•	•	•	•	•	•	•	•	•	•
[1] Remote Outdoor Air Sensor		**X2658**					•	•	•	•	•	•	•	•
[2] Discharge Air Temperature Sensor		**88K38**	•	•	•	•	•	•	•	•	•	•	•	•
iComfort® E30 Smart Wi-Fi Thermostat		**20A65**									•	•	•	•
Compressor Hard Start Kit		**63W22**					•							
		12J90							•	•				
	Copeland	**10J42**					•	•						
Compressor Low Ambient Cut-Off		**45F08**												
Compressor Time-Off Control		**47J27**					•	•	•	•				
[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**					•	•	•	•				
Refrigerant Line Sets	L15-41-20 L15-41-30	L15-41-40 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

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	EL16XC1									XC14									XC13						
			-018	-024	-030	-036	-041	-042	-047	-048	-060	-018	-024	-030	-036	-041	-042	-047	-048	-060	N018	N024	N030	N036	N042	N048	N060
Compressor Crankcase Heater		93M04	•	•	•	•	•	•				•	•	•	•	•	•				•	•	•	•			
		93M05																							•	•	•
		Factory							F	F	F							F	F	F							
Compressor Hard Start Kit	Copeland	10J42	•	•	•			•		•		•	•	•	•	•	•	•		•	•	•	•	•	•	•	•
	LG	88M91	•	•	•	•	•	•	•	•	•			•	•		•		•	•	•	•	•	•	•	•	•
Compressor Sound Cover		18J42																			•	•	•	•	•	•	•
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Loss of Charge Kit		84M23	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
[1] Low Ambient Kit (TXV systems only)		34M72	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Refrigerant Line Sets	L15-41-20 L15-41-30	L15-41-40 L15-41-50	•	•	•							•	•	•							•	•	•				
	L15-65-30	L15-65-40 L15-65-50				•	•	•	•	•					•	•	•	•	•					•	•	•	
		Field Fabricate									•									•							•

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

F = Factory Installed

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

	Model No.	16ACX				ML14XC1										13ACX						
		-024	-036	-048	-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							
Compressor Hard Start Kit	Copeland - **10J42**					•	•	•			•		•			•	•	•	•	•	•	•
	LG - **88M91**					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	63W22	•			•																	
	63W24		•	•																		
Compressor Sound Cover	**18J42**	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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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HEAT PUMP OUTDOOR UNITS
SL25XPV
DAVE LENNOX *SIGNATURE*® COLLECTION

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 24.00 / HSPF - Up to 11.80
2 to 5 Tons

January 2022
Supersedes July 2021

RESIDENTIAL PRODUCT CATALOG

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)

iComfort. 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 with powder paint finish

iComfort® S30 Ultra-Smart Wi-Fi Thermostat REQUIRED. (Not furnished)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

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

NOTE - The Dave Lennox Signature Collection SL25XPV Heat Pump can only be used with the iComfort® S30 Thermostat.

NOTE - The SL25XPV can only be matched with iComfort® Communicating variable-speed indoor furnaces and air handlers.

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

REQUIRED CONTROLS

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

- See page 19

Cabinet

- Snow Guard

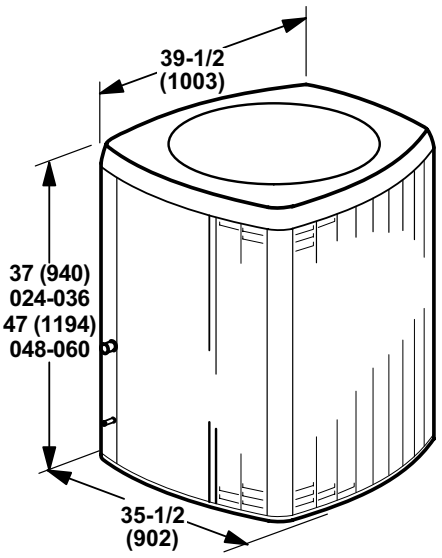
Controls

- Freezestat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	SL25XPV-024	SL25XPV-036	SL25XPV-048	SL25XPV-060
	Nominal Tonnage	2	3	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J18**	**12J19**	**12J20**	**12J20**
[1] **Sound Rating Number (dBA)**	Min.	59	55	59	66
	Max.	68	71	74	75
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	13 lbs. 3 oz.	12 lbs. 10 oz.	16 lbs. 0 oz.	15 lbs. 14 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.		268	275	313	318

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	25	30	35	35
	[4] Minimum circuit ampacity (MCA)	20.3	25.6	32.8	32.8
Compressor	Inverter Input Current Amps	14	18.2	24	24
Outdoor Coil Fan Motor	Full load amps	2.6	2.6	2.6	2.6

REQUIRED COMPONENTS - ORDER SEPARATELY

iComfort® S30 Ultra-Smart Wi-Fi Thermostat	**19V30**	**19V30**	**19V30**	**19V30**
[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.

AHRI CERTIFIED™ www.ahridirectory.org
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AHRI Standard 210/240
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RESIDENTIAL PRODUCT CATALOG

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 23.50 / HSPF - Up to 10.20
2 to 5 Tons
Page 3
January 2022
Supersedes July 2021

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)

iComfort. 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 with powder paint finish

iComfort® S30 Ultra-Smart Wi-Fi Thermostat REQUIRED. (Not furnished)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

NOTE - 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.

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

REQUIRED CONTROLS

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Discharge Air Temperature Sensor

ACCESSORIES

- See page 19

Cabinet

- Snow Guard

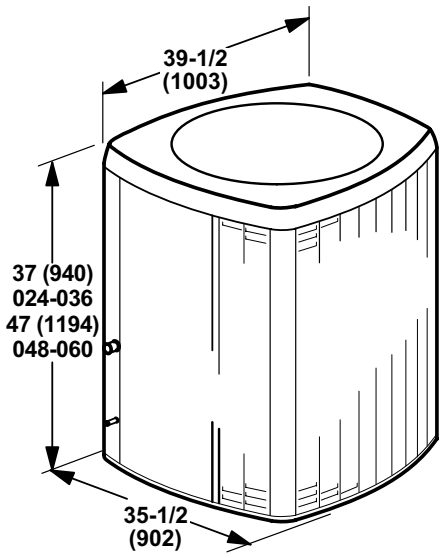
Controls

- Freezestat

Refrigerant System

- Expansion Valve Kits
- Refrigerant Line Kits

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 (dBA)**	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 - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	25	30	50	50
	[4] Minimum circuit ampacity (MCA)	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 Ultra-Smart Wi-Fi Thermostat		**19V30**	**19V30**	**19V30**	**19V30**
[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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AHRI Standard 210/240
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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

iComfort. 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 with powder paint finish
- Compressor and control box located in a separate compartment, insulated with thick fiberglass insulation

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

NOTE - 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

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 19

Cabinet

- Snow Guard

Compressor

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

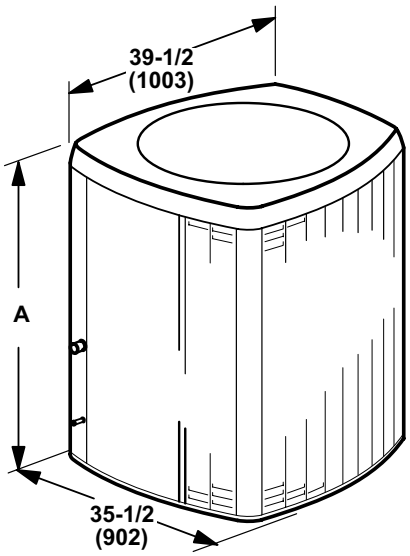
Controls

- iComfort® S30 Ultra-Smart Wi-Fi 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 (dBA)**		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 - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	25	35	45	60
	[4] Minimum circuit ampacity (MCA)	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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AHRI Standard 210/240
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RESIDENTIAL PRODUCT CATALOG

R-410A - Variable-Capacity Scroll Compressor
SEER - Up to 20.00 / HSPF - Up to 10.00
2 to 5 Tons

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January 2022
Supersedes July 2021

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 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

iComfort® S30 Ultra-Smart Wi-Fi Thermostat REQUIRED. (Not furnished)

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

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

Cabinet

- Heavy-gauge galvanized steel with pre-painted finish
- SmartHinge™ Louvered Coil Protection
- PermaGuard™ zinc-coated base

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)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Five years

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

REQUIRED CONTROLS

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Discharge Air Temperature Sensor

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 19

Cabinet

- Snow Guard

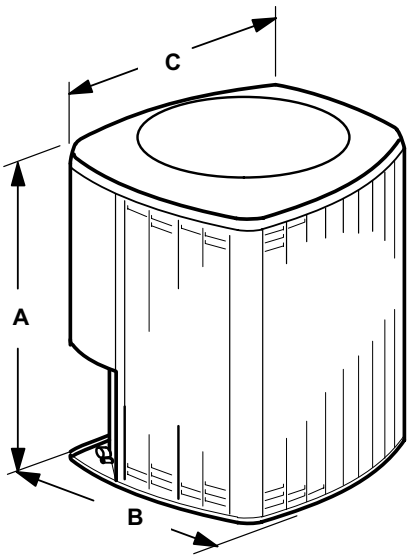
Controls

- Freezestat

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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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 (dBA)**	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 - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	30	35	50	60
	[4] Minimum circuit ampacity (MCA)	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 Ultra-Smart Communicating Thermostat	**19V30**	•	•	•	•
[5] **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.

[5] Optional for service diagnostics.

AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

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RESIDENTIAL PRODUCT CATALOG

R-410A - Variable Capacity Compressor - Precise Comfort™ Technology
SEER - Up to 20.00 / HSPF - Up to 10.00
2 to 5 Tons

Page 9
January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Variable capacity compressor with crankcase heater
- Non-chlorine, ozone friendly, R-410A refrigerant
- Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins
- PVC coated, steel fan guard
- Factory installed, hi-capacity liquid line drier
- Outdoor unit expansion valve
- Four-way interchange reversing valve
- Fully serviceable brass service valves

iComfort® Communicating Control

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

iComfort. So simple. So smart. So comfortable.

- Low Pressure Transducer
- High Pressure Transducer
- 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

- Heavy-gauge galvanized steel with powder paint finish
- SmartHinge™ Louvered Coil Protection
- PermaGuard™ zinc-coated base

NOTE - The EL18XPV Heat Pump can be used with an iComfort® Communicating Thermostat matched with a "communicating" indoor unit, or a conventional non-communicating thermostat matched with a "non-communicating" indoor unit.

LENNOX QUANTUM™ COIL

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Ten years

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

Model	A	B	C
-024, -036	35 (889)	27 (686)	28 (711)
-048, 060	45 (1143)	30-1/2 (775)	35 (889)

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See page 19

Cabinet

- Snow Guard

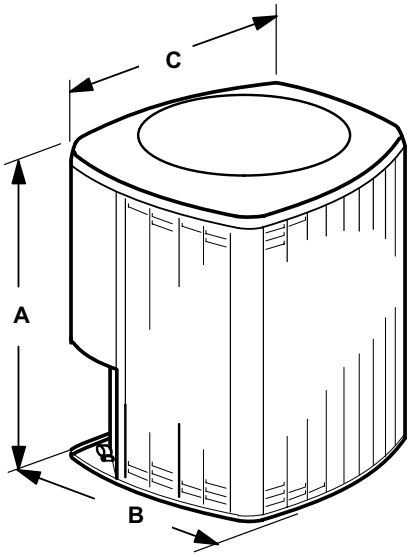
Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iComfort® E30 Smart Wi-Fi Thermostat
- Remote Outdoor Temperature Sensor
- Freezestat
- Indoor Blower Off Delay Relay
- Thermostat

Refrigerant System

- Check/Expansion Valve Kits
- Refrigerant Line Kits

DIMENSIONS



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SPECIFICATIONS

General Data	Model No.	EL18XPV-024	EL18XPV-036	EL18XPV-048	EL18XPV-060
	Nominal Tonnage	2	3	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J18**	**12J19**	**12J20**	**12J20**
[1] **Sound Rating Number (dBA)**	Min.	61	61	66	64
	Max.	72	75	75	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	[2] R-410A charge furnished	8 lbs. 12 oz.	8 lbs. 5 oz.	12 lbs. 5 oz.	12 lbs. 6 oz.
Outdoor Fan	Diameter - in.	18	18	22	22
	No. of blades	4	4	4	4
	Motor hp	1/3	1/3	1/3	1/3
	Cfm	2330	2400	3690	4350
	Rpm	1100	1145	890	1055
	Watts	120	146	253	409
Shipping Data - lbs. 1 pkg.		153	153	222	222

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum Overcurrent Protection (MOCP) amps	25	30	40	60
	[4] Minimum Circuit Ampacity (MCA)	16.2	20.7	25.9	34.8
Compressor	Input amps	10.9	14.2	18.6	25.6
Outdoor Fan Motor	Full load amps	2.6	2.6	2.6	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. 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.

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

HRAI MEMBER COMPANY

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ENERGY STAR

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RESIDENTIAL PRODUCT CATALOG

R-410A - Scroll Compressor
SEER - Up to 17.00 / HSPF - Up to 9.80
1.5 to 5 Tons

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Scroll Compressor with sound cover
- Crankcase Heater (-036-042-048-060)
- Non-chlorine, ozone friendly, R-410A refrigerant
- Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins
- Fully serviceable brass service valves
- Factory installed, hi-capacity liquid line drier
- Four-Way interchange reversing valve
- Totally enclosed, direct drive outdoor fan motor with ball bearings
- PVC coated, steel fan guard

Controls

- High Pressure Switch
- Low Pressure Switch
- Defrost Control with integrated anti-short cycle

Cabinet

- Heavy-gauge galvanized steel with pre-painted finish
- SmartHinge™ Louvered Coil Protection
- PermaGuard™ zinc-coated base

LIMITED WARRANTY

- Compressor - Ten years
- All covered components - Five years

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

Model No.	A	B	C
EL16XP1-018	45 (1143)	30-1/2 (775)	35 (889)
EL16XP1-024 **EL16XP1-030**	35 (889)	30-1/2 (775)	35 (889)
EL16XP1-036	35 (889)	35-1/2 (902)	39-1/2 (1003)
EL16XP1-042 **EL16XP1-048** **EL16XP1-060**	45 (1143)	35-1/2 (902)	39-1/2 (1003)

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

ACCESSORIES

- See

Compressor

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

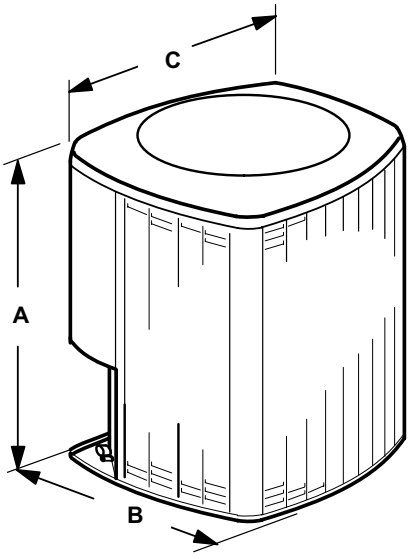
Controls

- iComfort® E30 Smart Wi-Fi Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch Kit
- 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	Model No.	EL16XP1-018	EL16XP1-024	EL16XP1-030	EL16XP1-036
Data	Nominal Tonnage	1.5	2	2.5	3
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J18**	**12J18**	**12J18**	**12J19**
[1] Sound Rating Number (dBA)		71	72	72	72
Connections	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
(sweat)	Suction line (o.d.) - in.	3/4	3/4	3/4	7/8
Refrigerant	[2] R-410A charge furnished	6 lbs. 6 oz.	6 lbs. 11 oz.	7 lbs. 10 oz.	8 lbs. 7 oz.
Outdoor	Diameter - in.	22	22	22	26
Fan	No. of blades	3	3	3	3
	Motor hp	1/6	1/6	1/6	1/3
Shipping Data - lbs. 1 pkg.		213	211	211	214

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	20	20	25	35
	[4] Minimum circuit ampacity (MCA)	12.2	13.6	16.4	20.9
Compressor	Rated load amps	9	10.1	12.3	14.7
	Locked rotor amps	48	52	63	75
	Power factor	0.98	0.98	0.96	0.99
Outdoor Fan Motor	Full load amps	1.0	1.0	1.0	2.6
	Locked rotor amps	1.9	1.9	1.9	- - -

SPECIFICATIONS

General	Model No.	EL16XP1-042	EL16XP1-048	EL16XP1-060
Data	Nominal Tonnage	3.5	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J20**	**12J20**	**12J20**
[1] Sound Rating Number (dBA		73	73	73
Connections	Liquid line (o.d.) - in.	3/8	3/8	3/8
(sweat)	Suction line (o.d.) - in.	7/8	7/8	1-1/8
Refrigerant	[2] R-410A charge furnished	10 lbs. 12 oz.	10 lbs. 7 oz.	10 lbs. 4 oz.
Outdoor	Diameter - in.	26	26	26
Fan	No. of blades	3	3	4
	Motor hp	1/3	1/3	1/3
Shipping Data - lbs. 1 pkg.		294	294	300

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	40	40	50
	[4] Minimum circuit ampacity (MCA)	25	25.8	30.4
Compressor	Rated load amps	15.9	18.5	22.2
	Locked rotor amps	112.3	124	127.9
	Power factor	0.99	0.99	0.99
Outdoor Fan Motor	Full load amps	2.6	2.6	2.6

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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Unitary Small HP
AHRI Standard 210/240
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HRAI MEMBER COMPANY

ETL LISTED Intertek

ENERGY STAR

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RESIDENTIAL PRODUCT CATALOG

R-410A
SEER - Up to 17.00 / HSPF - Up to 9.80
1.5 to 5 Tons
Page 13
January 2022
Supersedes July 2021

FEATURES

Refrigerant System

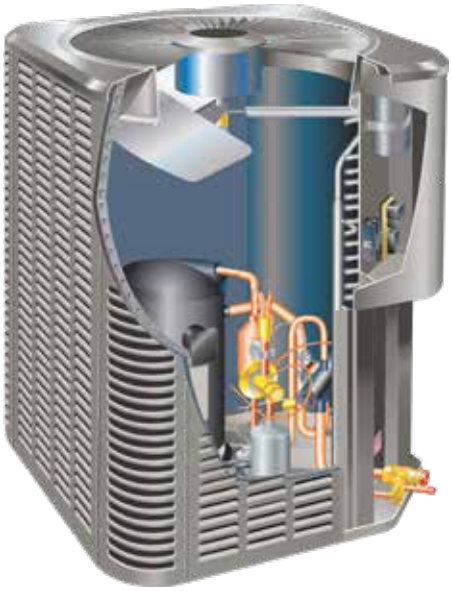
- Scroll Compressor
- Non-chlorine, ozone friendly, R-410A refrigerant
- Quantum™ Coil - Aluminum tube construction with enhanced ripple-edged aluminum fins
- Fully serviceable brass service valves
- Factory installed, hi-capacity liquid line drier
- Totally enclosed, direct drive outdoor fan motor with ball bearings
- Outdoor unit expansion valve
- Four-way interchange reversing valve

Controls

- Defrost control with integrated anti-short cycle
- High Pressure Switch
- Low Pressure Switch

Cabinet

- Steel louvered panels provide complete coil protection
- Louvered steel top fan guard
- PermaGuard™ zinc-coated base
- Heavy-gauge galvanized steel with powder paint finish
- Corner patch plate allows access to compressor components



LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

Model No.	A	B
ML16XP1-018	43-1/4 (1099)	28-1/4 (718)
ML16XP1-024 **ML16XP1-030**	33-1/4 (845)	28-1/4 (718)
ML16XP1-036	33-1/4 (845)	32-1/4 (819)
ML16XP1-042 **ML16XP1-048** **ML16XP1-060**	43-1/4 (1099)	32-1/4 (819)

ACCESSORIES

- See page 21

Cabinet

- Unit Stand-off Kit

Compressor

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

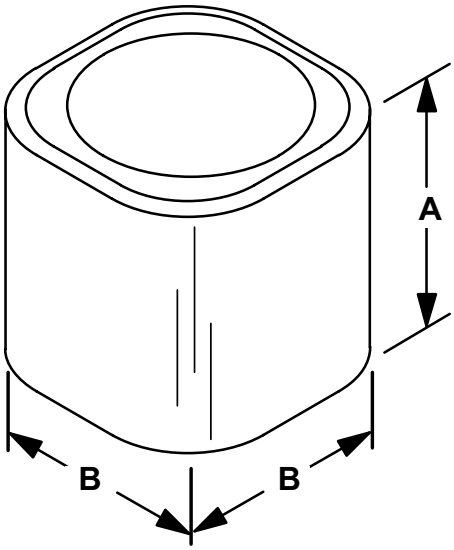
Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch
- 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.	ML16XP1-018	ML16XP1-024	ML16XP1-030	ML16XP1-036
	Nominal Tonnage	1.5	2	2.5	3
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J18**	**12J18**	**12J18**	**12J19**
[1] **Sound Rating Number (dBA)**		76	76	76	76
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8	3/8
	Vapor (Suction) line (o.d.) - in.	3/4	3/4	3/4	7/8
Refrigerant	[2] R-410A charge furnished	6 lbs. 6 oz.	6 lbs. 11 oz.	7 lbs. 10 oz.	8 lbs. 7 oz.
Outdoor Fan	Diameter - in.	22	22	22	26
	No. of blades	3	3	3	3
	Motor hp	1/6	1/6	1/6	1/3
Shipping Data - lbs. 1 pkg.		180	188	188	214

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	20	20	25	35
	[4] Minimum circuit ampacity (MCA)	12.2	13.6	16.4	20.9
Compressor	Rated load amps	9	10.1	12.3	14.7
	Locked rotor amps	48	52	63	75
	Power factor	0.98	0.98	0.96	0.99
Outdoor Fan Motor	Full load amps	1.0	1.0	1.0	2.6
	Locked rotor amps	1.9	1.9	1.9	- - -

SPECIFICATIONS

General Data	Model No.	ML16XP1-042	ML16XP1-048	ML16XP1-060
	Nominal Tonnage	3.5	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J20**	**12J20**	**12J20**
[1] **Sound Rating Number (dBA)**		79	80	80
Connections (sweat)	Liquid line (o.d.) - in.	3/8	3/8	3/8
	Vapor (Suction) line (o.d.) - in.	7/8	7/8	1-1/8
Refrigerant	[2] R-410A charge furnished	10 lbs. 12 oz.	10 lbs. 7 oz.	10 lbs. 4 oz.
Outdoor Fan	Diameter - in.	26	26	26
	No. of blades	3	3	4
	Motor hp	1/3	1/3	1/3
Shipping Data - lbs. 1 pkg.		263	263	268

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	40	40	50
	[4] Minimum circuit ampacity (MCA)	25	25.8	30.4
Compressor	Rated load amps	15.9	18.5	22.2
	Locked rotor amps	112.3	124	127.9
	Power factor	0.99	0.99	0.99
Outdoor Fan Motor	Full load amps	2.6	2.6	2.6

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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HRAI MEMBER COMPANY

ETL LISTED Intertek

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RESIDENTIAL PRODUCT CATALOG

R-410A
SEER - Up to 16.00 / HSPF - Up to 9.00
1.5 to 5 Tons
Page 15
January 2022
Supersedes July 2021

FEATURES

Refrigerant System

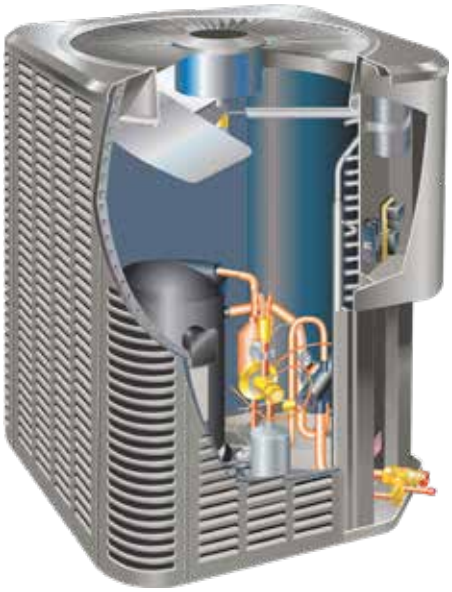
- Scroll Compressor
- Compressor crankcase heater (-036-042-48-060)
- Non-chlorine, ozone friendly, R-410A refrigerant
- Copper tube construction with enhanced ripple-edged aluminum fins
- Fully serviceable brass service valves
- Factory installed, hi-capacity liquid line drier
- Totally enclosed, direct drive outdoor fan motor with sleeve bearings
- Outdoor unit expansion valve
- Four-way interchange reversing valve

Controls

- Defrost control with integrated anti-short cycle
- High Pressure Switch
- Low Pressure Switch

Cabinet

- Steel louvered panels provide complete coil protection
- Louvered steel top fan guard
- PermaGuard™ zinc-coated base
- Heavy-gauge galvanized steel with powder paint finish
- Corner patch plate allows access to compressor components



LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

Model No.	A	B
ML14XP1-018 **ML14XP1-024** **ML14XP1-030**	43-1/4 (1099)	28-1/4 (718)
ML14XP1-036	37-1/4 (946)	28-1/4 (718)
ML14XP1-042 **ML14XP1-048**	37-1/4 (946)	32-1/4 (819)
ML14XP1-060	43-1/4 (1099)	32-1/4 (819)

ACCESSORIES

- See page 21

Cabinet

- Unit Stand-off Kit

Compressor

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

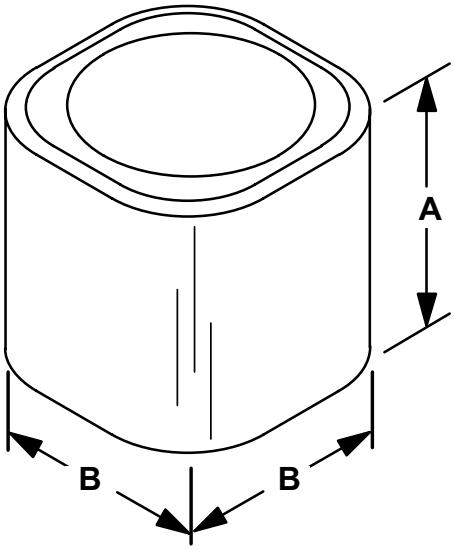
Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Freezestat
- Indoor Blower Off Delay Relay
- Loss of Charge Switch
- 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	Model No.	ML14XP1-018	ML14XP1-024	ML14XP1-030	ML14XP1-036
Data	Nominal Tonnage	1.5	2	2.5	3
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J18**	**12J18**	**12J18**	**12J19**
[1] **Sound Rating Number (dBA)**		76	76	76	76
Connections	Liquid line o.d. - in.	3/8	3/8	3/8	3/8
(sweat)	Vapor line o.d. - in.	3/4	3/4	3/4	7/8
[2] **Refrigerant**	R-410A charge furnished	6 lbs. 10 oz.	6 lbs. 2 oz.	6 lbs. 9 oz.	8 lbs. 8 oz.
Outdoor	Diameter - in. and No. of blades	22 - 3	22 - 3	22 - 3	22 - 3
Fan	Motor hp	1/6	1/6	1/6	1/6
	Cfm	2670	2670	2890	2870
	Rpm	867	867	847	839
	Watts	160	160	200	205
Shipping Data - lbs. 1 package		213	213	213	229

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1ph	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	20	20	25	30
	[4] Minimum circuit ampacity (MCA)	12.2	13.6	17.0	18.6
Compressor	Rated Load Amps	9.0	10.1	12.8	14.1
	Locked Rotor Amps	48	52	67.8	72.2
	Power Factor	0.98	0.98	0.96	0.99
Outdoor	Full Load Amps	1.0	1.0	1.0	1.0
Fan Motor	Locked Rotor Amps	1.9	1.9	1.9	1.9

SPECIFICATIONS

General	Model No.	ML14XP1-042	ML14XP1-048	ML14XP1-060
Data	Nominal Tonnage	3.5	4	5
	Indoor Unit Expansion Valve (TXV) (If needed)	**12J20**	**12J20**	**12J20**
[1] **Sound Rating Number (dBA)**		79	80	80
Connections	Liquid line o.d. - in.	3/8	3/8	3/8
(sweat)	Vapor line o.d. - in.	7/8	7/8	1-1/8
[2] **Refrigerant**	R-410A charge furnished	9 lbs. 3 oz.	9 lbs. 15 oz.	11 lbs. 4 oz.
Outdoor	Diameter - in. and No. of blades	22 - 4	22 - 4	22 - 4
Fan	Motor hp	1/3	1/3	1/3
	Cfm	4347	4347	4500
	Rpm	843	843	830
	Watts	299	299	307
Shipping Data - lbs. 1 package		272	273	295

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1ph	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	45	45	50
	[4] Minimum circuit ampacity (MCA)	25.8	26.2	29.6
Compressor	Rated Load Amps	19.2	19.6	22.2
	Locked Rotor Amps	123.9	130	127.9
	Power Factor	0.99	0.99	0.99
Outdoor	Full Load Amps	1.8	1.8	1.8
Fan Motor	Locked Rotor Amps	2.9	2.9	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.

[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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RESIDENTIAL PRODUCT CATALOG

R-410A - Two-Stage Scroll Compressor
SEER - Up to 17.00 / HSPF - Up to 9.50
2 to 5 Tons
Page 17
January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Two-Stage scroll compressor with crankcase heater
- Non-chlorine, ozone friendly, R-410A refrigerant
- 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

- Steel louvered panels provide complete coil protection
- Louvered steel top fan guard
- PermaGuard™ zinc-coated base
- Heavy-gauge galvanized steel with powder paint finish
- Corner patch plate allows access to compressor components

LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

AHRI RATINGS

- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com

Model No.	A	B
16HPX-024	33-1/4 (845)	24-1/4 (616)
16HPX-036	33-1/4 (845)	32-1/4 (819)
16HPX-048	33-1/4 (845)	32-1/4 (819)
16HPX-060	43-1/4 (1099)	32-1/4 (819)

ACCESSORIES

- See page 19

Cabinet

- Unit Stand-Off Kit

Compressor

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

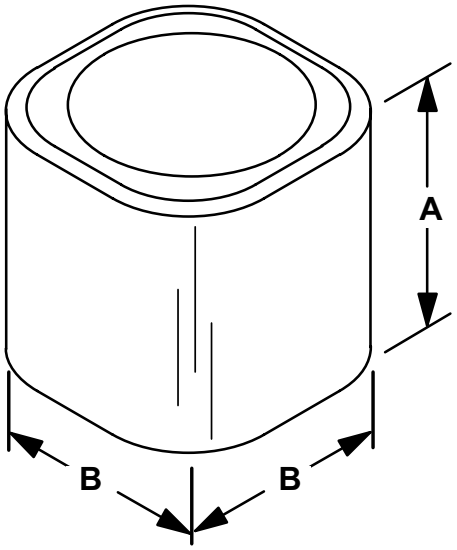
Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Freezestat
- Low Ambient Kit
- Indoor Blower Off Delay Relay
- Indoor Blower Speed Relay 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.	16HPX-024	16HPX-036	16HPX-048	16HPX-060
	Nominal Tonnage	2	3	4	5
Indoor Unit Expansion Valve (TXV) (If needed)		**12J18**	**12J19**	**12J20**	**12J20**
[1] **Sound Rating Number (dBA)**		74	82	81	80
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
[2] **Refrigerant**	R-410A charge furnished	7 lbs. 14 oz.	10 lbs. 8 oz.	9 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
	Cfm - 1st stage	2232	4500	4500	3690
	2nd stage	- - -	- - -	- - -	4250
	Rpm - 1st stage	1075	825	825	700
	2nd stage	- - -	- - -	- - -	820
	Watts - 1st stage	145	290	290	130
	2nd stage	- - -	- - -	- - -	195
Shipping Data - lbs. 1 pkg.		173	233	256	284

ELECTRICAL DATA

	Line voltage data - 60 Hz - 1 ph	[5] 230V	[5] 230V	[5] 230V	[5] 230V
	[3] Maximum overcurrent protection (MOCP) amps	25	35	45	60
	[4] Minimum circuit ampacity (MCA)	15.3	22.5	28.3	36.7
Compressor	Rated load amps	11.7	16.6	21.2	27.1
	Locked rotor amps	58	83	104	153
	Power factor	0.98	0.99	0.99	0.99
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. 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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HRAI MEMBER COMPANY

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	SL25XPV XP20 XP25				XP21				EL18XPV			
			-024	-036	-048	-060	-024	-036	-048	-060	-024	-036	-048	-060
iComfort® S30 Thermostat		**19V30**	•	•	•	•	•	•	•	•	•	•	•	•
[1] Discharge Air Temperature Sensor		**88K38**	•	•	•	•	•	•	•	•	•	•	•	•
Compressor Hard Start Kit		**63W22**					•							
		63W23						•						
		63W24								•				
	Copeland	**10J42**							•					
[3] Freezestat	3/8 in. tubing	**93G35**	•	•	•	•	•	•	•	•	•	•	•	•
	5/8 in. tubing	**50A93**	•	•	•	•	•	•	•	•	•	•	•	•
High Pressure Switch Kit		**Factory**					F	F	F	F				
Indoor Blower Off Delay Relay		**58M81**					•	•	•	•	•	•	•	•
Indoor Blower Relay		**31960**					•	•	•	•				
Low Ambient Kit		**68M04**					•	•	•	•				
Loss of Charge Kit		**Factory**					F	F	F	F				
Mild Weather Kit		**11B97**					•	•	•	•				
Monitor Kit - Service Light		**76F53**					•	•	•	•				
Outdoor Thermostat Kit	Thermostat	**10Z23**					•	•	•	•				
	Mounting Box	**31461**					•	•	•	•				
Refrigerant Line Sets	L15-41-20 L15-41-30	L15-41-40 L15-41-50									•			
	L15-65-30	L15-65-40 L15-65-50	•	•	•		•	•	•			•	•	
	Field Fabricate					•				•				•
Snow Guards	40 x 36 in.	**X8782**	[4] •	[4] •	[4] •	[4] •	•	•	•	•				
	39-1/2 x 35-5/8 in.	**Y1033**	[5] •	[5] •	[5] •	[5] •								
	28-1/2 x 27-1/2 in.	**X8781**									•	•		
	35-1/2 x 31 in. (Canada Only)	**X8780**											•	•

[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 SL25XPV and XP25.

[5] **Y1033** is used with XP20.

F = Factory Installed.

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	EL16XP1						
			-018	-024	-030	-036	-042	-048	-060
Compressor Crankcase Heater		**93M04**	•	•	•				
		Factory				F	F	F	F
Compressor Hard Start Kit	Copeland	**10J42**				•	•		
	LG	**88M91**	•	•	•	•		•	•
Compressor Low Ambient Cut-Off		**45F08**	•	•	•	•	•	•	•
[1] Freezestat	3/8 in. tubing	**93G35**	•	•	•	•	•	•	•
	5/8 in. tubing	**50A93**	•	•	•	•	•	•	•
Indoor Blower Off Delay Relay		**58M81**	•	•	•	•	•	•	•
[1] Low Ambient Kit		**54M89**	•	•	•	•	•	•	•
Mild Weather Kit		**11B97**	•	•	•	•	•	•	•
Monitor Kit - Service Light		**76F53**	•	•	•	•	•	•	•
Outdoor Thermostat Kit	Thermostat	**10Z23**	•	•	•	•	•	•	•
	Mounting Box	**31461**	•	•	•	•	•	•	•
Refrigerant Line Sets	L15-41-20 L15-41-30	L15-41-40 L15-41-50	•	•	•				
	L15-65-30	L15-65-40 L15-65-50				•	•	•	•
Snow Guards	35-1/2 x 31 in. (Canada Only)	**X8780**	•	•	•				
	39-1/2 x 35-5/8 in.	**Y1033**					•	•	•

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

F = Factory Installed.

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	16HPX				ML16XP1							ML14XP1						
			-024	-036	-048	-060	-018	-024	-030	-036	-042	-048	-060	-018	-024	-030	-036	-042	-048	-060
[1] Compressor Crankcase Heater		93M04												•	•	•				
		93M05					•	•	•	•	•	•	•							
		Factory								F	F	F	F				F	F	F	F
Compressor Hard Start Kit	Copeland	10J42		•	•						•	•					•	•	•	
	LG	88M91					•	•	•	•	•		•	•	•	•				•
		63W22	•																	
		63W24				•														
Compressor Sound Cover		18J42	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
[1] Freezestat	3/8 in. tubing	93G35	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	5/8 in. tubing	50A93	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Indoor Blower Off Delay Relay		58M81	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Loss of Charge Kit		84M23					•	•	•	•	•	•	•	•	•	•	•	•	•	•
[1] Low Ambient Kit		54M89	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
		68M04				•														
Mild Weather Kit		11B97	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Monitor Kit - Service Light		76F53	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Outdoor Thermostat Kit	Thermostat	10Z23	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Mounting Box	31461	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Refrigerant Line Sets	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 (if not furnished) and Freezestat are recommended with Low Ambient Kit.

F = Factory Installed.

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RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- 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 furnished

Cabinet

- Pre-painted cabinet finish
- Fully insulated with thick fiberglass insulation

Coil Match-Up

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

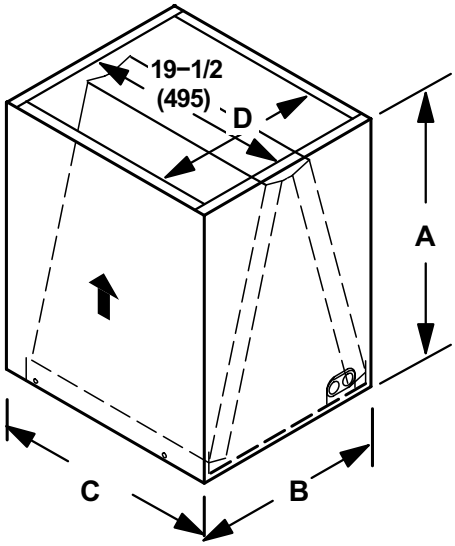
LENNOX QUANTUM COIL

LIMITED WARRANTY

- All covered components - Five years

NOTE - 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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RESIDENTIAL PRODUCT CATALOG

Upflow - Cased - Quantum™ Coil
1.5 to 5 Tons

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- 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 with thick fiberglass insulation

Coil Match-Up

- All C35 cased upflow indoor coils match furnaces with same letter designation in model number

LENNOX QUANTUM™ COIL

LIMITED WARRANTY

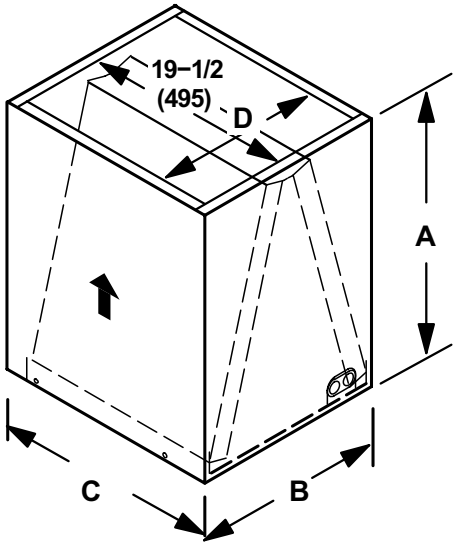
- All covered components - Five years

NOTE - 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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RESIDENTIAL PRODUCT CATALOG

Upflow - Uncased - Quantum™ Coil
1.5 to 5 Tons

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

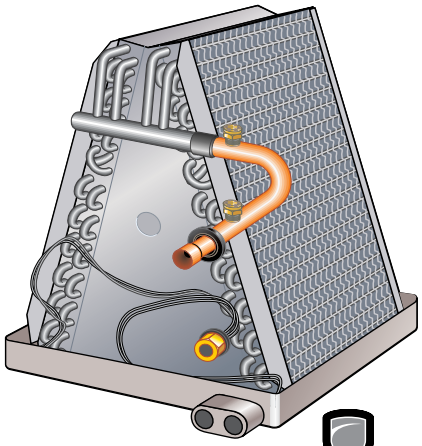
- Quantum™ Coil - Aluminum tubing, hairpins, distributor and header tubes
- Copper refrigerant sweat connections on both liquid and suction lines for easy brazing
- Ripple-edged aluminum fins
- Twin coil construction in an "A" configuration for large surface area
- UV-resistant polymer drain pan with 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

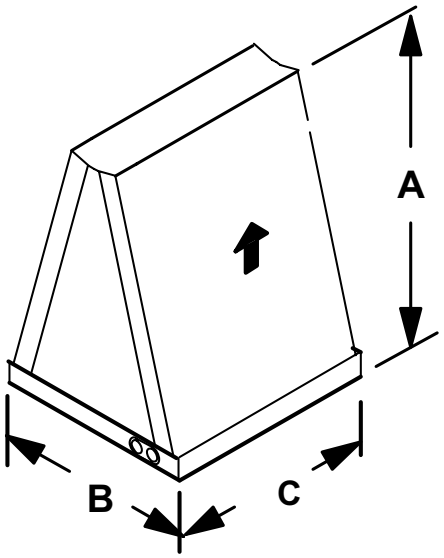
- All covered components - Five years

NOTE - 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	21-1/2	546	21-1/4	540
C35-50/60C	25-7/8	657	20	508	21-1/4	540
C35-60C	30-5/8	778	21-1/2	546	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

AHRI CERTIFIED www.ahridirectory.org — Unitary Small AC, AHRI Standard 210/240 — Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED www.ahridirectory.org — Unitary Small HP, AHRI Standard 210/240 — Certification applies only when the complete system is listed with AHRI.

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RESIDENTIAL PRODUCT CATALOG

Horizontal - Cased - R410A - Factory TXV - Quantum™ Coil
1.5 to 5 Tons

January 2022
Supersedes July 2021

LENNOX QUANTUM™ COIL

FEATURES

Refrigerant System

- 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 furnished

Cabinet

- Pre-painted cabinet finish
- Fully insulated with thick fiberglass insulation

Coil Match-Up

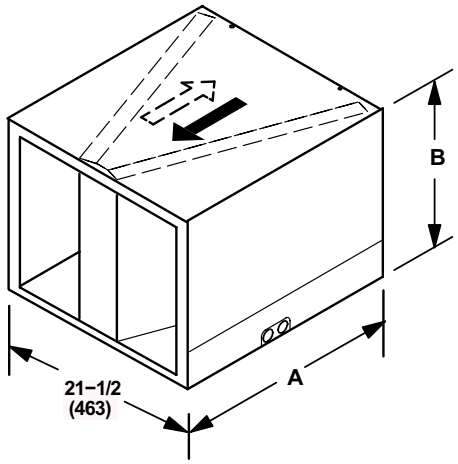
- All CHX35 cased horizontal indoor coils match furnaces with same letter designation in model number

LIMITED WARRANTY

- All covered components - Five years

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

DIMENSIONS



Model No.	A		B		Supply Opening				Return Opening			
					Height		Width		Height		Width	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CHX35-18A-6F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CHX35-24A-6F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CHX35-24B6F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CHX35-30A-6F	31-1/2	800	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CHX35-30B-6F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CHX35-36A-6F	26-1/2	673	14-1/2	368	13	330	20	508	13-3/8	340	20-3/8	518
CHX35-36B-6F	26-1/2	673	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CHX35-36C-6F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CHX35-42B-6F	31-1/2	800	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CHX35-42C-6F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CHX35-48B-6F	31-1/2	800	17-1/2	444	16	406	20	508	16-3/8	416	20-3/8	518
CHX35-48C-6F	26-1/2	673	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CHX35-51C-6F	31-1/2	800	21	533	19-1/2	495	20	508	19-7/8	505	20-3/8	518
CHX35-60D-6F	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.	CHX35 -18A-6F	CHX35 -24A-6F	CHX35 -24B-6F	CHX35 -30A-6F	CHX35 -30B-6F	CHX35 -36A-6F	CHX35 -36B-6F
	Nominal size - tons	1.5	2	2	2.5	2.5	3	3
	Factory installed expansion valve	**12J18**	**12J18**	**12J18**	**12J18**	**12J18**	**12J19**	**12J19**
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
Matching Lennox Furnace - Cabinet Width Designation		A	A	B	A	B	A	B
Coil & Furnace Cabinet Height - in.		14-1/2	14-1/2	17-1/2	14-1/2	17-1/2	14-1/2	17-1/2
Shipping Data - lbs.		44	46	50	56	54	48	49

SPECIFICATIONS 3 TO 5 TON

General Data	Model No.	CHX35 -36C-6F	CHX35 -42B-6F	CHX35 -42C-6F	CHX35 -48B-6F	CHX35 -48C-6F	CHX35 -51/61C-6F	CHX35 -60D-6F
	Nominal size - Tons	3	3.5	3.5	3.5/4	3.5/4	4/5	5
	Factory installed expansion valve	**12J19**	**12J20**	**12J20**	**12J20**	**12J20**	**12J20**	**12J20**
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
Matching Lennox Furnace - Cabinet Width Designation		C	B	C	B	C	C	D
Coil & Furnace Cabinet Height - in.		21	17-1/2	21	17-1/2	21	21	24-1/2
Shipping Data - lbs.		56	67	67	61	60	70	79

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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Unitary Small HP
AHRI Standard 210/240
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RESIDENTIAL PRODUCT CATALOG

Horizontal - Cased - Quantum™ Coil
1.5 to 5 Tons

January 2022
Supersedes July 2021

LENNOX QUANTUM™ COIL

FEATURES

Refrigerant System

- 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
- Optional expansion valve is required

Cabinet

- Pre-painted 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

LIMITED WARRANTY

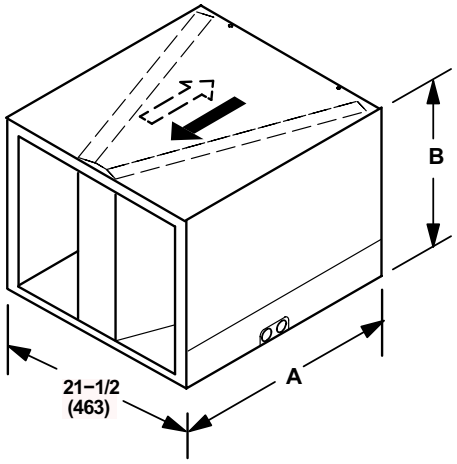
- All covered components - Five years

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

ACCESSORIES

- Expansion Valve Kits (required)

DIMENSIONS



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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AHRI Standard 210/240
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Unitary Small HP
AHRI Standard 210/240
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RESIDENTIAL PRODUCT CATALOG

Horizontal - Cased
1.5 to 5 Tons
Page 11
January 2022
Supersedes July 2021

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 with thick fiberglass insulation

LIMITED WARRANTY

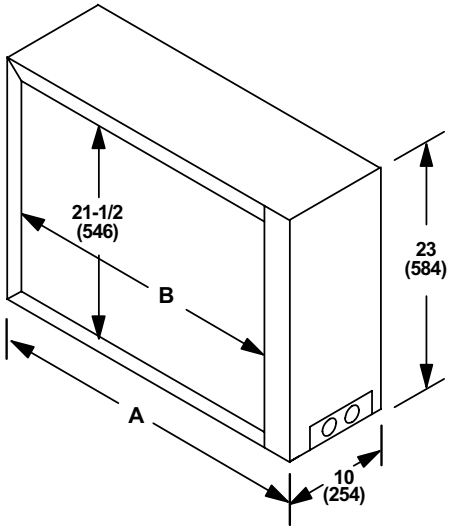
- All covered components - Five years

NOTE - 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

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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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AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

c UL us LISTED

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RESIDENTIAL PRODUCT CATALOG

Downflow - Cased
1.5 to 5 Tons
Page 13
January 2022
Supersedes July 2021

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 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

LIMITED WARRANTY

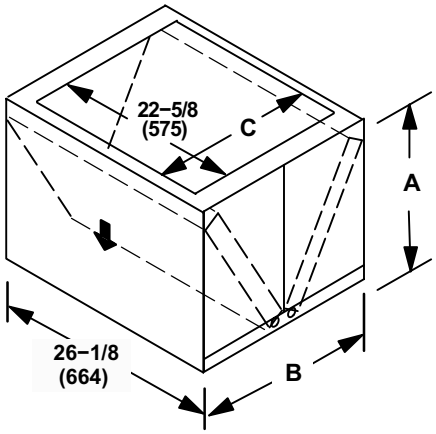
- All covered components - Five years

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

ACCESSORIES

- Expansion Valve Kits

DIMENSIONS



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

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

c UL us LISTED

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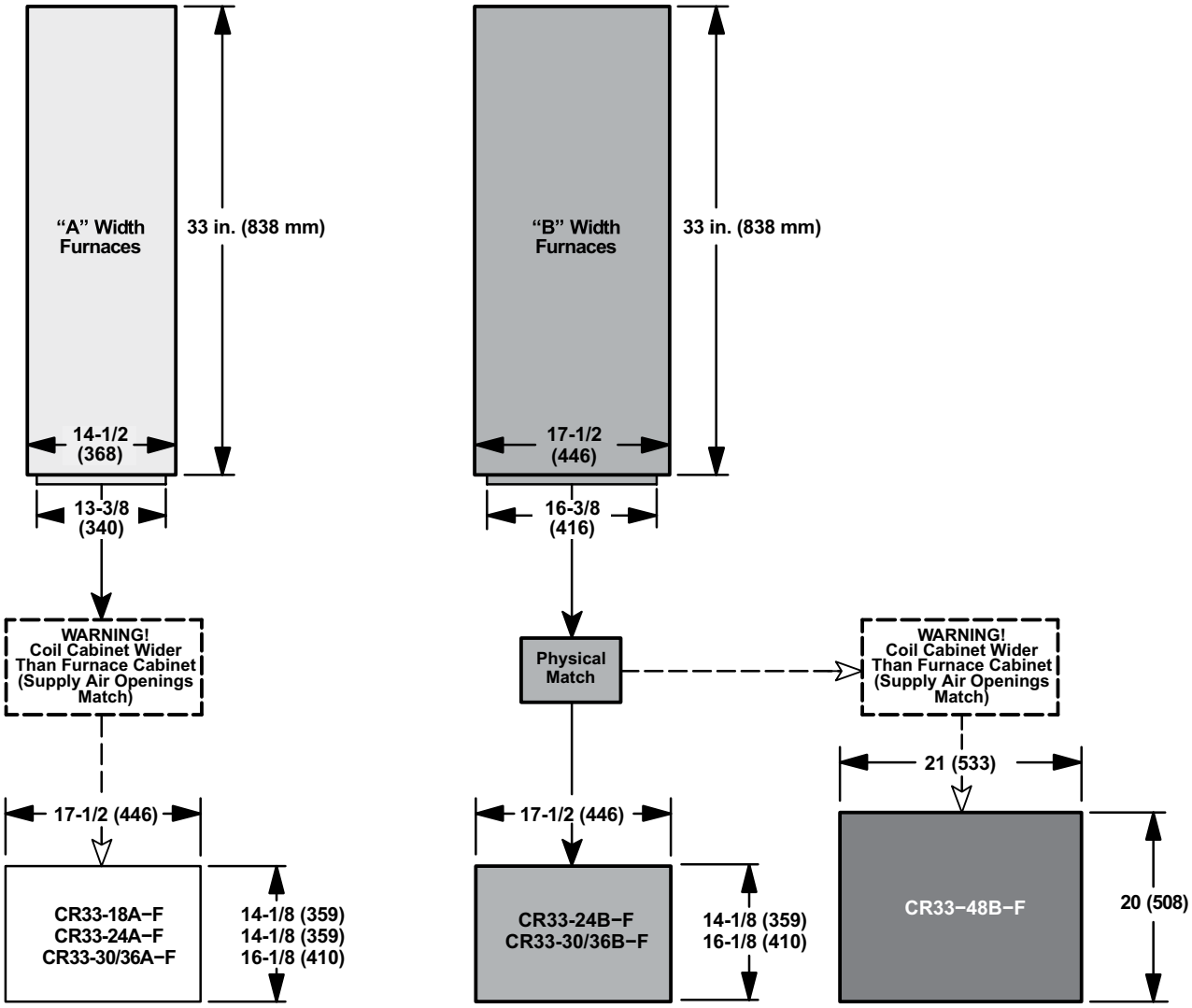
DOWNFLOW GAS FURNACES - CR33 COILS

(Note – Coil opening will physically match the furnace supply air opening with the same letter designation in the model number.



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DOWNFLOW GAS FURNACES - CR33 COILS

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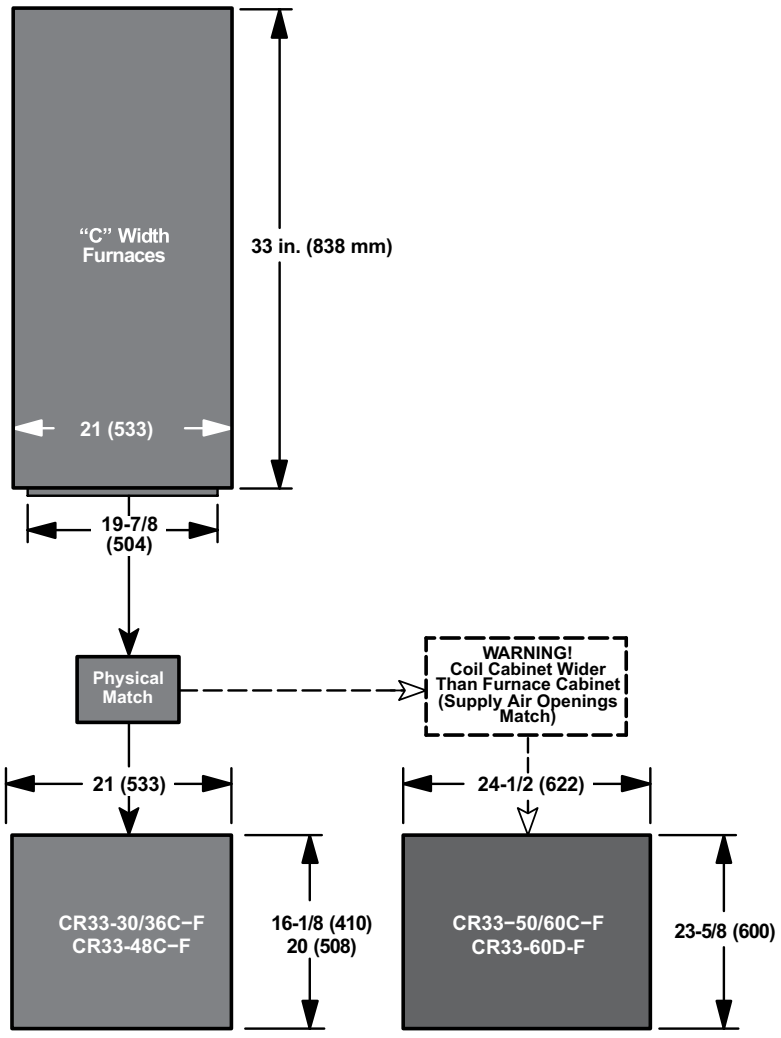

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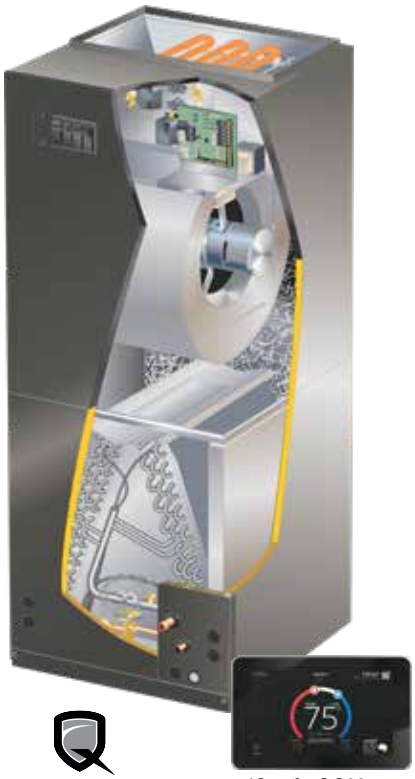
RESIDENTIAL PRODUCT CATALOG

Multi-Position - R-410A - Variable Speed Blower
1.5 to 5 Tons
Optional Electric Heat - 4 to 25 kW

Page 1
January 2022
Supersedes July 2021



LENNOX QUANTUM™ COIL

iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Not furnished)

FEATURES

Refrigerant System

- 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

iComfort® Communicating Controls

- iComfort® Control communicates information about the furnace to the optional *iComfort® S30* thermostat

iComfort. So simple. So smart. So comfortable.

- 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

Cabinet

- Multi-Position Capability
- Pre-painted finish
- Fully insulated 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

NOTE - 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 12

Cabinet

- Downflow Additive Base
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

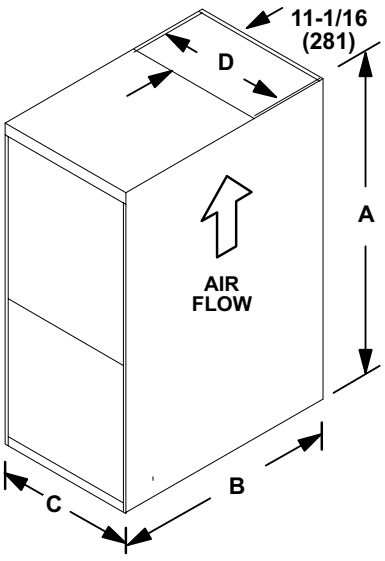
- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Hot Water Heat Kit
- iHarmony® Zoning System

Electric Heat

- See page 9

- Electric Heat - 4 to 25 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box

DIMENSIONS



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SPECIFICATIONS

General Data	Model Number	CBA38MV-018/024	CBA38MV-030	CBA38MV-036
	Nominal tonnage	1.5 to 2	2.5	3
	Factory Installed Expansion Valve	**12J18**	**12J18**	**12J19**
	Refrigerant	R-410A	R-410A	R-410A
Connections in.	Suction / vapor (o.d.) line - sweat	3/4	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
Indoor Coil	Net face area - ft.[2]	4.4	5.0	5.0
	Tube outside diameter - in.	3/8	3/8	3/8
	Number of rows	3	3	3
	Fins per inch	14	14	14
Blower Data	Wheel nominal diameter x width - in.	10 x 8	11 x 8	11 x 8
	Motor output - hp	1/2	1/2	1/2
Filters	[1] Number and size - in.	(1) 20 x 20 x 1	(1) 20 x 20 x 1	(1) 20 x 20 x 1
Shipping Data - 1 Package - lbs.		141	154	159
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

SPECIFICATIONS

General Data	Model Number	CBA38MV-042	CBA38MV-048	CBA38MV-060
	Nominal tonnage	3.5	4	5
	Factory Installed Expansion Valve	**12J20**	**12J20**	**12J20**
	Refrigerant	R-410A	R-410A	R-410A
Connections in.	Suction / vapor (o.d.) line - sweat	7/8	7/8	7/8
	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	8.33
	Tube outside diameter - in.	3/8	3/8	3/8
	Number of rows	3	3	3
	Fins per inch	14	14	14
Blower Data	Wheel nominal diameter x width - in.	12 x 9	12 x 9	12 x 9
	Motor output - hp	1	1	1
Filters	[1] Number and size - in.	(1) 20 x 24 x 1	(1) 20 x 24 x 1	(1) 20 x 24 x 1
Shipping Data - 1 Package - lbs.		189	189	199
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)	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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RESIDENTIAL PRODUCT CATALOG

Upflow / Horizontal - Quantum™ Coil - R410A
1.5 to 5 Tons
Optional Electric Heat - 2.5 to 25 kW

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- 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

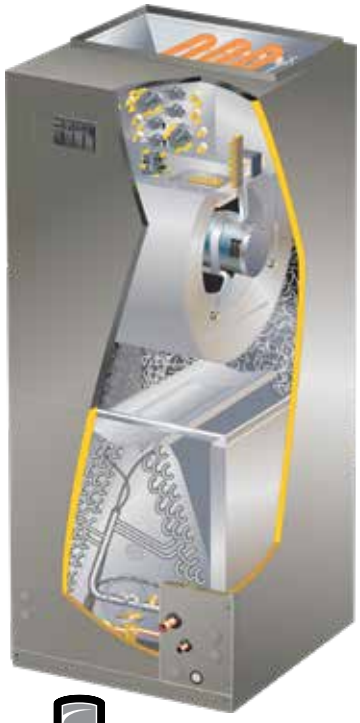
- High efficiency, multi-speed ECM (Electronically Commutated Motor) with electronic braking

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 finish
- Fully insulated 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



LENNOX QUANTUM™ COIL

LIMITED WARRANTY

- All covered components - Five Years

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

ACCESSORIES

- See page 12

Cabinet

- Downflow Additive Base
- Downflow Conversion Kit
- Healthy Climate® UVC Germicidal Light
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

- iComfort® E30 Smart Wi-Fi Thermostat

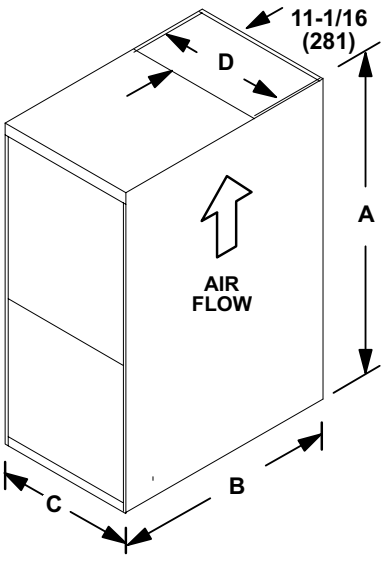
Electric Heat

- See page 10

- Electric Heat - 2.5 to 25 kW
- Circuit Breaker Cover Kit
- Single-Point Power Source Control Box

DIMENSIONS

		-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)



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SPECIFICATIONS

	Model Number	CBA27UHE-018	CBA27UHE-024	CBA27UHE-030	CBA27UHE-036
General Data	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

	Model Number	CBA27UHE-042	CBA27UHE-048	CBA27UHE-060
General Data	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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RESIDENTIAL PRODUCT CATALOG

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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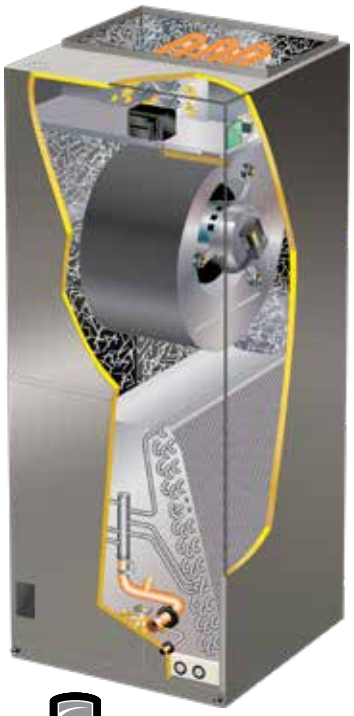


LENNOX QUANTUM™ COIL

FEATURES

Refrigerant System

- 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
- Anti-microbial dual position drain pans resist growth of mold and mildew. Microban® antimicrobial product protection
- 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 finish
- Fully insulated 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

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

ACCESSORIES

- See page 12

Cabinet

- Downflow Conversion Kit
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

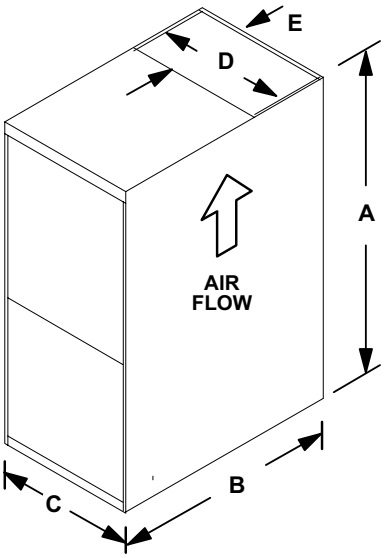
- iComfort® M30 Smart Wi-Fi Thermostat

Electric Heat

- See page 11
- Electric Heat - 2.5 to 20 kW
- Single-Point Power Source Control Box

DIMENSIONS

		-018	-024	-030	-036 -042	-048	-060
A		43-1/2 (1105)	45-1/2 (1156)	47 (1194)	53-5/8 (1362)	55 (1397)	59-3/4 (1518)
B		22 (559)	22 (559)	22 (559)	22 (559)	22 (559)	22 (559)
C		18-1/2 (470)	18-1/2 (470)	18-1/2 (470)	21-1/2 (546)	21-1/2 (546)	21-1/2 (546)
D		16-1/2 (419)	16-1/2 (419)	16-1/2 (419)	19-1/2 (495)	19-1/2 (495)	19-1/2 (495)
E		14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)
Return Air	Width	16-1/4 (413)	16-1/4 (413)	16-1/4 (413)	19-1/4 (495)	19-1/4 (495)	19-1/4 (495)
	Depth	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)



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SPECIFICATIONS

	Model Number	CBA25UHV-018	CBA25UHV-024	CBA25UHV-030	CBA25UHV-036
General Data	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
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
[1] **Filters**	Size of filter–in.	15 x 20 x 1	15 x 20 x 1	15 x 20 x 1	18 x 20 x 1
Shipping Data -1 package–lbs.		129	136	143	169

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

SPECIFICATIONS

	Model Number	CBA25UHV-042	CBA25UHV-048	CBA25UHV-060
General Data	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.	10 x 8	12 x 10	12 x 10
	Blower motor output–hp	3/4	1	1
[1] **Filters**	Size of filter–in.	18 x 20 x 1	18 x 20 x 1	18 x 20 x 1
Shipping Data -1 package–lbs.		169	179	190

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

[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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RESIDENTIAL PRODUCT CATALOG

Upflow / Horizontal - R410A
1.5 to 5 Tons
Optional Electric Heat - 2.5 to 20 kW
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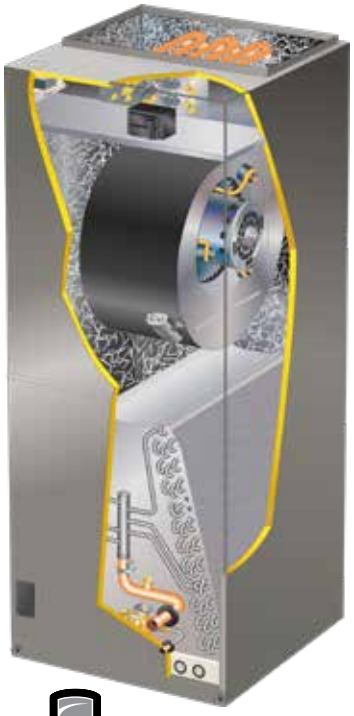
January 2022
Supersedes July 2021



LENNOX QUANTUM™ COIL

FEATURES

Refrigerant System

- 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
- 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 finish
- Fully insulated 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

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

ACCESSORIES

- See page 11

Cabinet

- Downflow Conversion Kit
- Horizontal Support Frame Kit
- Side Return Unit Stand (Upflow)
- Wall Hanging Bracket Kit (Upflow)

Controls

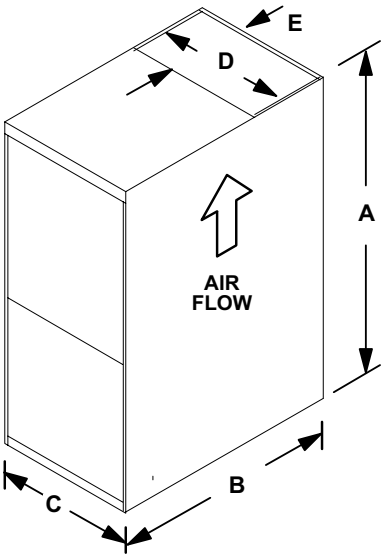
- iComfort® M30 Smart Wi-Fi Thermostat

Electric Heat

- See page 11
- Electric Heat - 2.5 to 20 kW
- Single-Point Power Source Control Box

DIMENSIONS

		-018	-024	-030	-036 -042	-048	-060
A		43-1/2 (1105)	45-1/2 (1156)	47 (1194)	53-5/8 (1362)	55 (1397)	59-3/4 (1518)
B		22 (559)	22 (559)	22 (559)	22 (559)	22 (559)	22 (559)
C		18-1/2 (470)	18-1/2 (470)	18-1/2 (470)	21-1/2 (546)	21-1/2 (546)	21-1/2 (546)
D		16-1/2 (419)	16-1/2 (419)	16-1/2 (419)	19-1/2 (495)	19-1/2 (495)	19-1/2 (495)
E		14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)	14-1/2 (368)
Return Air	Width	16-1/4 (413)	16-1/4 (413)	16-1/4 (413)	19-1/4 (495)	19-1/4 (495)	19-1/4 (495)
	Depth	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)	20-3/8 (518)



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SPECIFICATIONS

	Model Number	CBA25UH-018	CBA25UH-024	CBA25UH-030	CBA25UH-036
General Data	Nominal tonnage	1.5	2	2.5	3
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
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	1/2	1/3
[1] Filters	Size of filter - in.	15 x 20 x 1	15 x 20 x 1	15 x 20 x 1	18 x 20 x 1
Shipping Data -1 package - lbs.		129	136	143	169

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)	5.0	5.0	5.0	5.0
	Blower Motor Full Load Amps	1.1	1.6	1.6	2.0

SPECIFICATIONS

	Model Number	CBA25UH-042	CBA25UH-048	CBA25UH-060
General Data	Nominal tonnage	3.5	4	5
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.	10 x 8	12 x 10	12 x 10
	Blower motor output - hp	1/2	1	1
[1] Filters	Size of filter - in.	18 x 20 x 1	18 x 20 x 1	18 x 20 x 1
Shipping Data -1 package - lbs.		169	179	190

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)	5.0	9.5	9.5
	Blower Motor Full Load Amps	2.5	7.6	7.6

[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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CBA38MV OPTIONAL ELECTRIC HEAT - ORDER SEPARATELY

		Item	CBA38MV					
			-018/024	-030	-036	-042	-048	-060
208/240V-1ph - Terminal Block Models								
4 kW	ECB38-4	**16V86**	•	•		•	•	•
5 kW	ECB38-5	**16V88**	•	•	•	•	•	•
6 kW	ECB38-6	**16V90**	•	•	•	•	•	•
8 kW	ECB38-8	**16V92**	•	•	•	•	•	•
208/240V-1ph - Circuit Breaker Models								
4 kW	ECB38-4CB	**16V87**	•	•	•	•	•	•
5 kW	ECB38-5CB	**16V89**	•	•	•	•	•	•
6 kW	ECB38-CB6	**16V91**	•	•	•	•	•	•
8 kW	ECB38-8CB	**16V93**	•	•	•	•	•	•
9 kW	ECB38-9CB	**16V94**	•	•	•	•	•	•
12.5 kW	ECB38-12.5CB	**16V95**		•	•	•	•	•
15 kW	ECB38-15CB	**16V96**		•	•	•	•	•
20 kW	ECB38-20CB	**16V97**			•	•	•	•
25 kW	ECB38-25CB	**16V98**					•	•

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CBA27UHE OPTIONAL ELECTRIC HEAT - ORDER SEPARATELY

		Item	CBA27UHE						
			-018	-024	-030	-036	-042	-048	-060
208/240V-1ph - Terminal Block Models									
2.5 kW	ECB29-2.5	**19F02**	•						
4 kW	ECB29-4	**19F03**	•	•	•	•	•	•	•
5 kW	ECB29-5	**19F04**	•	•	•	•	•	•	•
6 kW	ECB29-6	**19F06**	•	•	•	•	•	•	•
8 kW	ECB29-8	**19F07**	•	•	•	•	•	•	•
10 kW	ECB29-10	**19F08**	•	•	•	•			
208/240V-1ph - Circuit Breaker Models									
4 kW	ECB29-4CB	**19F09**	•	•	•	•	•	•	•
5 kW	ECB29-5CB	**19F12**	•	•	•	•	•	•	•
6 kW	ECB29-6CB	**19F14**	•	•	•	•	•	•	•
8 kW	ECB29-8CB	**19F15**	•	•	•	•	•	•	•
9 kW	ECB29-9CB	**19F16**	•	•	•	•	•	•	•
10 kW	ECB29-10CB	**19F18**	•	•	•	•			
12.5 kW	ECB29-12.5CB	**19F19**			•	•	•	•	•
15 kW	ECB29-15CB	**19F20**			•	•	•	•	•
20 kW	ECB29-20CB	**19F21**				•	•	•	•
25 kW	ECB29-25CB	**19F22**					•	•	•
208/240V-3ph - Terminal Block Models									
8 kW	ECB29-8	**19F24**			•	•	•	•	•
10 kW	ECB29-10	**19F27**			•	•	•	•	•
208/240V-3ph - Circuit Breaker Models									
15 kW	ECB29-15CB	**19F28**			•	•	•	•	•
20 kW	ECB29-20CB	**19F29**				•	•	•	•
25 kW	ECB29-25CB	**19F30**					•	•	•
460V-3ph - Terminal Block Models									
10 kW	ECB29-10	**19F31**				•		•	•
15 kW	ECB29-15	**19F32**				•		•	•
20 kW	ECB29-20	**19F33**						•	•
25 kW	ECB29-25	**19F34**						•	•
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	**19F35**						•	•
25 kW	ECB29-25	**19F36**						•	•

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CBA25UH / CBA25UHV OPTIONAL ELECTRIC HEAT - ORDER SEPARATELY

	Model	CBA25UH / CBA25UHV						
		-018	-024	-030	-036	-042	-048	-060
208/240V-1ph - Terminal Block Models								
4 kW	ECBA25-4 **19V31**	•	•	•	•	•	•	•
5 kW	ECBA25-5 **16Y36**	•	•	•	•	•	•	•
7.5 kW	ECBA25-7.5 **16Y37**	•	•	•	•	•	•	•
10 kW	ECBA25-10 **16Y38**	•	•	•	•	•	•	•
208/240V-1ph - Circuit Breaker Models								
4 kW	ECBA25-4CB **19V32**	•	•	•	•	•	•	•
5 kW	ECBA25-5CB **16Y39**	•	•	•	•	•	•	•
7.5 kW	ECBA25-7.5CB **16Y41**	•	•	•	•	•	•	•
10 kW	ECBA25-10CB **16Y42**	•	•	•	•	•	•	•
12.5 kW	ECBA25-12.5CB **16Y43**			•	•	•	•	•
15 kW	ECBA25-15CB **16Y44**			•	•	•	•	•
20 kW	ECBA25-20CB **16Y46**						•	•

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OPTIONAL ACCESSORIES

Item		CBA38MV					
		-018/024	-030	-036	-042	-048	-060
Circuit Breaker Cover Kit	**82W01**	•	•	•	•	•	•
Discharge Air Sensor (For EvenHeater Applications)	**88K38**	•	•	•	•	•	•
Downflow Additive Flooring Base	**44K15**	•	•	•	•	•	•
Horizontal Support Frame Kit	**56J18**	•	•	•	•	•	•
Hot Water Heat Kit	**90W84**	•	•	•	•	•	•
iComfort® S30 Ultra-Smart Wi-Fi Thermostat	**19V30**	•	•	•	•	•	•
Side Return Unit Stand (Upflow Only)	**45K32**	•	•	•	•	•	•
Single Point Power Source Control Box (2 or 3 circuits)	**21H39**	•	•	•	•	•	•
Wall Hanging Bracket Kit (Upflow Only)	**45K30**	•	•	•	•	•	•

OPTIONAL ACCESSORIES

Model		CBA27UHE						
		-018	-024	-030	-036	-042	-048	-060
Circuit Breaker Cover Kit	**82W01**	•	•	•	•	•	•	•
Dehumidification Relay Kit	**26W62**	•	•	•	•	•	•	•
Downflow Additive Flooring Base	**44K15**	•	•	•	•	•	•	•
Downflow Conversion Kit	**83M57**	•	•	•	•	•	•	•
Healthy Climate® UVC-24V (24V)	**X9423**	•	•	•	•	•	•	•
UVC Germicidal Light UVC-41W-S (110/230V-1 ph)	**X9424**	•	•	•	•	•	•	•
Shielding Baffle (required)	**X9900**	•	•	•	•	•	•	•
Horizontal Support Frame Kit	**56J18**	•	•	•	•	•	•	•
Side Return Unit Stand (Upflow Only)	**45K32**	•	•	•	•	•	•	•
Single Point Power Source Control Box (2 or 3 circuits)	**21H39**	•	•	•	•	•	•	•
Wall Hanging Bracket Kit (Upflow Only)	**45K30**	•	•	•	•	•	•	•

OPTIONAL ACCESSORIES

Model		CBA25UHV							CBA25UH						
		-018	-024	-030	-036	-042	-048	-060	-018	-024	-030	-036	-042	-048	-060
Downflow Conversion Kit	**Y9658**	•	•	•					•	•	•				
	Y9659				•	•	•	•				•	•	•	•
Horizontal Support Frame Kit	**56J18**	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Side Return Unit Stand (Upflow Only)	**45K32**	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Single Point Power Source Control Box (2 or 3 circuits)	**21H39**	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Wall Hanging Bracket Kit (Upflow Only)	**45K30**	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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RESIDENTIAL PRODUCT CATALOG

Multi-Zone Heat Pump System - R-410A
SEER - Up to 23.00
HSPF - Up to 10.6

January 2022
Supersedes July 2021

FEATURES

OUTDOOR UNITS

Zoning

- Up to five indoor units (five zones) can 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
- Floor Mount Console
- 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, floor console or ceiling/floor mount unit if desired.

LIMITED WARRANTY

- Compressor - Seven years
- All covered components - Five years

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

DIMENSIONS

- See page 11

ACCESSORIES

- See page 7

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Controls

- Wired Programmable Controller

Indoor Unit

- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Accessories

- Speedichannel™ System

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SPECIFICATIONS - MPB OUTDOOR UNITS — 1.5 - 2.5 TON

			1.5	2.5
Nominal Size - Tons			**1.5**	**2.5**
Outdoor Unit Model No.			**MPB018S4M**	**MPB030S4M**
Number of Zones			**2**	**Up to 3**
Ambient Temperature Range - °F		Cooling	–13 - 122	–13 - 122
		Heating	–13 - 86	–13 - 86
Sound Data (dBA)		Cooling	62	63
		Heating	62	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
[1] Maximum Overcurrent Protection (amps)	25	35
[2] 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 - 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.

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.

HRAI MEMBER COMPANY

AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

C ETL LISTED US Intertek

Energy ENERGY STAR

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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**
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
	[1] Maximum Overcurrent Protection (amps)		45	50
	[2] 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 - 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.

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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AHRI RATINGS

Outdoor Unit Model No.	Number of Zones	System Type	Cooling Btuh	High Temperature Heating Btuh	Low Temperature Heating Btuh	SEER	EER	HSPF (Region IV)	AHRI Reference Number	Energy Star
MPB018S4M	2	Ducted	18,000	18,500	11,500	18.5	11.8	10	203343590	No
		Non-Ducted	18,000	19,000	12,000	22.5	12.5	10.3	203343586	Yes
		Mixed Ducted and Non-Ducted	17,500	18,200	11,550	19.8	12.15	9.85	203343591	Yes
MPB030S4M	Up to 3	Ducted	28,000	28,000	16,200	21	11	10	203343592	No
		Non-Ducted	28,000	28,000	17,600	23	12.5	10.3	203343587	Yes
		Mixed Ducted and Non-Ducted	27,400	27,400	17,700	20.7	11.25	10.4	203343593	Yes
MPB036S4M	Up to 4	Ducted	36,000	37,000	23,000	21	10	10	204330672	No
		Non-Ducted	36,000	36,000	24,600	22.5	11.5	10.2	10062014	No
		Mixed Ducted and Non-Ducted	36,000	36,200	24,600	20.47	10.5	9.97	202119244	Yes
MPB048S4M	Up to 5	Ducted	49,000	50,000	34,000	20.5	10.1	11.5	204330669	No
		Non-Ducted	48,000	48,000	29,600	22.4	12.5	10.2	201771986	Yes
		Mixed Ducted and Non-Ducted	48,000	49,000	32,200	20.17	10.9	10.6	202119245	Yes

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 210/240 with Addenda 1 and 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.

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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
Room Temperature Range (°F) 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
Room Temperature Range (°F) 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
Room Temperature Range (°F) 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 FLOOR MOUNT CONSOLE INDOOR UNITS

Model No.	MFMA012S4
Nominal Tons	1
Power Supply - 60 Hz - 1 phase	208/230V
Rated load amps	1
Output (W)	20
Room Temperature Range (°F) Cooling	62 - 90
Room Temperature Range (°F) Heating	32 - 86
Air Volume - cfm (High/Medium/Low)	365/318/248
Sound Data (dBA) - Low/Medium/High	35/40/45
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 1/2
Drain connection o.d. - in.	5/8
Net/Shipping weights - lbs.	33 / 43

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
Room Temperature Range (°F) 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	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	M9GARD15Q-1	**15D26**			•		N/A		
	M9GARD17Q-1	**15D28**			N/A		•	•	N/A
	M9GARD18Q-1	**15D29**			N/A		N/A		•
Line Sets	1/4 in. x 3/8 in. x 25 ft.	**90X53**	N/A		•	N/A	•	•	•
	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	**X1727**			•		N/A		
	36 inch	**X1728**			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 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**	•	•	•	•			
[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, floor console 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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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	- - -	- - -
		012	012	024	- - -	- - -	8,000	8,000	20,000	- - -	- - -	9,000	9,000	21,000	- - -	- - -
	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	- - -

[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.

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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.

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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.

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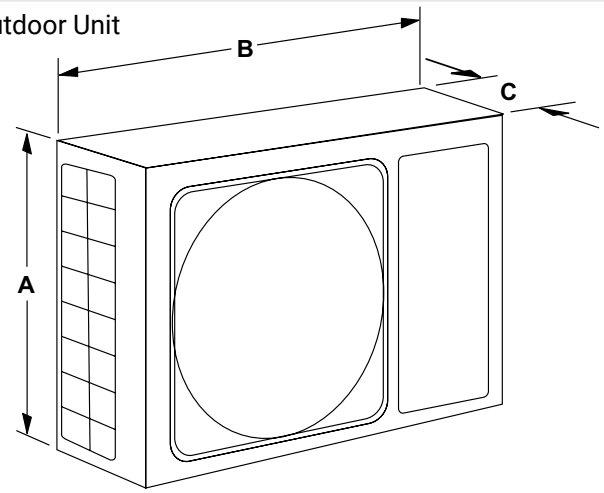
DIMENSIONS

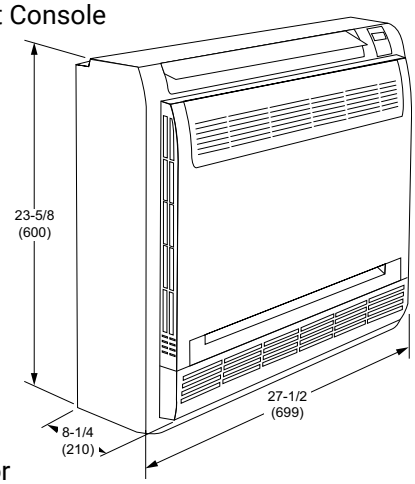
Outdoor Unit



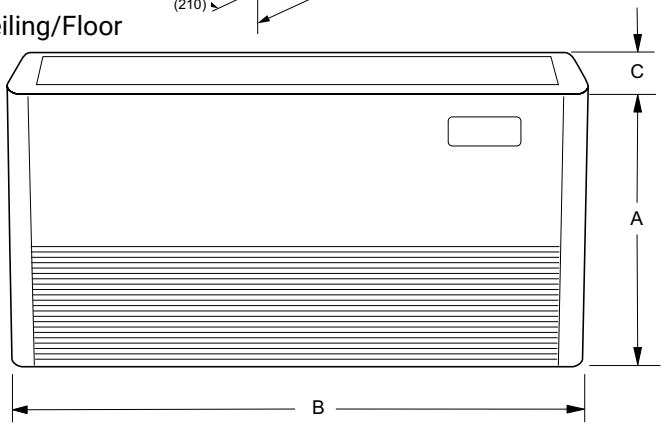
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MPB018S4M	27-5/8	702	36	914	15	381
MPB030S4M, MPB036S4M	31-7/8	810	40-5/8	1032	17-7/8	454
MPB048S4M	52-1/2	1334	41-3/4	1060	16-3/8	416

NOTE - MPB048 has two fans.

Floor-Mount Console

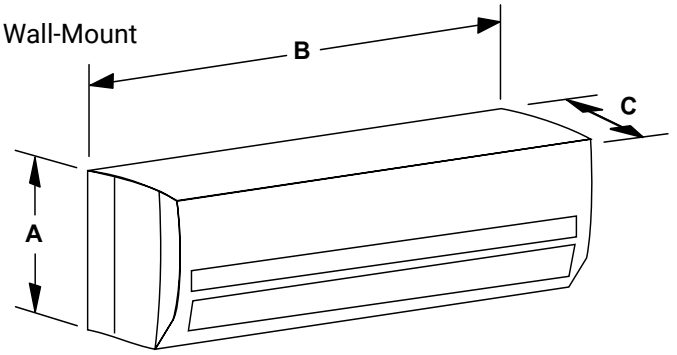


Ceiling/Floor



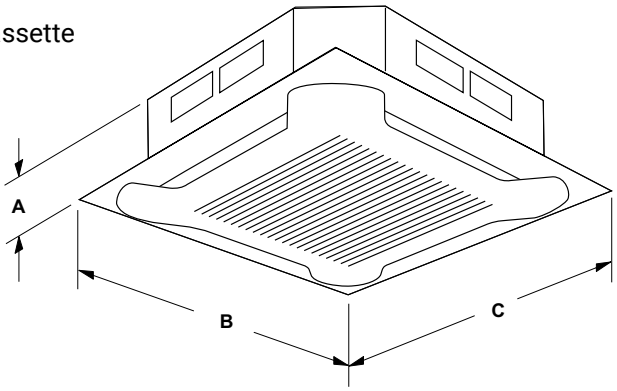
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235

Wall-Mount



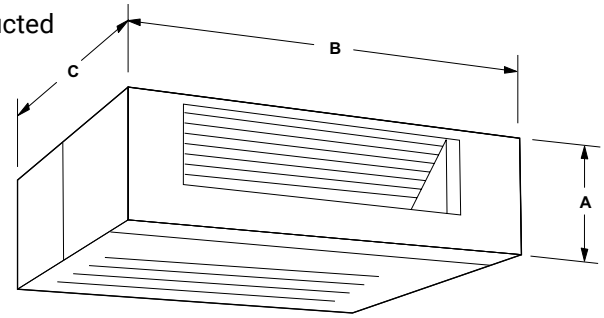
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA009S4, MWMA012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4	13-1/2	343	46-3/4	1187	10-1/4	260

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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RESIDENTIAL PRODUCT CATALOG

Single-Zone Heat Pump System - R-410A
SEER - Up to 23.50
HSPF - Up to 11.5

January 2022
Supersedes July 2021

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
- Floor-Mount Console
- 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, floor console or ceiling/floor mount unit if desired..

LIMITED WARRANTY

- Compressor - Seven years
- All covered components - Five years

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

DIMENSIONS

- See page 22

ACCESSORIES

- See page 21

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Controls

- Wired Programmable Controller

Indoor Unit

- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Accessories

- 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	3
	Fins per inch	21 (115V) 18 (208/230V)	21	18
	Fin type	Hydrophilic aluminum		
	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	0.4	0.6
	Output - W	40	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.

HRAI MEMBER COMPANY

AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

C ETL CM US LISTED Intertek

Energy ENERGY STAR

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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 aluminum			
	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.

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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	MPB012S4S-1L	MWMB012S4-1L	12,000	22.0	13.0	12,000	7,600	10.2	10056168
	MPB012S4S-1L	MWMB012S4-2L	12,000	22.0	13.0	12,000	7,600	10.2	201796629
	MPB009S4S-1P	MWMA009S4-2P	9,000	23.5	14.9	9,800	5,800	10.8	10056170
	MPB009S4S-1P	MWMA009S4-3P	9,000	23.5	14.9	9,800	5,800	10.8	201796630
	MPB012S4S-1P	MWMA012S4-2P	12,000	22.7	13.7	12,000	7,700	11	10056172
	MPB012S4S-1P	MWMA012S4-3P	12,000	22.7	13.7	12,000	7,700	11	201796631
	MPB018S4S-1P	MWMA018S4-2P	18,000	21.0	13.0	18,000	11,400	10.4	10056174
	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
Floor Mount Console Non-Ducted	MPB012S4S-1P	MFMA012S4	12,000	20.50	13.0	12,000	7,200	10	206188242
Medium Static Ducted	MPB009S4S-1P	MMDB009S4-2P	9,000	20.50	13.5	10,000	6,800	11.50	10528563
	MPB012S4S-1P	MMDB012S4-2P	12,000	21.50	12.5	12,000	7,200	11.50	10528564
	MPB018S4S-1P	MMDB018S4-2P	18,000	19.00	12.5	18,000	12,000	10.50	10528565
	MPB024S4S-1P	MMDB024S4-2P	24,000	21.50	12.5	24,400	16,000	11.00	10528566
	MPB036S4S-1P	MMDB036S4-1P	36,000	16.50	9.0	40,000	27,600	11.50	10528567
	MPB048S4S-1P	MMDB048S4-1P	48,000	17.40	9.2	49,500	33,400	10.30	10528568

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.

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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
Room Temperature Range (°F) 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	208/230V
Rated load amps	0.13	0.3	0.5
Output (W)	58	60	60
Room Temperature Range (°F) Cooling	62 - 90	62 - 90	62 - 90
Room Temperature Range (°F) Heating	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)	530/410/295	695/625/485	795/645/500
Sound Data (dBA) - Low/Medium/High	30.9/36.3/46.2	35.1/44.5/51.7	37.5/42/49
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8
Drain connection o.d. - in.	1	1	1
Net/Shipping weights - lbs.	27 / 35	40 / 54	40 / 51

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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

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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
Room Temperature Range (°F) 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

SPECIFICATIONS FLOOR MOUNT CONSOLE INDOOR UNITS

Model No.	MFMA012S4
Nominal Tons	1
Power Supply - 60 Hz - 1 phase	208/230V
Rated load amps	1
Output (W)	20
Room Temperature Range (°F) Cooling	62 - 90
Room Temperature Range (°F) Heating	32 - 86
Air Volume - cfm (High/Medium/Low)	365/318/248
Sound Data (dBA) - Low/Medium/High	35/40/45
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 1/2
Drain connection o.d. - in.	5/8
Net/Shipping weights - lbs.	33 / 43

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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	62 - 90
Room Temperature Range (°F) Heating	32 - 86	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	62 - 90
Room Temperature Range (°F) Heating	32 - 86	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

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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	M9GARD14Q-1	**15D25**	•	•	N/A				
	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	**X1727**	•	•	•	•	N/A		
	36 inch	**X1728**	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 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	•	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			•	•	•	N/A
	MegaBlue® - 13.2 US gallons per hour, 23 ft. lift - 110v-230V	**14T71**	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, floor console 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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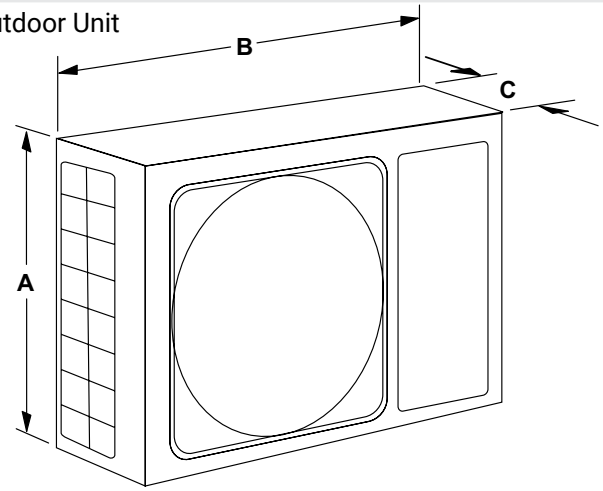
DIMENSIONS

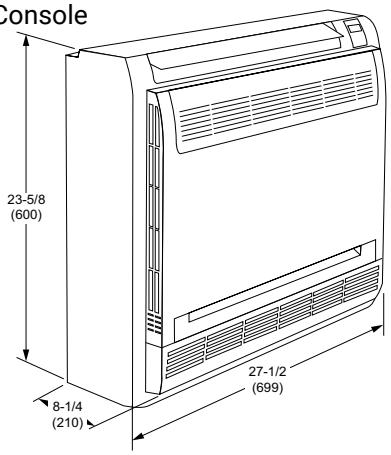
Outdoor Unit



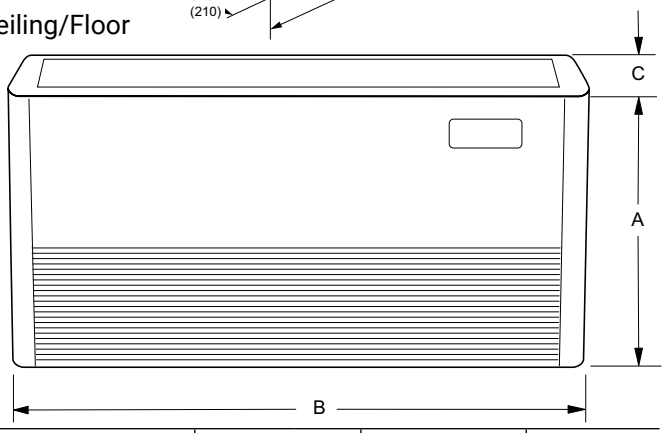
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MPB009S4S (115V), MPB012S4S	21-7/8	556	34-1/4	870	14-3/8	365
MPB009S4S (230V)	21-7/8	556	33-1/8	841	12-5/8	321
MPB018S4S	27-1/2	699	33-1/4	845	13	330
MPB024/30/36S4S	31-7/8	810	37-1/4	946	17-7/8	454
MPB048S4S	52-1/2	1334	41-1/8	1045	16-3/8	416

NOTE - MPB048 has two fans.

Floor-Mount Console

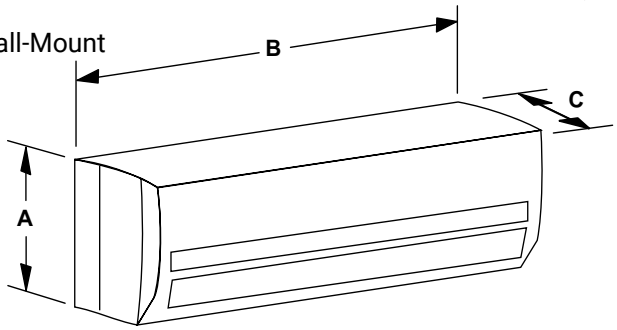


Ceiling/Floor



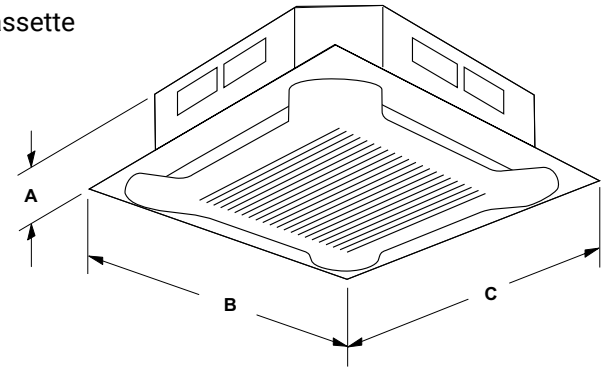
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235
MCFA036S4	26-5/8	676	50-5/8	1286	9-1/4	235
MCFA048S4	26-5/8	676	65	1651	9-1/4	235

Wall-Mount



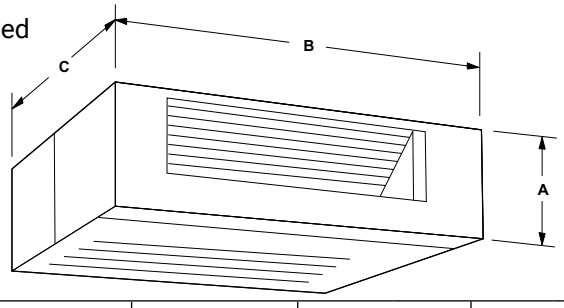
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA/B009S4, MWMA/B012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4, MWMA030S4	13-1/2	343	46-3/4	1187	10-1/4	260

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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RESIDENTIAL PRODUCT CATALOG

Multi-Zone Low Ambient Heat Pump System - R-410A
SEER - Up to 22.00
HSPF - Up to 12.5
Page 23
January 2022
Supersedes July 2021

FEATURES

OUTDOOR UNITS

Zoning
- Up to four indoor units (four zones) can 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
- Floor Mount Console
- 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 Controller** - Furnished with Wall-Mount, Cassette, Floor Console and Ceiling/Floor Indoor Units
- **Wired Remote Controller** - 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, floor console or ceiling/floor mount unit if desired.

LIMITED WARRANTY
- Compressor - Seven years
- All covered components - Five years

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

DIMENSIONS
- See page 31

ACCESSORIES
- See page 28

Outdoor Unit
- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Controls
- Wired Programmable Controller

Indoor Unit
- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Accessories
- Speedichannel™ System

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SPECIFICATIONS — MLA OUTDOOR UNITS

Nominal Size - Tons		**1.5**	**2.5**	**3**	**4**
Outdoor Unit Model No.		**MLA018S4M**	**MLA030S4M**	**MLA036S4M**	**MLB048S4M**
Number of Zones		**2**	**Up to 3**	**Up to 4**	**Up to 5**
Ambient Temperature Range - °F	Cooling	–22 - 122	–22 - 122	–22 - 122	–22 - 122
	Heating	–22 - 86	–22 - 86	–22 - 86	–22 - 86
Sound Data (dBA)	Cooling	63.4	62.3	64	64
	Heating	63.4	62.3	64	64
Refrigerant	Charge furnished (R-410A)	6 lbs. 3 oz.	6 lbs. 10 oz.	10 lbs. 2 oz.	10 lbs. 3 oz.
	Maximum line length with furnished charge (per zone) - ft.	25	25	25	25
	Additional charge required per ft. - oz.	0.16	0.16	0.32	0.16 (1/4 in.) / 0.32 (3/8 in.)
Compressor	No. and Type	Rotary	Rotary	Twin-Rotary	Rotary
	Refrigerant oil type	POE VG74	POE VG74	ESTER OIL VG74	Ester Oil VG74
	Refrigerant oil charge - oz.	22.7	33.8	47.3	49
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	(5) 1/4 + (3) 3/8 + (2) 1/2
	Maximum pipe length for all rooms - ft.	131	197	262	262
	Maximum pipe length for one indoor unit - ft.	82	98	98	115
	Max. height difference between indoor and outdoor units - ft.	49	49	49	49
	Max. height difference between indoor units - ft.	33	33	33	33
Outdoor Fan	(No.) Diameter - in.	20	20	(2) 22	(2) 22
	Total air volume - cfm	2130	2355	(2) 4470	4500
	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	800/700/600
Outdoor Coil	Number of rows	2	2	2	2
	Fins per inch	17	19	18	18
	Fin type	Hydrophilic aluminum			
	Tube outside diameter - in.	3/8	3/8	3/8	3/8
	Tube type	Rifled copper tubing			
	Net face area - ft.2	8.24	8.16	13.40	6.43+6.97
Design Pressure	PSIG	550/340	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.)	150 / 161	157 / 168	224 / 255	239 / 270
ELECTRICAL DATA					
Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V	208/230V	208/230V
[1] Maximum Overcurrent Protection (amps)		35	45	50	50
[2] Minimum circuit ampacity		25	30	35	35
Outdoor Fan Motor	Rated load amps	0.9	1.3	1.0	(2) 0.39
	Output - W	120	120	(2) 85	(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.

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.
036 - (3) 3/8 x 1/2 in. and (1) 1/2 x 3/8 in.

HRAI MEMBER COMPANY

AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

C ETL LISTED US Intertek

ENERGY STAR

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AHRI RATINGS

Outdoor Unit Model No.	Number of Zones	System Type	Cooling Btuh	High Temperature Heating Btuh	Low Temperature Heating Btuh	SEER	EER	HSPF (Region IV)	AHRI Reference Number	Energy Star?
MLA018S4M	2	Ducted	18,000	19,000	12,600	18	11	9.8	203343588	No
		Non-Ducted	19,000	20,000	12,600	21.5	12.5	9.8	203343585	Yes
		Mixed Ducted and Non-Ducted	18,300	19,000	12,333	18.77	11.6	9.4	203343589	No
MLA030S4M	Up to 3	Ducted	28,000	28,000	18,000	22	13	10.4	204330671	No
		Non-Ducted	28,000	28,000	18,000	22	13	10.4	201771988	Yes
		Mixed Ducted and Non-Ducted	27,600	28,600	17,300	20.65	11.95	9.98	202119247	Yes
MLA036S4M	Up to 4	Ducted	36,000	37,000	24,600	19	11.3	11	204330673	No
		Non-Ducted	36,000	36,000	23,200	21.5	13.5	10.5	201771989	Yes
		Mixed Ducted and Non-Ducted	35,600	36,200	24,066	19.17	11.87	10.23	202119248	Yes
MLB048S4M	Up to 5	Ducted	48,000	50,000	28,000	20.2	11.4	10.5	205747589	No
		Non-Ducted	48,000	49,000	30,000	21.5	11.6	10.3	205747588	No
		Mixed Ducted and Non-Ducted	48,000	49,500	29,000	20.85	11.75	10.4	205747590	No

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 210/240 with Addenda 1 and 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.

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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
Room Temperature Range (°F) 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
Room Temperature Range (°F) 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 FLOOR MOUNT CONSOLE INDOOR UNITS

	Model No.	MFMA012S4
	Nominal Tons	1
	Power Supply - 60 Hz - 1 phase	208/230V
	Rated load amps	1
	Output (W)	20
Room Temperature Range (°F)	Cooling	62 - 90
	Heating	32 - 86
	Air Volume - cfm (High/Medium/Low)	365/318/248
	Sound Data (dBA) - Low/Medium/High	35/40/45
	Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 1/2
	Drain connection o.d. - in.	5/8
	Net/Shipping weights - lbs.	33 / 43

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	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	M9GARD17Q-1	**15D28**			•		•	N/A	
	M9GARD18Q-1	**15D29**			N/A		N/A	•	•
Line Sets	1/4 in. x 3/8 in. x 25 ft.	**90X53**	N/A		•	N/A	•	•	•
	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	**X1727**			•		N/A		
	36 inch	**X1728**			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 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	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**	•	•	•	•	•	•	•
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**	•	•	•	•	•	•	•

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.

[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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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
MLA018S4M	2	009	009	- - -	- - -	- - -	9,500	9,500	- - -	- - -	- - -	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	- - -	- - -	9,333	9,333	9,333	- - -	- - -	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	- - -	- - -
MLA036S4M	2	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	- - -	- - -	- - -
		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	- - -	- - -
		009	018	024	- - -	- - -	7,500	13,000	18,000	- - -	- - -	8,000	13,500	18,500	- - -	- - -
		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	- - -	- - -
		012	018	024	- - -	- - -	8,000	13,000	18,000	- - -	- - -	9,000	13,500	18,500	- - -	- - -
	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	009	024	- - -	7,000	7,000	7,000	19,000	- - -	8,000	8,000	8,000	20,000	- - -
		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	009	012	024	- - -	7,000	7,000	8,500	17,500	- - -	8,000	8,000	9,000	18,000	- - -
		009	009	018	018	- - -	7,000	7,000	13,000	13,000	- - -	8,000	8,000	13,500	13,500	- - -
		009	012	012	012	- - -	7,000	10,000	10,000	10,000	- - -	8,000	10,500	10,500	10,500	- - -
		009	012	012	018	- - -	7,000	9,500	9,500	13,000	- - -	8,000	10,000	10,000	14,000	- - -
		012	012	012	012	- - -	9,500	9,500	9,500	9,500	- - -	10,000	10,000	10,000	10,000	- - -
		012	012	012	018	- - -	9,000	9,000	9,000	13,000	- - -	10,000	10,000	10,000	13,000	- - -

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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
MLB048S4M	2	009	024	- - -	- - -	- - -	9,500	24,000	- - -	- - -	- - -	10,000	25,000	- - -	- - -	- - -
		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	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	012	024	- - -	- - -	11,000	11,000	22,000	- - -	- - -	11,500	11,500	23,000	- - -	- - -
		012	018	018	- - -	- - -	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	- - -	- - -
	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	- - -
MLB048S4M	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	12,000
		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	15,500	15,500	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

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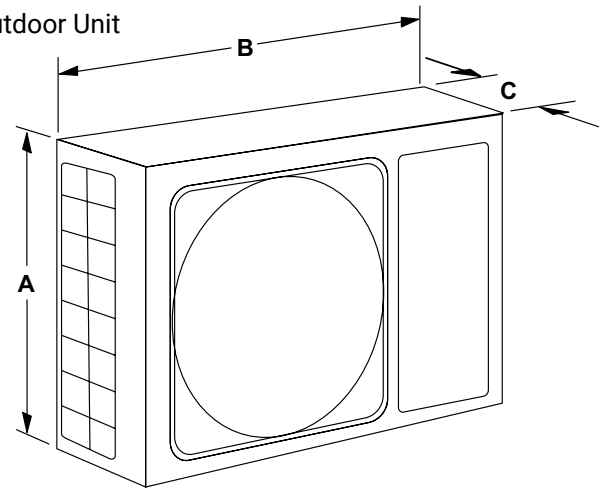
DIMENSIONS

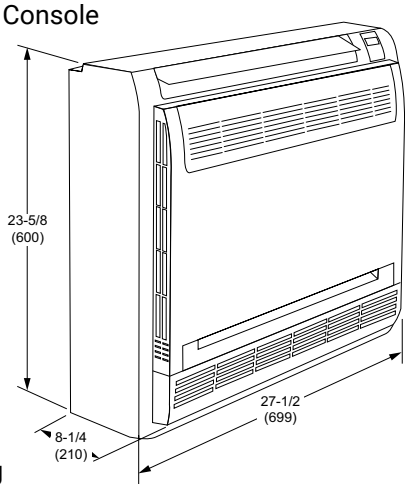
Outdoor Unit



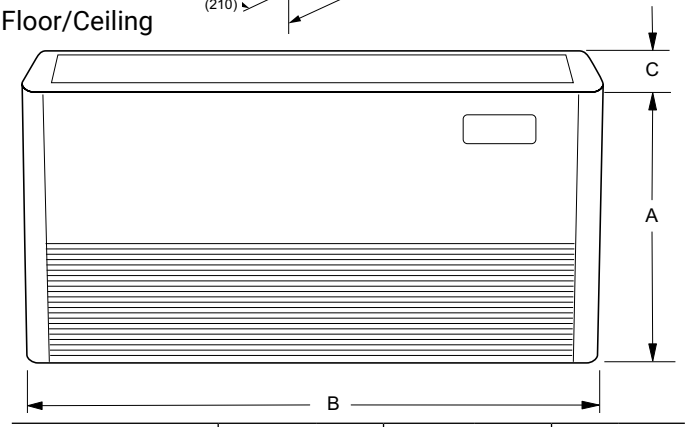
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MLA018S4M, MLA030S4M	31-7/8	810	40-5/8	1032	18	457
MLA036S4M	52-1/2	1334	41-1/8	1045	16-3/8	416

NOTE - MLA036 has two fans.

Floor-Mount Console

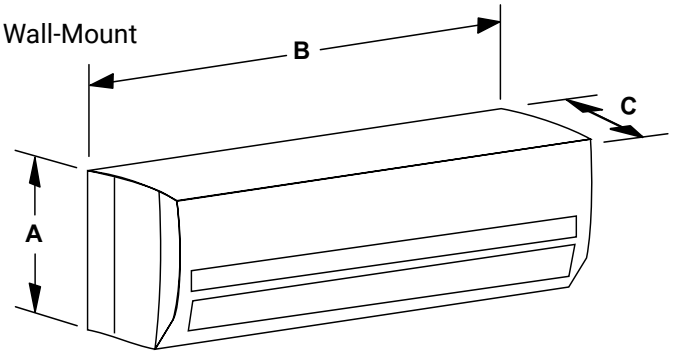


Floor/Ceiling



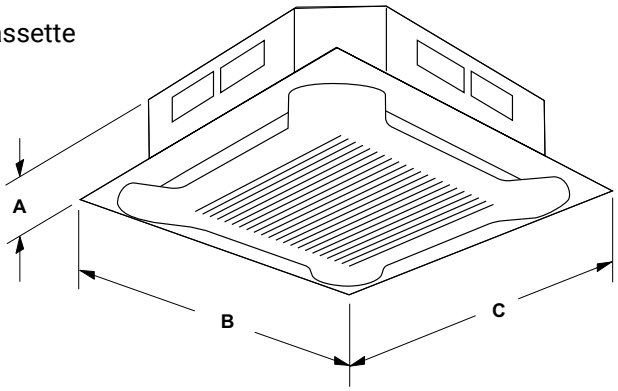
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235

Wall-Mount



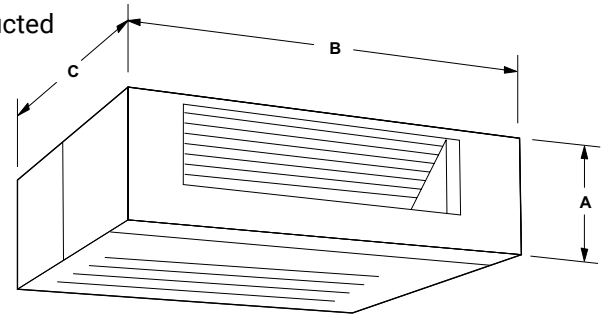
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA009S4, MWMA012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4	13-1/2	343	46-3/4	1187	10-1/4	260

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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RESIDENTIAL PRODUCT CATALOG

Single-Zone Low Ambient Heat Pump System - R-410A
SEER - Up to 24.00
HSPF - Up to 12.5

January 2022
Supersedes July 2021

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
- Floor Mount Console
- 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, floor console or ceiling/floor mount unit if desired.

LIMITED WARRANTY

- Compressor - Seven years
- All covered components - Five years

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

DIMENSIONS

- See page 41

ACCESSORIES

- See page 40

Outdoor Unit
- Condenser Pad
- Disconnect
- Fuses
- Line Sets
- Wall Brackets
- Whips

Controls
- Wired Programmable Controller

Indoor Unit
- Condensate Pump
- Drain Line
- Indoor/Outdoor Wiring Cable

Installation Accessories
- Speedichannel™ System

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SPECIFICATIONS - MLA OUTDOOR UNITS

Nominal Size - Tons		0.75	1	1.5	2	3	4
Outdoor Unit Model No.		**MLA009S4S**	**MLA012S4S**	**MLA018S4S**	**MLA024S4S**	**MLB036S4S**	**MLB048S4S**
Ambient Temperature Operating Range - °F	Cooling	–22 - 122	–22 - 122	–22 - 122	–22 - 122	–22 - 122	–22 - 122
	Heating	–22 - 86	–22 - 86	–22 - 86	–22 - 86	–22 - 86	–22 - 86
Sound Data (dBA)	Cooling	52	52	56	57	65	65
	Heating	57	57	59	60	65	65
Refrigerant	Charge furnished (R-410A)	3 lbs. 3 oz.	3 lbs. 3 oz.	4 lbs. 3 oz.	5 lbs. 7 oz.	16 lbs. 0 oz.	16 lbs. 0 oz.
	Maximum line length with furnished charge - ft.	25	25	25	25	25	25
	Additional charge required per ft. - oz.	0.16	0.16	0.16	0.32	0.32	0.32
Compressor	No. and Type	Rotary	Rotary	Rotary	Rotary	Twin-Rotary	Twin-Rotary
	Refrigerant oil type	Ester Oil VG74	Ester Oil VG74	POE VG74	POE VG74	Ester Oil VG74	POE VG74
	Refrigerant oil charge - oz.	16.9	16.9	22.7	22.7	49.4	49.4
Connections - in.	Liquid/Gas pipe (flare)	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
	Maximum refrigerant pipe length - ft.	82	82	98	164	213	213
	Max. difference in level of indoor unit - ft.	33	33	66	82	98	98
Outdoor Fan	(No.) Diameter - in.	(1) 17	(1) 17	(1) 19	(1) 22	(2) 22	(2) 22
	Total air volume - cfm	1120	1180	1355	2355	4470	4470
	rpm	810	810	850	810	900	900
Outdoor Coil	Number of rows	2	2	2	2	2	2
	Fins per inch	18	18	18	19	18	18
	Fin type	Hydrophilic aluminum					
	Tube outside diameter - in.	3/8	3/8	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	6.43+6.97	6.43+6.97
Design Pressure	PSIG	550/340	550/340	550/340	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.)	88/94	88/94	108/115	136/149	223 / 248	228 / 256

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
[1] Maximum Overcurrent Protection (amps)		15	15	25	30	50	50
[2] Minimum circuit ampacity		9	9	18	20	39	36.3
Outdoor Fan Motor	Rated load amps	0.38	0.38	0.42	0.5	(2) 0.39	(2) 0.39
	Output - W	40	40	44	120	(2) 85	(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.

HRAI MEMBER COMPANY

AHRI CERTIFIED www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

C ETL CM LISTED US
Intertek

Energy ENERGY STAR

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AHRI SYSTEM MATCHES

Indoor Unit Type	Outdoor Unit	Indoor Unit	Cooling Capacity	SEER	EER	Heat Capacity		HSPF (IV)	AHRI Reference	Energy Star?
						High	Low			
Wall-Mounted Non-Ducted	MLA009S4S-1P	MWMA009S4-3P	9,000	24	14.5	10,900	6,900	10.5	201796632	Yes
	MLA012S4S-1P	MWMA012S4-3P	12,000	22	12.5	12,000	7,800	10	201796633	Yes
	MLA018S4S-1P	MWMA018S4-2P	17,000	20	12.5	18,000	10,800	10	9920044	Yes
	MLA024S4S-1P	MWMA024S4-2P	24,000	20	12.5	24,000	15,400	10	9920047	Yes
Cassette Non-Ducted	MLA009S4S-1P	M22A009S4-2P	9,000	19.5	13	10,000	6,700	10	9920039	No
	MLA012S4S-1P	M22A012S4-2P	12,000	19	12.5	12,000	8,200	10	9920042	No
	MLA018S4S-1P	M22A018S4-2P	16,000	19	12.5	18,000	12,000	9.6	9920045	No
	MLA024S4S-1P	M33A024S4-2P	24,000	19.5	11	24,000	16,200	10.5	9920048	No
	MLB036S4S-1P	M33A036S4-1P	36,000	18	9.5	39,000	25,400	10.3	205782164	No
	MLB048S4S-1P	M33B048S4-1P	48,000	16.5	8.3	51,000	35,000	10.7	205782165	No
Ceiling/Floor Mount Non-Ducted	MLA018S4S-1P	MCFB018S4-2P	17,000	18.5	12.5	18,000	12,900	10	9956319	No
	MLA024S4S-1P	MCFA024S4-2P	24,000	19	11.5	24,000	17,200	11	9920049	No
	MLB036S4S-1P	MCFA036S4-1P	36,000	17.5	8.6	39,000	25,000	10	205782162	No
	MLB048S4S-1P	MCFA048S4-1P	48,000	17	8.2	50,000	35,000	10.8	205782163	No
Floor Mount Console Non-Ducted	MLA012S4S-1P	MFMA012S4	12,000	19.4	12.5	12,000	9,600	10.5	205747587	No
Medium Static Ducted	MLA009S4S-1P	MMDB009S4-2P	9,000	23	13.5	10,000	7,200	12	10528569	Yes
	MLA012S4S-1P	MMDB012S4-2P	12,000	20.5	12.5	12,000	8,500	11.0	10528570	Yes
	MLA018S4S-1P	MMDB018S4-2P	16,500	19.6	12.5	19,000	13,400	11.0	10528571	Yes
	MLA024S4S-1P	MMDB024S4-2P	24,000	20.5	12.5	24,000	17,200	12.5	10528572	Yes
	MLB036S4S-1P	MMDB036S4-1P	36,000	17.5	9	40,000	28,000	11.5	205782160	No
	MLB048S4S-1P	MMDB048S4-1P	48,000	16	8.7	48,000	33,000	11.1	205782161	No

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.

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SPECIFICATIONS — WALL-MOUNTED INDOOR UNITS

Model No.	MWMA009S4	MWMB012S4	MWMA012S4
Nominal Tons	0.75	1	1
Power Supply - 60 Hz - 1 phase	208/230V	115V	208/230V
Rated load amps	0.2	0.25	0.2
Output (W)	20	20	20
Room Temperature Range (°F) Cooling	62 - 90	62 - 90	62 - 90
Heating	32 - 86	32 -86	32 - 86
Air Volume - cfm (High/Medium/Low)	370/270/195	365/265/195	370/275/200
Sound Data (dBA) - Low/Medium/High	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 / 1/2	1/4 / 1/2
Drain connection o.d. - in.	1	1	1
Net/Shipping weights - lbs.	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	208/230V
Rated load amps	0.4	0.5	0.5
Output (W)	58	60	60
Room Temperature Range (°F) Cooling	62 - 90	62 - 90	62 - 90
Heating	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)	530/410/295	695/625/485	795/645/500
Sound Data (dBA) - Low/Medium/High	30.9/36.3/46.2	35.1/44.5/51.7	37.5/42/49
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8
Drain connection o.d. - in.	1	1	1
Net/Shipping weights - lbs.	27 / 35	40 / 54	40 / 51

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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	1.5	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

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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	1.5	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

SPECIFICATIONS — FLOOR MOUNT CONSOLE INDOOR UNITS

	Model No.	MFMA012S4
	Nominal Tons	1
	Power Supply - 60 Hz - 1 phase	208/230V
	Rated load amps	1
	Output (W)	20
Room Temperature Range (°F)	Cooling	62 - 90
	Heating	32 - 86
	Air Volume - cfm (High/Medium/Low)	365/318/248
	Sound Data (dBA) - Low/Medium/High	35/40/45
	Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 1/2
	Drain connection o.d. - in.	5/8
	Net/Shipping weights - lbs.	33 / 43

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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		0.9	1.0	1.2
Output (W)		55	55	160
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		340/270/165	340/270/165	505/430/350
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	2.45	4.1
Output (W)		160	300	560
Room Temperature Range (°F)	Cooling	62 - 90	62 - 90	62 - 90
	Heating	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)		735/660/415	1025/865/670	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

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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**	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**			•		•	N/A	
	M9GARD18Q-1	**15D29**			N/A		N/A	•	•
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	**X1727**			•		N/A		
	36 inch	**X1728**			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 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**	•	•	•	•			
[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, floor console 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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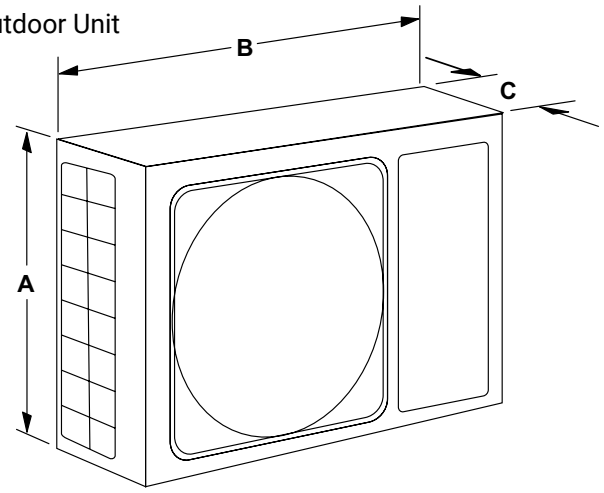
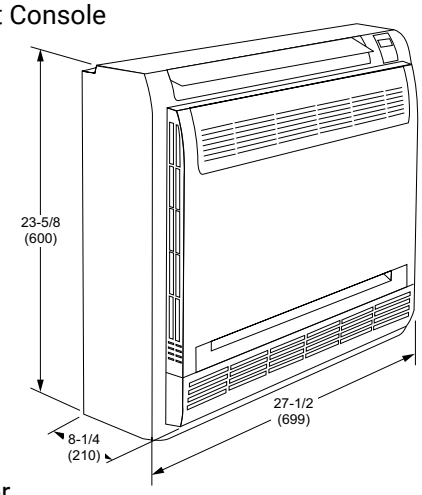
DIMENSIONS

Outdoor Unit

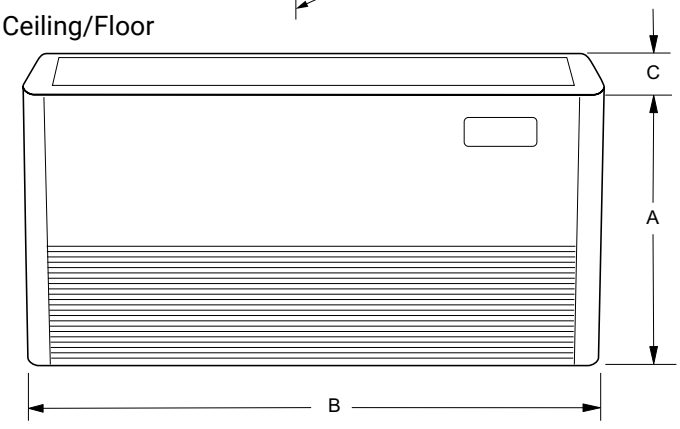


Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MLA009S4S, MLA012S4S	21-3/4	562	34-1/4	870	14-5/8	371
MLA018S4S	27-5/8	702	36	914	16	406
MLA024S4S	31-7/8	810	40-3/4	1035	18	457

Floor-Mount Console

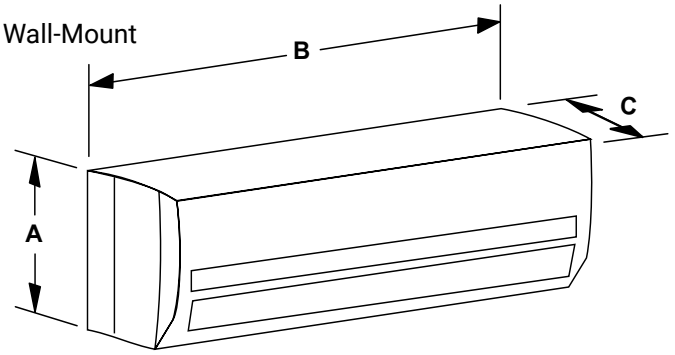


Ceiling/Floor



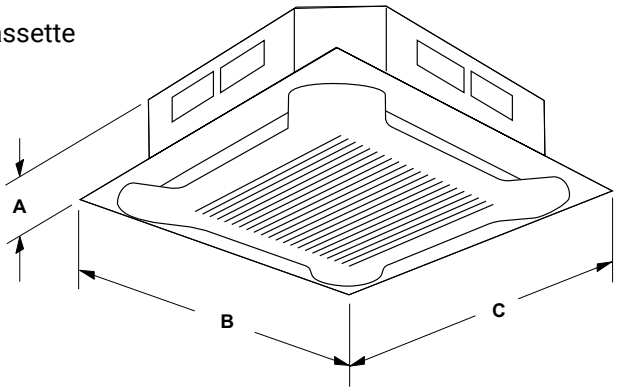
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCFB018S4	26-5/8	676	42	1067	9-1/4	235
MCFA024S4	26-5/8	676	42-1/8	1070	9-1/4	235

Wall-Mount



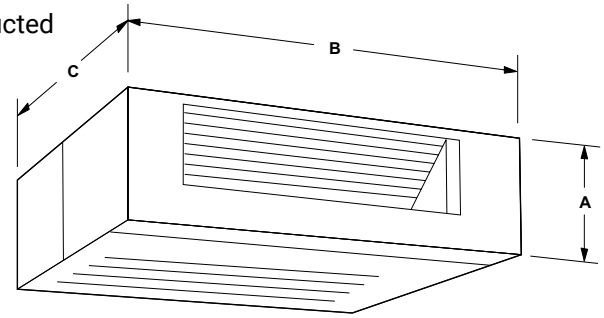
Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWMA009S4, MWMA012S4	11	279	32-7/8	835	7-7/8	200
MWMA018S4	12-3/8	314	39	991	8-5/8	219
MWMA024S4	13-1/2	343	46-3/4	1187	10-1/4	260

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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RESIDENTIAL PRODUCT CATALOG

Single Zone Ductless Heat Pump System - R-410A
SEER - Up to 19.00
HSPF - Up to 10.0

January 2022
Supersedes July 2021

FEATURES

OUTDOOR UNITS

Compressor

- Variable frequency rotary compressor
- Compressor crankcase heater

Controls

- DC inverter control
- Inverter Module Protection
- Outdoor unit microprocessor
- Capillary tube refrigerant metering
- Check valve
- Compressor overcurrent protection
- High temperature discharge protection
- Compressor discharge temperature protection
- Low and high voltage protection
- Terminal strip

Outdoor Unit Cabinet

- Heavy gauge steel
- Condensate drain outlets
- Access cover for power and control wiring
- Access cover for service valves

WALL-MOUNT INDOOR UNIT

Blower

- Multi-speed fan

Filter

- Cleanable filter

Controls

- Indoor unit microprocessor
- LED Readout
- Auto restart
- Cooling override
- Flare connections
- Multi-Refrigerant Outlet
- Terminal strip
- Indoor coil freeze protection
- Time delay
- Auto operation

CONTROLS (Furnished)

- Wireless Remote Controller - Furnished with Wall-Mounted Indoor
- Complete remote control of system. Maximum operating range is 25 ft.

LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

DIMENSIONS

- See page 45

ACCESSORIES

- See page 50

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Hail Guards
- Line Sets
- Wall Brackets
- Whips

Indoor Unit

- Condensate Pump
- Drain Line

Controls

- Wired Programmable Controller
- Wired Non-Programmable Controller
- Indoor/Outdoor Wiring Cable

Installation Accessories

- Speedichannel™ System

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SPECIFICATIONS - OUTDOOR UNITS

Outdoor Unit Model No.		MHA009S4S	MHA012S4S	MHA018S4S	MHA024S4S
Nominal Size - Tons		0.75	1	1.5	2
Ambient Temperature Operating Range - °F	Cooling	5 - 122	5 - 122	5 - 122	5 - 122
	Heating	5 - 86	5 - 86	5 - 86	5 - 86
Sound Data (dBA)		52	55	57.5	58
Refrigerant (R-410A)	Charge furnished	1 lb. 14 oz.	1 lb. 14 oz.	2 lbs. 12 oz.	3 lbs. 15 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	(1) Rotary	(1) Rotary	(1) Rotary	(1) Rotary
	Refrigerant oil type	Ester Oil VG74	Ester Oil VG74	Ester Oil VG74	Ester Oil VG74
	Refrigerant oil charge - oz.	10.5	10.5	14.9	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	98
	Max. difference in level of indoor unit - ft.	33	33	66	66
Outdoor Fan	(No.) Diameter - in.	(1) 16-3/4	(1) 16-7/8	(1) 16-7/8	(1) 19-1/4
	Total air volume - cfm	1175	1175	1175	1825
	rpm	850 / 650	800 / 650 (115V) 800 / 750 / 650 (208/230V)	800 / 750 / 650	800 / 750 / 650
Outdoor Coil	Number of rows	1	1	2	2
	Fins per inch	21	21	21	21
	Fin type	Hydrophilic aluminum			
	Tube outside diameter - in.	1/4	1/4	1/4	1/4
	Tube type	Rifled copper tubing			
	Net face area - ft.²	4.04	4.72	4.67	5.12
	Application area - ft.²	129 - 189	172 - 252	251 - 368	330 - 484
Design Pressure	PSIG	550 / 340	550 / 340	550 / 340	550 / 340
Shipping Data	Net/Shipping weight (lbs.) (115V)	67 / 72	71 / 77	- - -	- - -
	(208/230V)	67 / 72	67 / 73	80 / 86	106 / 113

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		115V	208/230V	115V	208/230V	208/230V	208/230V
[1] Maximum Overcurrent Protection (amps)		20	15	20	15	20	25
[2] Minimum circuit ampacity		16	10	15	15	15	20
Compressor Rated load amps		11.5	6.4	10.1	6.8	10.0	15.0
Outdoor Fan Motor	Rated load amps	0.6	0.5	0.55	0.45	0.5	0.6
	Output - W	34	34	34	34	34	115

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.

HRAI MEMBER COMPANY

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

C ETL CM LISTED US
Intertek

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SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

Indoor Unit Model No.	MWHA009S4		MWHA012S4		MWHA018S4	MWHA024S4
Nominal Size - Tons	0.75		1		1.5	2
Power Supply - 60 Hz - 1 phase	115V	208/230V	115V	208/230V	208/230V	208/230V
Rated load amps	0.7	0.06	0.7	0.06	0.11	0.37
Output (W)	20	20	20	20	30	60
Room Temperature Range (°F) Cooling	62 - 90	62 - 90	62 - 90	62 - 90	62 - 90	62 - 90
Heating	32 - 86	32 - 86	32 - 86	32 - 86	32 - 86	32 - 86
Air Volume - cfm (High/Medium/Low)	247/182/129	309/285/187	294/212/171	324/282/212	449/393/262	706/588/450
Sound Data (dBA) - Low/Medium/High	38 / 32 / 25	38 / 32 / 25	38 / 30 / 28	38 / 32 / 24	43 /35 / 30.5	48 / 42.5 / 34
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.	1	1	1	1	1	1
Net/Shipping weights - lbs.	18 / 23	18 / 23	19 / 25	19 / 25	25 / 33	31 / 40

AHRI SYSTEM MATCHES

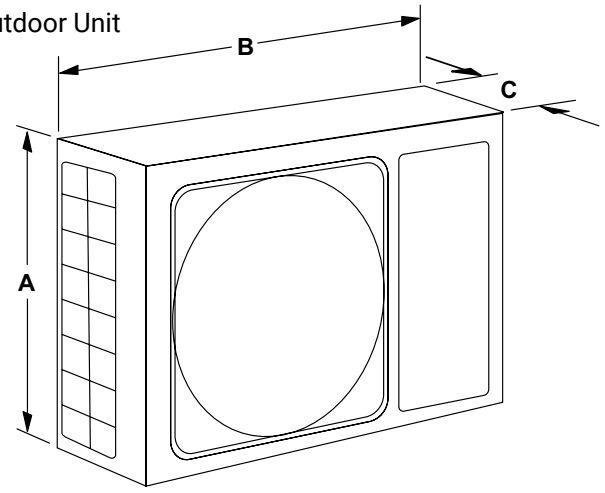
Indoor Unit Type	Outdoor Unit	Indoor Unit	Cooling Capacity	SEER	EER	Heat Capacity		HSPF (IV)	AHRI Reference
						High	Low		
Wall-Mounted Non-Ducted	MHA009S4S-1L	MWHA009S4-1L	9000	19	11.5	10,000	6000	10	204014488
	MHA009S4S-1P	MWHA009S4-1P	9000	18	11	9000	6000	9.5	204014490
	MHA012S4S-1L	MWHA012S4-1L	12,000	19	10.5	12,000	7500	9.5	204014489
	MHA012S4S-1P	MWHA012S4-1P	12,000	19	11	12,000	6800	9.5	204014491
	MHA018S4S-1P	MWHA018S4-1P	18,000	19	11	18,000	11,000	10	204014492
	MHA024S4S-1P	MWHA024S4-1P	24,000	17	9.5	24,000	14,400	9.5	204014493

Ratings are AHRI certified to AHRI Standard 210/240 with Addenda 1 and 2;
- 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.

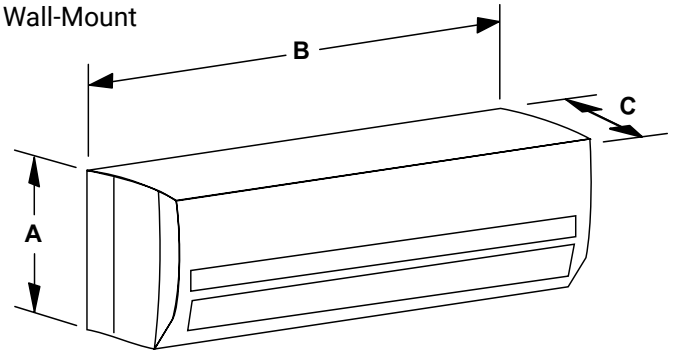
DIMENSIONS

Outdoor Unit



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MHA009S4S	21-7/8	556	33-1/8	841	12-5/8	322
MHA012S4S, MHA018S4S	21-7/8	556	34-1/4	870	14-3/8	365
MHA024S4S	27-5/8	702	36	914	15	381

Wall-Mount



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWHA009	11-3/8	289	29-5/8	752	8-5/8	219
MWHA012	11-3/4	298	32-3/4	832	8-3/4	222
MWHA018	12-1/2	318	39-1/8	994	9-7/8	251
MWHA024	13-1/4	337	44	1118	10-1/4	260

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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		**15D32**	•	N/A		
		15D25	N/A	•	•	N/A
		15D26		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	**X1727**	•	•	•	•
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	•	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 Programmable Controller	M0STAT64Q-1	**15D30**	•	•	•	•
Wired Non-Programmable Remote Controller	M0STAT61Q-1	**14A66**	•	•	•	•
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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RESIDENTIAL PRODUCT CATALOG

Single Zone Ductless Air Conditioning Systems - R-410A
SEER - Up to 20.00

Page 47
January 2022
Supersedes July 2021

FEATURES

OUTDOOR UNITS

Compressor

- Variable frequency rotary compressor
- Compressor crankcase heater

Controls

- DC inverter control
- Inverter Module Protection
- Outdoor unit microprocessor
- Capillary Tube Refrigerant Metering
- Compressor overcurrent protection
- High temperature discharge protection
- Compressor discharge temperature protection
- Low and high voltage protection
- Terminal strip

Outdoor Unit Cabinet

- Heavy gauge steel
- Condensate drain outlets
- Access cover for power and control wiring
- Access cover for service valves

WALL-MOUNT INDOOR UNIT

Blower

- Multi-speed fan

Filter

- Cleanable filter

Controls

- Indoor unit microprocessor
- LED Readout
- Auto restart
- Cooling override
- Flare connections
- Multi-Refrigerant Outlet
- Terminal strip
- Indoor coil freeze protection
- Time delay
- Auto operation

CONTROLS (Furnished)

- Wireless Remote Controller - Furnished with Wall-Mounted Indoor
- Complete remote control of system. Maximum operating range is 25 ft.

NOTE - As an option, a wired control can be ordered for a wall-mount if desired.

LIMITED WARRANTY

- Compressor - Five years
- All covered components - Five years

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

DIMENSIONS

- See page 49

ACCESSORIES

- See page 50

Outdoor Unit

- Condenser Pad
- Disconnect
- Fuses
- Hail Guards
- Line Sets
- Wall Brackets
- Whips

Indoor Unit

- Condensate Pump
- Drain Line

Controls

- Wired Programmable Controller
- Wired Non-Programmable Controller Indoor/Outdoor Wiring Cable

Installation Accessories

- Speedichannel™ System

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SPECIFICATIONS - OUTDOOR UNITS

Outdoor Unit Model No.		MCA009S4S	MCA012S4S	MCA018S4S	MCA024S4S
Nominal Size - Tons		0.75	1	1.5	2
Ambient Temperature Operating Range - °F		5 - 122	5 - 122	5 - 122	5 - 122
Energy Star		No	No	No	No
Sound Data (dBA)		51	51.5	53.5	57
Refrigerant (R-410A)	Charge furnished (115V)	- - -	1 lb. 5 oz.	- - -	- - -
	Charge furnished (208/230V)	1 lb. 2 oz.	1 lb. 3 oz.	2 lbs. 0 oz.	2 lbs. 9 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	(1) Rotary	(1) Rotary	(1) Rotary	(1) Rotary
	Refrigerant oil type	VG74	VG74	VG74	VG74
	Refrigerant oil charge - oz.	5.7	12.5 (115V) 5.7 (208/230V	14.9	15.2
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	98
	Max. difference in level of indoor unit - ft.	33	33	66	66
Outdoor Fan	(No.) Diameter - in.	(1)	(1)	(1)	(1)
	Total air volume - cfm	1230	1175 (115V) 1230 (208/230V	1195	1824
	rpm	850/700	850/700	850/700	800/550
Outdoor Coil	Number of rows	1	1	1	1
	Fins per inch	21	21	21	21
	Fin type	Hydrophilic aluminum			
	Tube outside diameter - in.	1/4	1/4	1/4	1/4
	Tube type	Rifled copper tubing			
	Net face area - ft.²	4.15	4.15	4.15	5.48
	Application area - sq. ft.	130 - 195	170 - 250 (115V) 160 - 240 (208/230V)	250 - 355	310 - 460
Design Pressure	PSIG	550/340	550/340	550/340	550/340
Shipping Data	Net/Shipping weight (lbs.) (115V)	- - -	63 / 68	- - -	- - -
	(208/230V)	54 / 59	55 / 60	66 / 73	89 / 96

ELECTRICAL DATA

Electrical Characteristics - 60 Hz - 1 Phase		208/230V	115V	208/230V	208/230V	208/230V
[1] Maximum Overcurrent Protection (amps)		15	20	15	20	25
[2] Minimum circuit ampacity		10	15	11	15	18
Compressor Rated load amps		6.2	5.05	6.8	9.0	12.0
Outdoor Fan Motor	Rated load amps	0.39	0.39	0.39	0.39	0.60
	Output - W	58	58	58	58	115

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.

HRAI MEMBER COMPANY

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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SPECIFICATIONS - WALL-MOUNTED INDOOR UNITS

Indoor Unit Model No.	MWCA009S4	MWCA012S4		MWCA018S4	MWCA024S4
Nominal Size - Tons	0.75	1		1.5	2
Power Supply - 60 Hz - 1 phase	208/230V	115V	208/230V	208/230V	208/230V
Rated load amps	0.22	0.43	0.22	0.40	0.40
Output (W)	47.4	46	47.4	36	89
Room Temperature Range (°F) Cooling	62 - 90	62 - 90	62 - 90	62 - 90	62 - 90
Air Volume - cfm (High/Medium/Low)	241/206/147	235/206/147	241/194/206	530/441/353	581/456/331
Sound Data (dBA) - Low/Medium/High	26.5/32/38	24.5/33/38.5	24.5/34.5/37.5	30.5/34.5/42	34/40.5/46
Piping Connections - Liquid/Gas - o.d. - flare - in.	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8
Drain connection o.d. - in.	1	1	1	1	1
Net/Shipping weights - lbs.	17 / 22	19 / 25	18 / 24	26 / 31	32 / 40

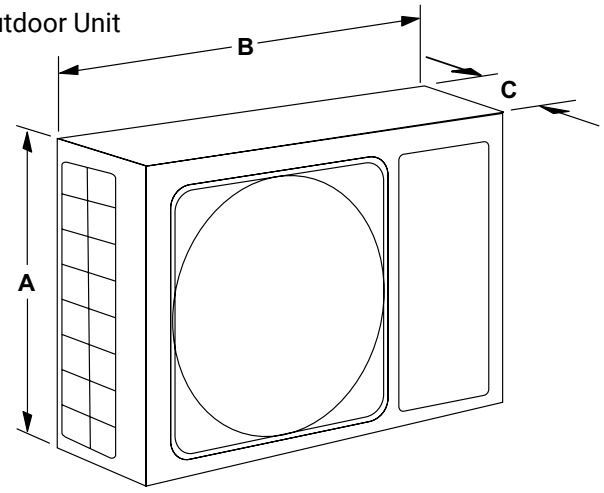
AHRI SYSTEM MATCHES

Indoor Unit Type	Outdoor Unit	Indoor Unit	Cooling Capacity	SEER	EER	AHRI Reference
Wall-Mounted Ductless	MCA009S4S-1P	MWCA009S4-1P	9,000	19.00	11.10	202515503
	MCA012S4S-1L	MWCA012S4-1L	12,000	16.50	10.00	202515502
	MCA012S4S-1P	MWCA012S4-1P	11,500	19.00	11.10	202515504
	MCA018S4S-1P	MWCA018S4-1P	17,000	20.00	10.80	202515505
	MCA024S4S-1P	MWCA024S4-1P	22,000	19.00	10.90	202515506

Ratings are AHRI certified to AHRI Standard 210/240 (with 25 ft. of connecting refrigerant lines); 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air.

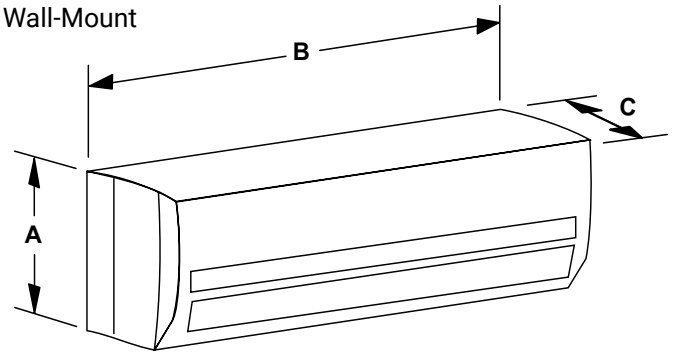
DIMENSIONS

Outdoor Unit



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MCA009S4S, MCA012S4S, MCA018S4S	21-7/8	556	30-5/8	778	11-7/8	302
MCA024S4S	27-5/8	702	33-5/8	854	14-1/4	362

Wall-Mount



Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
MWCA009	11-3/8	289	29-5/8	752	8-5/8	219
MWCA012	11-3/4	298	32-3/4	832	8-3/4	222
MWCA018	12-1/2	318	39-1/8	994	9-7/8	251
MWCA024	13-1/4	337	44	1118	10-1/4	260

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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		**15D32**	•	•	•	N/A
		15D26	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	**X1727**	•	•	•	•
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	•	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 Programmable Controller		**15D30**	•	•	•	•
Wired Non-Programmable Remote Controller		**14A66**	•	•	•	•
Extension Cable for Wired Programmable Controller - 20 ft.		**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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RESIDENTIAL PRODUCT CATALOG

Two-Stage Heating/Cooling - AFUE - 81% / R-410A / 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

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January 2022
Supersedes July 2021

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
- Downflow or horizontal airflow
- Powder paint for maximum durability
- Full perimeter base rail with rigging holes

LIMITED WARRANTY

- Heat Exchanger - Twenty years
- Compressor - Ten years
- All other covered components - Five years

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

ACCESSORIES

- See page 7

Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-off Control
- Low Ambient Kit

Cabinet

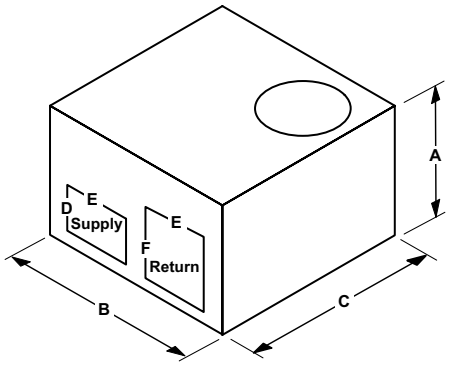
- Base Rail Opening Closure Kit
- Duct Adaptor Kits
- Healthy Climate® PCO Accessory
- Internal Filter Rack Kits
- Roof Curbs
- Strapping Kits (Hurricane/Seismic)

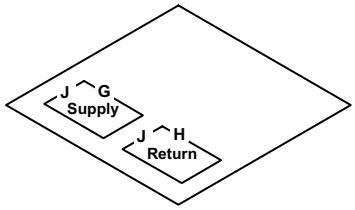
Heating

- LPG/Propane Conversion Kit

DIMENSIONS

Model	24 36	48 60
A	40-7/8 (1038)	44-7/8 (1140)
B	47-5/8 (1210)	56-1/8 (1426)
C	47-5/8 (1210)	47-5/8 (1210)
D	14-1/4 (362)	14-1/4 (362)
E	13-1/2 (343)	18-1/4 (463)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-1/2 (495)
J	11-1/2 (292)	11-1/2 (292)





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SPECIFICATIONS

General Data	Model No.	LRP16GE24	LRP16GE36	LRP16GE48	LRP16GE60
	Model No. - Low NOx	LRP16XE24	LRP16GX36	LRP16GX48	LRP16GX60
	Nominal Tonnage	2	3	4	5
Gas Heat		-72	-72, -90	-108	-126
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 (dBA)	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 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.		425	437	536	572
Shipping weight of basic unit (1 Pkg.) - lbs.		430	442	541	577
Electrical characteristics (60 hz)		208/230V-1ph-60Hz			

ELECTRICAL DATA

	Line voltage data - 60 Hz 1 phase	208/230V	208/230V	208/230V	208/230V
	[3] Maximum overcurrent protection (MOCP) amps	25	35	50	60
	[4] Minimum Circuit Ampacity (MCA)	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 Fan Motor	Full load amps	1.0	1.0	1.7	1.7
	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

General Data	Model No.	LRP16GE24 LRP16GX24 LRP16GE36 LRP16GX36	LRP16GE36 LRP16GX36	LRP16GE48 LRP16GX48	LRP16GE60 LRP16GX60
	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			

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

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RESIDENTIAL PRODUCT CATALOG

AFUE - 81% / SEER - 14.0 / R-410A
2 to 5 Tons - Net Cooling Capacity - 22,600 to 57,000 Btuh
Heating Input Capacity - 54,000 to 126,000 Btuh

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Non-chlorine, ozone friendly, R-410A refrigerant
- Rotary compressor (24 and 30 models)
- Scroll compressor (36 through 60 models)
- 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

- High efficiency, multi-speed ECM (Electronically Commutated 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
- Downflow or horizontal airflow
- Powder paint for maximum durability
- Full perimeter base rail with rigging holes

LIMITED WARRANTY

- Heat Exchanger - Twenty years
- Compressor - Ten years
- All other covered components - Five years

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

ACCESSORIES

- See page 7

Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-off Control
- Low Ambient Kit

Cabinet

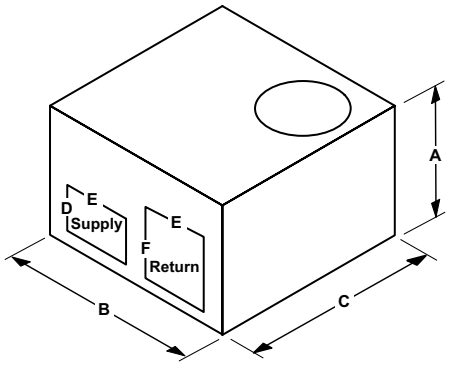
- Base Rail Opening Closure Kit
- Duct Adaptor Kits
- Internal Filter Rack Kits
- Roof Curbs
- Strapping Kits (Hurricane/Seismic)

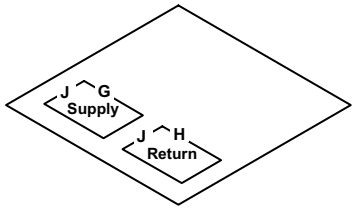
Heating

- LPG/Propane Conversion Kit

DIMENSIONS

Model	24 30 36	42 48 60
A	40-7/8 (1038)	44-7/8 (1140)
B	47-5/8 (1210)	56-1/8 (1426)
C	47-5/8 (1210)	47-5/8 (1210)
D	14-1/4 (362)	14-1/4 (362)
E	13-1/2 (343)	18-1/4 (463)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-1/2 (495)
J	11-1/2 (292)	11-1/2 (292)





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SPECIFICATIONS

General Data	Model No.	LRP14GE24	LRP14GE30	LRP14GE36	LRP14GE42	LRP14GE48	LRP14GE60
	Model No. - Low NOx	LRP14GX24	LRP14GX30	LRP14GX36	LRP14GX42	LRP14GX48	LRP14GX60
	Nominal Tonnage	2	2.5	3	3.5	4	5
Gas Heat		-054(GX), -072	-054(GX), -072	054, -072(GX), -090	-072(GX), -090	-108(GX), -126	-108(GX), -126
Cooling Performance	Total cooling capacity - Btuh	22,600	28,400	34,000	40,000	45,500	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 (dBA)	77	79	78	78	77	78
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge	4 lbs. 8 oz.	5 lbs. 0 oz.	5 lbs. 7 oz.	6 lbs. 12 oz.	7 lbs. 3 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
	Dia. - 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	1/3	1/2	1/2	3/4	3/4	1
Net weight of basic unit - lbs.		405	417	433	507	523	560
Shipping weight of basic unit (1 Pkg.) - lbs.		410	422	438	512	528	565
Electrical characteristics (60 Hz)		208/230V-1ph-60Hz					

ELECTRICAL DATA

Line voltage data - 60 Hz 1 phase	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
[3] Maximum overcurrent protection (MOCP) amps	20	25	35	40	40	60
[4] Minimum Circuit Ampacity (MCA)	16.4	18.2	22.7	27.5	28.7	38.9
Compressor Rated load amps	8.6	10.6	15.7	15.9	16.9	26.4
Compressor Locked rotor amps	63.5	67	72.2	112.3	94	152.5
Outdoor Coil Fan Motor Full load amps	1.0	1.0	1.0	1.7	1.7	1.7
Outdoor Coil Fan Motor Locked rotor amps	1.9	1.9	1.9	3.2	3.2	3.2
Indoor Blower Motor Full load amps	2.8	4.1	4.1	6	6	7.6
Indoor Blower Motor Locked rotor amps	3.9	3.9	4.4	5.4	6.8	- - -

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
Heating Capacity Btuh 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					

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

AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED www.ahridirectory.org

ETL LISTED Intertek

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RESIDENTIAL PRODUCT CATALOG

Ultra-Low NOx (14ng/J) / AFUE - 81% / SEER - 14.0 / R-410A
2 to 5 Tons - Net Cooling Capacity - 22,600 to 57,000 Btuh
Heating Input Capacity - 54,000 to 72,000 Btuh

Page 5
January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Non-chlorine, ozone friendly, R-410A refrigerant
- Rotary compressor (24 and 30 models)
- Scroll compressor (36 through 60 models)
- 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

- High efficiency, multi-speed ECM (Electronically Commutated 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
- Downflow or horizontal airflow
- Powder paint for maximum durability
- Full perimeter base rail with rigging holes

LIMITED WARRANTY

- Heat Exchanger - Twenty years
- Compressor - Ten years
- All other covered components - Five years

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

ACCESSORIES

- See page 7

Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-off Control
- Low Ambient Kit

Cabinet

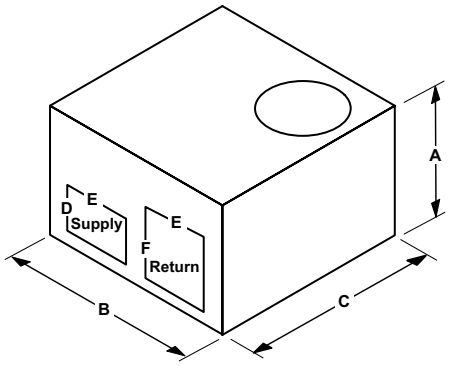
- Base Rail Opening Closure Kit
- Duct Adaptor Kits
- Internal Filter Rack Kits
- Roof Curbs
- Strapping Kits (Hurricane/Seismic)

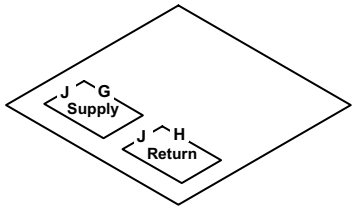
Heating

- LPG/Propane Conversion Kit

DIMENSIONS

Model	24 30 36	42 48 60
A	40-7/8 (1038)	44-7/8 (1140)
B	47-5/8 (1210)	56-1/8 (1426)
C	47-5/8 (1210)	47-5/8 (1210)
D	14-1/4 (362)	14-1/4 (362)
E	13-1/2 (343)	18-1/4 (463)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-1/2 (495)
J	11-1/2 (292)	11-1/2 (292)





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SPECIFICATIONS

General Data	Model No.	LRP14GN24	LRP14GN30	LRP14GN36	LRP14GN42	LRP14GN48	LRP14GN60
	Nominal Tonnage	**2**	**2.5**	**3**	**3.5**	**4**	**5**
Gas Heat		**-054**	**-054**	**-054**	**-072**	**-072**	**-072**
Cooling Performance	Total cooling capacity - Btuh	22,600	28,400	34,000	40,000	45,500	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 (dBA)	77	79	78	78	77	78
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge	4 lbs. 8 oz.	5 lbs. 0 oz.	5 lbs. 7 oz.	6 lbs. 12 oz.	7 lbs. 3 oz.	8 lbs. 11 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
	Dia. - 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 10
	Motor horsepower	1/3	1/2	1/2	3/4	3/4	1
Net weight of basic unit - lbs.		401	408	424	516	519	551
Shipping weight of basic unit (1 Pkg.) - lbs.		407	414	430	522	525	557
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 (MOCP) amps		20	25	35	40	40	60
[4] Minimum Circuit Ampacity (MCA)		14.4	18.2	22.7	27.5	28.7	38.9
Compressor	Rated load amps	8.6	10.6	15.7	15.9	16.9	26.4
	Locked rotor amps	63.5	67	72.2	112.3	94	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	2.8	4.1	4.1	6	6	7.6
	Locked rotor amps	3.9	3.9	4.4	5.4	6.8	- - -

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	42, 48, 60
	Heating Input	**-054**	**-072**
Heating Capacity Btuh	Input	54,000	72,000
	Output	43,800	58,320
[1] AFUE		81%	81%
Temperature Rise - °F		30 - 60	25 - 55
Gas Supply Connection (FPT) - in.		1/2	1/2
Min. Recommended Gas Supply Pressure		5 in. w.g. Natural Gas, 11 in. w.g. LPG/Propane	

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

AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED www.ahridirectory.org

ETL LISTED Intertek

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Item		Catalog No.	LRP14GE / LRP14GN / LRP14GX / LRP16GE / LRP16GX 24	[1] 30	36	[1] 42	48	60
CONTROLS								
iComfort® M30 Smart Wi-Fi Thermostat		**15Z69**	•	•	•	•	•	•
[2] Remote Outdoor Temperature Sensor		**X2658**	•	•	•	•	•	•
COOLING SYSTEM								
Compressor Crankcase Heater		**11X27**	•	•	•	•	•	•
Compressor Hard Start Kit		**10J42**	•	•	•	•	[1] •	[1] •
		12J90					[2] •	[2] •
Compressor Timed-Off Control	LRP14	**47J28**	[1] •	[1] •	[1] •	[1] •	[1] •	[1] •
	LRP16	**47J27**	[2] •		[2] •		[2] •	[2] •
Low Ambient Kit (40°F)		**21D20**	•	•	•	•	•	•
CABINET								
Base Rail Opening Closure Kit		**21J84**	•	•	•	•	•	•
Rectangular to Round Duct Adaptor Kit	Downflow - 14 in. dia.	**20X82**	•	•	•			
	- 14 in. dia.	**21D26**				•	•	•
	Horizontal - 14 in. dia.	**21J92**	•	•	•			
	- 14 in. dia.	**21D24**				•	•	•
	- 16 in. dia.	**22U78**				•	•	•
	- 18 in. dia.	**22U79**				•	•	•
HEATING SYSTEM								
Bottom Gas Entry Kit	LRP14/16GE/GX	**21D34**	•	•	•	•	•	•
	LRP14GN	**22G63**	•	•	•	•	•	•
LPG/Propane Conversion Kit	LRP14	**22B87**	[1] •	[1] •	[1] •	[1] •	[1] •	[1] •
	LRP16	**15C55**	[2] •		[2] •		[2] •	[2] •
ELECTRICAL								
Bottom Power Entry Kit		**21J78**	•	•	•	•	•	•
INDOOR AIR QUALITY								
[4] Internal Filter Rack Kit (filters not furnished)	(1) 20 x 20 + (1) 14 x 20	**11U73**	•	•	•			
	(2) 20 x 20	**11U74**				•	•	•
[2] Healthy Climate® PCO Accessory For LRP16 Models Only		**Y7960**	[2] •		[2] •		[2] •	[2] •
[2] PCO Accessory Maintenance Kit for LRP16 (Includes PureAir® Cartridge and UVA lamp)		**Y7972**	[2] •		[2] •		[2] •	[2] •
ROOF CURBS								
Clip Curbs								
	8 in height	**21J13**	•	•	•			
		21J17				•	•	•
	14 in height	**21J14**	•	•	•			
		21J19				•	•	•
	18 in height	**21J15**	•	•	•			
		21J20				•	•	•
	24 in height	**21J16**	•	•	•			
		21J25				•	•	•
Adjustable Pitch Roof Curbs								
Welded Curbs		**22V54**	•	•	•			
		22V55				•	•	•
Clip Curbs		**21J26**	•	•	•			
		21U04				•	•	•
Strapping Kits for Roof Curbs								
Strapping Kit - Hurricane (slab mount)		**21J74**	•	•	•	•	•	•
Strapping Kit - Hurricane (rail mount)		**22C53**	•	•	•	•	•	•
Strapping Kit - Seismic		**21J75**	•	•	•	•	•	•

[1] LRP14GE/GX models only. Not for LRP14GN.

[2] LRP16 models only.

[2] Remote Outdoor Air Temperature Sensor is used with residential packaged units. Allows the thermostat to display outdoor temperature.

[4] Filters are not furnished and must be field provided. Maximum acceptable filter efficiency is MERV 11.

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RESIDENTIAL PRODUCT CATALOG

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

January 2022
Supersedes July 2021

FEATURES

Refrigerant System

- Non-chlorine, ozone friendly, R-410A refrigerant
- Rotary compressor (24 and 30 models)
- Scroll compressor (36 through 60 models)
- Copper tube with enhanced fin coils
- Thermal Expansion Valve
- Totally enclosed outdoor coil fan motor
- Heavy-Duty Fan

Supply Air Blower

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

Controls

- 40VA transformer

Cabinet

- Conditioned areas insulated to reduce sound levels and minimize heat loss
- Steel louvered panels provides complete coil protection
- Downflow or horizontal airflow
- Powder paint for maximum durability
- Full perimeter base rail with rigging holes

LIMITED WARRANTY

- Compressor - Ten years
- All other covered components - Five years

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

ACCESSORIES

- See page 3

Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-Off Control
- Low Ambient Kit

Cabinet

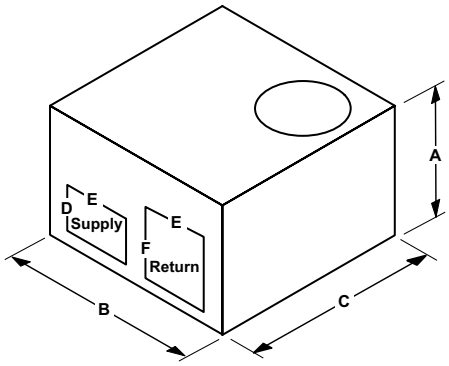
- Downflow Conversion Kit
- Internal Filter Kits
- Roof Curbs
- Strapping Kits (Hurricane/Seismic)

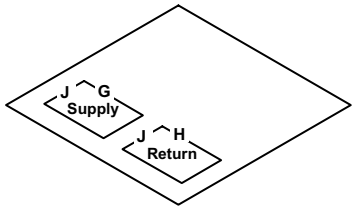
Electric Heat

- Electric Heat - 5 to 20 kW
- Single Point Power Kits

DIMENSIONS

Model	24 30 36	42 48 60
A	40-7/8 (1038)	44-7/8 (1140)
B	47-5/8 (1210)	56-1/8 (1426)
C	47-5/8 (1210)	47-5/8 (1210)
D	14-1/4 (362)	14-1/4 (362)
E	13-1/2 (343)	18-1/4 (463)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-1/2 (495)
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	45,500	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 (dBA)	77	79	78	78	77	78
Refrigerant	Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge	4 lbs. 8 oz.	5 lbs. 0 oz.	5 lbs. 7 oz.	6 lbs. 12 oz.	7 lbs. 3 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	1/2	1/2	3/4	3/4	1
Net weight of basic unit - lbs.		381	393	401	474	478	517
Shipping weight of basic unit (1 Pkg.) - lbs.		386	398	406	479	483	522
Electrical characteristics (60 Hz)		208/230V-1ph-60Hz					

[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.

AHRI CERTIFIED www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Item		Catalog No.	Unit Model No. 24	30	36	42	48	60
CONTROLS								
iComfort® M30 Smart Wi-Fi Thermostat		**15Z69**	•	•	•	•	•	•
[1] Remote Outdoor Temperature Sensor		**X2658**	•	•	•	•	•	•
COOLING SYSTEM								
Compressor Crankcase Heater		**11X27**			•	•	•	•
Compressor Hard Start Kit		**10J42**	•	•	•	•	•	•
Compressor Timed-Off Control		**47J28**	•	•	•	•	•	•
Low Ambient Kit (40°F)		**21D20**	•	•	•	•	•	•
CABINET								
Base Rail Opening Closure Kit		**21J84**	•	•	•	•	•	•
Rectangular to Round Duct Adaptor Kit	Downflow - 14 in. dia.	**20X82**	•	•	•			
	- 14 in. dia.	**21D26**				•	•	•
	Horizontal - 14 in. dia.	**21J92**	•	•	•			
	- 14 in. dia.	**21D24**				•	•	•
	- 16 in. dia.	**22U78**				•	•	•
	- 18 in. dia.	**22U79**				•	•	•
ELECTRICAL								
Bottom Power Entry Kit		**21J78**	•	•	•	•	•	•
ELECTRIC HEAT								
208/230V-1ph	5 kW	**10W47**	•	•	•	•	•	•
	7.5 kW	**10W48**	•	•	•	•	•	•
	10 kW	**10W49**	•	•	•	•	•	•
	15 kW	**10W50**			•	•	•	•
	20 kW	**10W51**				•	•	•
SINGLE POINT POWER SUPPLY KITS (FOR ELECTRIC HEAT) - SIDE POWER ENTRY ONLY								
	For 5 kW Electric Heat	**13W88**	•	•	•	•	•	•
	For 7.5 kW Electric Heat	**13W89**	•	•	•	•	•	•
	For 10 kW Electric Heat	**13W90**	•	•	•	•	•	•
	For 15 and 20 kW Electric Heat	**13W91**			•	•	•	•
INDOOR AIR QUALITY								
[2] Internal Filter Rack Kit (filters not furnished)	(1) 20 x 20 + (1) 14 x 20	**11U73**	•	•	•			
	(2) 20 x 20	**11U74**				•	•	•
ROOF CURBS								
Clip Curbs								
	8 in height	**21J13**	•	•	•			
		21J17				•	•	•
	14 in height	**21J14**	•	•	•			
		21J19				•	•	•
	18 in height	**21J15**	•	•	•			
		21J20				•	•	•
	24 in height	**21J16**	•	•	•			
		21J25				•	•	•
Adjustable Pitch Roof Curbs								
Welded Curbs		**21J26**	•	•	•			
		21U04				•	•	•
Clip Curbs		**21J26**	•	•	•			
		21U04				•	•	•
Strapping Kits for Roof Curbs								
Strapping Kit - Hurricane (slab mount)		**21J74**	•	•	•	•	•	•
Strapping Kit - Hurricane (rail mount)		**22C53**	•	•	•	•	•	•
Strapping Kit - Seismic		**21J75**	•	•	•	•	•	•

[1] Allows the thermostat to display outdoor temperature.

[2] Filters are not furnished and must be field provided.

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RESIDENTIAL 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

January 2022
Supersedes July 2021

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
- Downflow or horizontal airflow
- Powder paint for maximum durability
- Full perimeter base rail with rigging holes

LIMITED WARRANTY

- Compressor - Ten years
- All other covered components - Five years

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

ACCESSORIES

- See page 5

Controls

- iComfort® M30 Smart Wi-Fi Thermostat Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-Off Control
- Low Ambient Kit

Cabinet

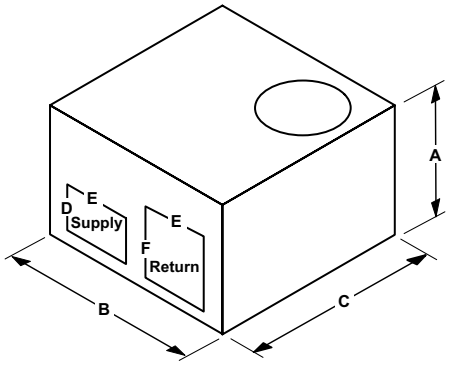
- Downflow Conversion Kit
- Lifting Brackets
- Healthy Climate® PCO Accessory
- Internal Filter Kits
- Roof Curbs
- Strapping Kits (Hurricane/Seismic)

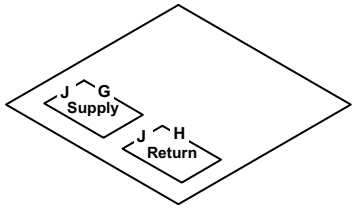
Electric Heat

- Electric Heat - 5 to 20 kW
- Single Point Power Kits

DIMENSIONS

Model	24 36	48 60
A	40-7/8 (1038)	44-7/8 (1140)
B	47-5/8 (1210)	56-1/8 (1426)
C	47-5/8 (1210)	47-5/8 (1210)
D	14-1/4 (362)	14-1/4 (362)
E	13-1/2 (343)	18-1/4 (463)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-1/2 (495)
J	11-1/2 (292)	11-1/2 (292)





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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)	16.0	16.0	16.0	15.5
		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	26,600	37,200
		Total unit watts	1480	2530	3500	4250
		COP	2.36	2.28	2.23	2.57
		[2] Sound Rating Number (dBA)	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.			425	460	540	555
Shipping weight of basic unit (1 Pkg.) - lbs.			430	465	545	560
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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RESIDENTIAL 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

January 2022
Supersedes July 2021

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

- High efficiency, multi-speed ECM (Electronically Commutated 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
- Downflow or horizontal airflow
- Powder paint for maximum durability
- Full perimeter base rail with rigging holes

LIMITED WARRANTY

- Compressor - Ten years
- All other covered components - Five years

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

ACCESSORIES

- See page 5

Controls

- iComfort® M30 Smart Wi-Fi Thermostat
- Compressor Crankcase Heater
- Compressor Hard Start Kit
- Compressor Timed-Off Control
- Low Ambient Kit

Cabinet

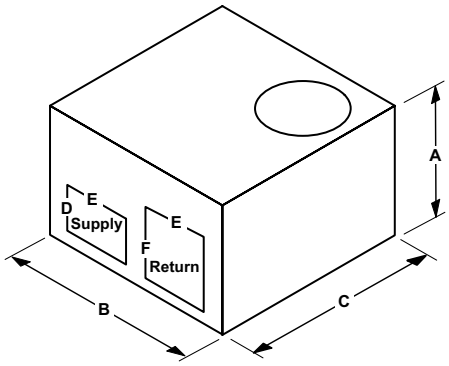
- Downflow Conversion Kit
- Drain Pan Overflow Switch
- Lifting Brackets
- Internal Filter Kits
- Roof Curbs
- Strapping Kits (Hurricane/Seismic)

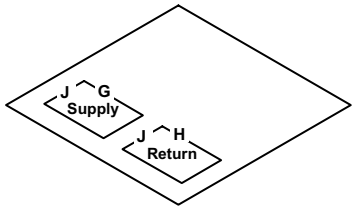
Electric Heat

- Electric Heat - 5 to 20 kW
- Single Point Power Kits

DIMENSIONS

Model	24 30 36	42 48 60
A	40-7/8 (1038)	44-7/8 (1140)
B	47-5/8 (1210)	56-1/8 (1426)
C	47-5/8 (1210)	47-5/8 (1210)
D	14-1/4 (362)	14-1/4 (362)
E	13-1/2 (343)	18-1/4 (463)
F	17 (432)	17 (432)
G	14 (356)	19-1/2 (495)
H	16-3/4 (425)	19-1/2 (495)
J	11-1/2 (292)	11-1/2 (292)





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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	32,400	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 (dBA)	78	78	76	78	79	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	1/3
		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 10
		Motor horsepower	1/3	1/2	1/2	3/4	3/4	1
Net weight of basic unit - lbs.			383	392	402	505	510	532
Shipping weight of basic unit (1 Pkg.) - lbs.			388	397	407	510	515	537
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.

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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OPTIONAL ACCESSORIES - ORDER SEPARATELY

Item			Catalog No.	LRP14HP, LRP16HP 24	1 30	36	1 42	48	60
CONTROLS									
iComfort® M30 Smart Wi-Fi Thermostat			15Z69	•	•	•	•	•	•
[2] Remote Outdoor Temperature Sensor			X2658	•	•	•	•	•	•
COOLING SYSTEM									
Compressor Crankcase Heater			11X27	•	•	•	•	•	•
Compressor Hard Start Kit			10J42	•	•	•	•	[1] •	[1] •
			12J90					[2] •	[2] •
Compressor Timed-Off Control		LRP14	47J28	[1] •	[1] •	[1] •	[1] •	[1] •	[1] •
		LRP16	47J27	[2] •		[2] •		[2] •	[2] •
Low Ambient Kit (40°F)			21D20	•	•	•	•	•	•
CABINET									
Base Rail Opening Closure Kit			21J84	•	•	•	•	•	•
Rectangular to Round Duct Adaptor Kit	Downflow	- 14 in. dia.	20X82	•	•	•			
		- 14 in. dia.	21D26				•	•	•
	Horizontal	- 14 in. dia.	21J92	•	•	•			
		- 14 in. dia.	21D24				•	•	•
		- 16 in. dia.	22U78				•	•	•
		- 18 in. dia.	22U79				•	•	•
ELECTRICAL									
Bottom Power Entry Kit			21J78	•	•	•	•	•	•
ELECTRIC HEAT									
208/230V-1ph		5 kW	10W47	•	•	•	•	•	•
		7.5 kW	10W48	•	•	•	•	•	•
		10 kW	10W49	•	•	•	•	•	•
		15 kW	10W50			•	•	•	•
		20 kW	10W51				•	•	•
SINGLE POINT POWER SUPPLY KITS (FOR ELECTRIC HEAT) - SIDE POWER ENTRY ONLY									
		For 5 kW Electric Heat	13W88	•	•	•	•	•	•
		For 7.5 kW Electric Heat	13W89	•	•	•	•	•	•
		For 10 kW Electric Heat	13W90	•	•	•	•	•	•
		For 15 and 20 kW Electric Heat	13W91			•	•	•	•
INDOOR AIR QUALITY									
[4] Internal Filter Rack Kit (filters not furnished)	(1) 20 x 20 + (1) 14 x 20		11U73	•	•	•			
	(2) 20 x 20		11U74				•	•	•
[2] Healthy Climate® PCO Accessory For LRP16 Models Only			Y7960	[2] •		[2] •		[2] •	[2] •
[2] PCO Accessory Maintenance Kit for LRP16 (Includes PureAir® Cartridge and UVA lamp)			Y7972	[2] •		[2] •		[2] •	[2] •
ROOF CURBS									
Clip Curbs									
	8 in height		21J13	•	•	•			
			21J17				•	•	•
	14 in height		21J14	•	•	•			
			21J19				•	•	•
	18 in height		21J15	•	•	•			
			21J20				•	•	•
	24 in height		21J16	•	•	•			
			21J25				•	•	•
Adjustable Pitch Roof Curbs									
Welded Curbs			21J26	•	•	•			
			21U04				•	•	•
Clip Curbs			21J26	•	•	•			
			21U04				•	•	•
Strapping Kits for Roof Curbs									
Strapping Kit - Hurricane (slab mount)			21J74	•	•	•	•	•	•
Strapping Kit - Hurricane (rail mount)			22C53	•	•	•	•	•	•
Strapping Kit - Seismic			21J75	•	•	•	•	•	•

[1] LRP14 models only.

[2] LRP16 models only.

[2] Remote Outdoor Air Temperature Sensor is used with residential packaged units. Allows the thermostat to display outdoor temperature.

[4] Filters are not furnished and must be field provided. Maximum acceptable filter efficiency is MERV 11.

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RESIDENTIAL PRODUCT CATALOG

PUREAIR® S Air Purification System

FEATURES

iComfort® Communicating Control

- iComfort® Control communicates information about the unit to the optional iComfort® thermostat
- Multiple sensors in the cabinet automatically detect and send information to the iComfort® S30 Ultra Smart Wi-Fi Thermostat for: dirty air filter status, air filter life notification, UVA lamp operational status and UVA lamp life notification
- 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 (CO_2) and water (H_2O)
- 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 photo-catalytic 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

NOTE - Optional 230V cord and hard-wire kits are available.

iComfort® S30 Ultra-Smart Wi-Fi Thermostat REQUIRED. (Not furnished)

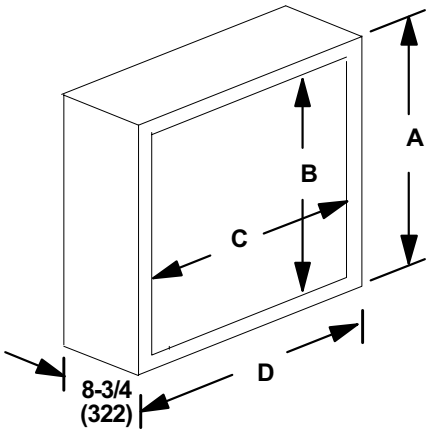
NOTE - For full communication benefits, the PureAir™ S Air Purification System must be used with an iComfort® S30 Ultra Smart Wi-Fi Thermostat and an iComfort® communicating variable-speed indoor furnace or air handler.

LIMITED WARRANTY

- All covered components - Five years

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

DIMENSIONS



	PCO3S -14-16	PCO3S -16-16	PCO3S -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)

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SPECIFICATIONS

Model No.		PCO3S-14-16	PCO3S-16-16	PCO3S-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
Operating Environment		0°F to 140°F outside of duct 10 to 60 percent relative humidity (Optimal performance at 50 percent relative humidity)		
Number of lamps		1	1	1
Filter Efficiency		MERV 16	MERV 16	MERV 16
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)	1-pack	**Y6616**	**Y6612**	**Y6608**
	4-pack	**Y6618**	**Y6614**	**Y6610**
Carbon Clean 16® (MERV 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
Carbon Clean 16® (MERV 16) Pleated Filter		**Y6606**	**Y6605**	**Y6604**
PureAir Cartridge		**Y6621**	**Y6607**	**Y6607**

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Power Cord for 230V Operation	**91X44**	**91X44**	**91X44**

[1] Optional 230V power cord is required and must be ordered extra.

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RESIDENTIAL PRODUCT CATALOG

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 (CO_2) and water (H_2O)
- 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 photo-catalytic 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

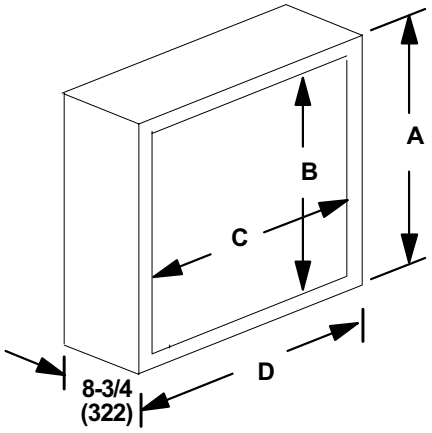
NOTE - Optional 230V cord and hard-wire kits are available.

LIMITED WARRANTY

- All covered components - Five years

NOTE - 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)

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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**

[1] Optional 230V power cord is required and must be ordered extra.

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RESIDENTIAL PRODUCT CATALOG

MERV 11, MERV 13 and Carbon Clean 16™ (MERV 16) Media Air Cleaners

FEATURES

NOTE - Cabinet and Filter must be ordered separately.

- MERV 11, MERV 13 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.

HCC Filter Cabinet
(With Filter in Place)

MERV 11, MERV 13 and
Carbon Clean 16™ (MERV 16) Filters

- Two Filter Types are available:
  - **Boxed Filters** have double-wall beverage board frame for rigid construction
  - **Expandable Filter Kits** consist of expandable filter media and reusable filter frame (MERV 16 kits include reusable filter spacers)
  - Expandable Filter Kits are shipped compact for field assembly

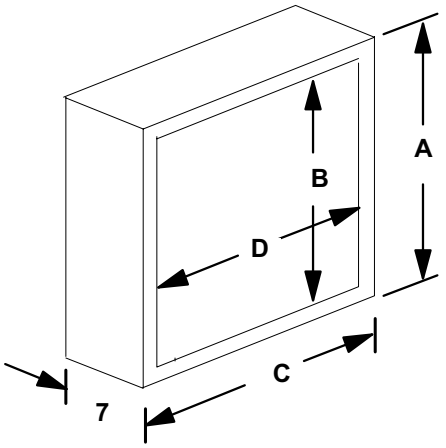
Carbon Clean 16™ (MERV 16) Box Filters

- 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

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SPECIFICATIONS — MERV 11 | MERV 13

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**	**HCF14-13**	**HCF16-13**	**HCF20-13**
		Filter Model No. (Expandable Filter Kit)	**HCXF14-11**	**HCXF16-11**	**HCXF20-11**	**- - -**	**- - -**	**- - -**
[1] MERV (Minimum Efficiency Reporting Value) rating			11	11	11	13	13	13
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	0.21	0.26	0.26
		- Final	0.40	0.40	0.40	0.40	0.40	0.40
		HCXF - Initial	0.27	0.30	0.27	- - -	- - -	- - -
		- Final	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**	**19L14**	**19L15**	**19L17**
Replacement filter media for Box Filter Kits	**X0585**	**X6670**	**X6673**	- - -	- - -	- - -

SPECIFICATIONS — MERV 16

General Data		**Cabinet Model No.**	**HCC14-23**	**HCC16-28**	**HCC20-28**
		Filter Model No. (Box Filter)	**HCF14-16**	**HCF16-16**	**HCF20-16**
		Filter Model No. (Expandable Filter Kit)	**HCXF14-16**	**HCXF16-16**	**HCXF20-16**
[1] MERV (Minimum Efficiency Reporting Value) rating			16	16	16
Air Flow		Air flow range - cfm	800 - 1400	800 - 1600	1400 - 2000
		Rated air flow - cfm	1400	1600	2000
Filter Data		Nominal Filter size - in.	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
	Pressure drop @ rated flow in. w.c. - Initial	HCF - Initial	0.29	0.31	0.31
		- Final	0.40	0.40	0.40
		HCXF - Initial	0.29	0.31	0.31
		- Final	0.40	0.40	0.40
	[2] Filter estimated service life (months)		up to 12 months		
Shipping weight - lbs.		Cabinet	15	17	18

MAINTENANCE SUPPLIES - ORDER SEPARATELY

Replacement filter media for Expandable Filter Kits	**X8314**	**X8312**	**X8313**
Replacement filter media for Box Filter Kits	**X7935**	**X6672**	**X6675**

[1] Rated at 492 feet per minute

[2] 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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Carbon Clean 16™ Filters

HEALTHY CLIMATE®

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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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 EXPXXUNV0016	EXPXXLMC0016 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 EXPXXUNV0020	EXPXXLMC0020 FILCCCAR0020		
	Trion	453000-001 Supreme 2000	455602-001 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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RESIDENTIAL PRODUCT CATALOG

Expandable Filter Kits

January 2022
Supersedes July 2021

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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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 maybe added to the bottom of filter to properly position the filter and prevent bypass air leakage.

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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.
in.	mm	(Package of 4)
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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RESIDENTIAL PRODUCT CATALOG

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 - Carbon Pre-Filter removes large particulates
- Stage Two - HEPA filter captures 99.97% of particulates 0.3 micron and larger
- Stage Three - Inner Charcoal Filter captures chemicals and odors from the air
- Cabinet is constructed of painted, heavy-gauge galvanized steel that is completely insulated

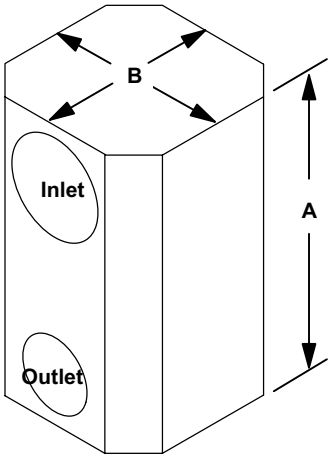
LIMITED WARRANTY

- All covered components - five years

NOTE - 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	660
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 Kit Includes: carbon pre-filter (1), inner charcoal filters (4), O-ring (1)		**X5803**	**X5804**	**X5804**
Replacement Filter Media	HEPA Filter	**92X17**	**92X10**	**92X10**
	Carbon Pre-Filter	**95X12**	**92X08**	**92X08**
	Inner Charcoal Filter	**X2678**	**92X09**	**92X09**
Coconut Shell Carbon Canister (optional)		**94X98**	**98X75**	**98X75**
Interlock Kit		**X2680**	**X2680**	**X2680**

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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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RESIDENTIAL PRODUCT CATALOG

Ultraviolet Germicidal Light

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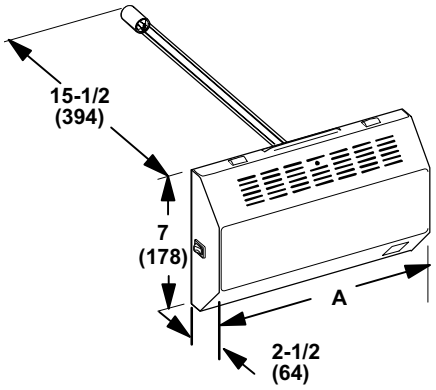
FEATURES

- 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



Size	A
1000	11 (279)
2000	17 (432)

SPECIFICATIONS

General Data	Model No.	UV-1000	UV-2000
	Number of lamps	1	2
[1] Microwatt/cm² 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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Lennox Ventilation Control System
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FEATURES

- 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

Digital Ventilation Controller

- 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
- Prevents ventilation operation when indoor relative humidity is above 55% and the outside temperature is above 50°F to prevent excess indoor humidity levels
- 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

NOTE - 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: ± 5°F
- Relative Humidity Accuracy: ±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

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HCWP3

HEALTHY CLIMATE®

RESIDENTIAL PRODUCT CATALOG

Power Humidifier - 18 Gallons Per Day

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Automatic Humidifier Control (furnished with "A" Models)

Manual Humidistat (furnished with standard Models)

FEATURES

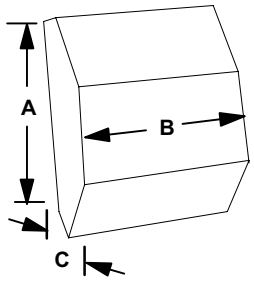
- Corrosion Resistant Plastic Housing
- Distribution tray provides even water distribution
- Large Evaporative Capacity
- 24 Volt Brass Solenoid Valve
- Saddle Valve
- Duct Mount
- Manual Humidistat models provide manual control of room relative humidity
- Automatic Humidifier Control models senses indoor relative humidity and outdoor temperature to adjusts humidity setpoint to provide optimum humidity levels within the space
- Easy Service Access

LIMITED WARRANTY

- All covered components - Five year limited warranty in residential applications, one year in non-residential applications
- Filter media is not covered

NOTE - Refer to Healthy Climate Equipment Limited Warranty certificate included with cabinet for specific details..

DIMENSIONS



Model	A	B	C
HCWP3-18 HCWP3-18A	16 (406)	16 (406)	11-3/8 (288)

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 in.	Plenum - H x W - in.	14-5/16 x 14-3/4
	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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By-Pass Humidifier-12 to 17 Gallons Per Day

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FEATURES

- Large Evaporative Capacity
- Corrosion Resistant Plastic Housing
- Right or Left-Hand Air Flow
- Built-in Damper
- Distribution tray provides even water distribution.
- 24 Volt Brass Solenoid Valve
- Saddle Valve
- Easy Service Access
- Manual Humidistat (standard models) - Provide manual control of room relative humidity
- Automatic Humidifier Control ("A" models) - Sense indoor relative humidity and outdoor temperature to provide optimum humidity levels within the space

LIMITED WARRANTY

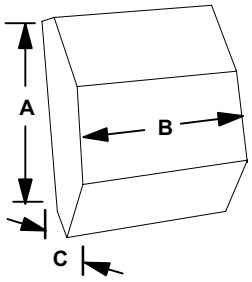
- All covered components - Five year limited warranty in residential applications, one year in non-residential applications
- Filter media is not covered.

NOTE - Refer to Healthy Climate Equipment Limited Warranty certificate included with cabinet for specific details.

Automatic Humidifier Control (furnished with "A" Models)

Manual Humidistat (furnished with standard Models)

DIMENSIONS



Model	A	B	C
HCWB3-12 HCWB3-12A	12-7/8 (327)	12 (305)	10-1/4 (260)
HCWB3-17 HCWB3-17A	15-7/8 (403)	12 (305)	10-1/2 (267)

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 in.	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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Heat Recovery Ventilator/Energy Recovery Ventilator

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FEATURES

NOTE - iComfort® S30 and E30 Smart Wi-Fi Thermostats can control HRV and ERV units without the need for a separate controller.

- **HRV** - Thermally Conductive Patented Aluminum Core Transfers Heat
- HRV is recommended in regions where normal humidity levels occur
- **ERV** - Enthalpic Core Transfers Temperature and Humidity
- Recirculating Damper Defrost: (HRV3-095, HRV3-150-TPD, HRV5-150, HRV5-200-TPD, HRV5-HEX095-TPD, HRV5-270-TPD-ECM, ERV5-150-TPD, ERV5-175-TPD, ERV5-130)
- Damper Defrost: (HRV3-195)
- Capable of interlocking with indoor blower
- Dual, Centrifugal Type Direct Drive Blower with multi-speed PSC Motor (All models except HRV5-270-TPD-ECM)
- Blower with Electronically Commuted (EC) Motors (HRV5-270-TPD-ECM Only)
- Safety Interlock Switch
- Washable, MERV 6 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

ERV5-130

HRV3-150-TPD, HRV5-200-TPD, HRV5-HEX095-TPD, HRV5-270-TPD-ECM, ERV5-150-TPD, ERV5-175-TPD

HRV3-095
(Not shown - HRV3-195)

HRV5-150

LIMITED WARRANTY

- HRV Core - Limited lifetime (residential)
- ERV Core - Ten years (residential)
- All other covered components - Five years (residential)

NOTE - Refer to Healthy Climate Equipment Limited Warranty certificate included with unit for specific details.

ACCESSORIES

Controls

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- iComfort® E30 Smart Wi-Fi Thermostat
- Basic Two-Speed Control
- Five Speed/Four Mode Programmable Control
- Wired 20/40/60 Minute Fan Timer
- Wireless 20/40/60 Minute Fan Timer
- Wireless Repeater

Air Balancing Tools

- Door Port Gauge Tube Set
- Pitot Tubes
- Butterfly Balancing Damper
- Backdraft Damper

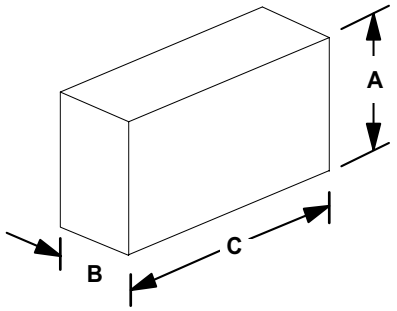
Ductwork

- Duct Heaters
- Flexible Ducts
- Hinged Kitchen Exhaust Grille
- Round Diffusers
- Weatherhood Kit

Indoor Air Quality

- MERV 13 Filters

DIMENSIONS



	HRV3-095	HRV3-150-TPD ERV5-150	ERV5-130	HRV5-150 ERV3-200
A	24-1/2 (422)	17-1/4 (438)	9-3/4 (248)	19 (483)
B	16 (406)	14 (356)	19-3/8 (492)	14-3/4 (375)
C	18-1/2 (470)	22-3/4 (578)	25-3/4 (654)	33-5/8 (854)

	HRV5-200-TPD HRV5-270-TPD-ECM *ERV5-175-TPD	HRV5-HEX095-TPD	HRV3-195
A	18-3/4 (476)	18-3/4 (476)	19 (483)
B	14 (356) *15 (381)	15 (381)	14-3/4 (375)
C	33-5/8 (854)	29-1/4 (743)	49 (1245)

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SPECIFICATIONS - HRV

Model No.			HRV3-095	HRV5-150	HRV3-150-TPD	HRV5-HEX095-TPD
ENERGY STAR® Qualified (Canada Only)			Yes	Yes	No	Yes
[1] **Performance**	Adjusted Sensible Recovery Efficiency @ 32°F		88% (59 cfm)	82% (64 cfm)	68% (66 cfm)	79% (64 cfm)
	Sensible Recovery Efficiency @ 32°F		75% (59 cfm)	75% (64 cfm)	61% (66 cfm)	75% (64 cfm)
	Adjusted Sensible Recovery Efficiency @ –13°F		86% (61 cfm)	76% (69 cfm)	65% (76 cfm)	71% (68 cfm)
	Sensible Recovery Efficiency @ – 13°F		68% (61 cfm)	72% (69 cfm)	61% (76 cfm)	69% (68 cfm)
[1] **Blower**	Air Flow (cfm) vs. Static Pressure (high speed)	0.1 in. w.g.	68	184	169	110
		0.2 in. w.g.	66	163	156	104
		0.3 in. w.g.	64	146	149	95
		0.4 in. w.g.	59	132	136	89
		0.5 in. w.g.	55	115	126	78
		0.6 in. w.g.	- - -	92	116	70
		0.7 in. w.g.	- - -	60	103	59
		0.8 in. w.g.	- - -	- - -	89	47
		0.9 in. w.g.	- - -	- - -	77	- - -
		1.0 in. w.g.	- - -	- - -	58	- - -
Number of Speeds Available (with S30/E30 or Basic Control)			2	2	2	2
Number of Speeds Available (with Digital Control)			5	5	5	5
Defrost type			Recirculating	Recirculating	Recirculating	Recirculating
Door Port Balancing			No	Yes	Yes	Yes
Balancing Damper in Intake and Exhaust Collar			No	Yes	Yes	Yes
Duct Ports	Connections (No.) & diameter - inch		(2) 5 outside (round) (2) 6 inside (oval)	(2) 6 outside (round) (2) 6 inside (round)	(2) 5 outside (oval) (2) 5 inside (oval)	(2) 5 outside (oval) (2) 5 inside (oval)
Condensate drain (o.d.) - in. (includes tee)			(2) 1/2	(2) 1/2	(2) 1/2	(2) 1/2
Shipping weight - lbs.			67	71	49	63

ELECTRICAL DATA

Voltage		120 volts - 60 hertz - 1 phase			
Blower HP (PSC type)		1/20	1/10	1/20	1/10
[2] Fan Watts - high speed @HVI Test SRE maximum rated cfm		89	119	140	46
[2] Fan Watts - low speed @HVI Test SRE minimum rated cfm		58	71	74	32
Amp Rating		0.9	1.4	1.2	0.5

Model No.			HRV5-200-TPD	HRV3-195	HRV5-270-TPD-ECM
ENERGY STAR® Qualified (Canada Only)			Yes	Yes	Yes
[1] **Performance**	Adjusted Sensible Recovery Efficiency @ 32°F		82% (64 cfm)	88% (73 cfm)	77% (64 cfm)
	Sensible Recovery Efficiency @ 32°F		76% (64 cfm)	82% (73 cfm)	75% (64 cfm)
	Adjusted Sensible Recovery Efficiency @ –13°F		73% (102 cfm)	74% (112 cfm)	71% (70 cfm)
	Sensible Recovery Efficiency @ – 13°F		70% (102 cfm)	72% (112 cfm)	70% (70 cfm)
[1] **Blower**	Air Flow (cfm) vs. Static Pressure (high speed)	0.1 in. w.g.	203	216	280
		0.2 in. w.g.	193	195	273
		0.3 in. w.g.	182	181	267
		0.4 in. w.g.	172	158	261
		0.5 in. w.g.	159	144	254
		0.6 in. w.g.	148	125	248
		0.7 in. w.g.	136	107	242
		0.8 in. w.g.	121	72	235
		0.9 in. w.g.	108	- - -	227
		1.0 in. w.g.	93	- - -	220
Number of Speeds Available (with S30/E30 or Basic Control)			2	2	2
Number of Speeds Available (with Digital Control)			5	5	5
Defrost type			Recirculating	Damper	Recirculating
Door Port Balancing			Yes	No	Yes
Balancing Damper in Intake and Exhaust Collar			Yes	No	Yes
Duct Ports	Connections (No.) & diameter - inch		(2) 6 outside (oval) (2) 6 inside (oval)	(2) 6 outside (round) (2) 7 inside (round) (1) 6 defrost (round)	(2) 6 outside (oval) (2) 6 inside (oval)
Condensate drain (o.d.) - in. (includes tee)			(2) 1/2	(2) 1/2	(2) 1/2
Shipping weight - lbs.			67	96	68

ELECTRICAL DATA

Voltage	120 volts - 60 hertz - 1 phase		
Blower HP (PSC type)	1/10	1/10	1/10 (ECM)
[2] Fan Watts - high speed @HVI Test SRE maximum rated cfm	92	123	44
[2] Fan Watts - low speed @HVI Test SRE minimum rated cfm	60	74	22
Amp Rating	1.4	1.5	2.1

NOTE - Effectiveness is based on temperature difference between the two airstreams. Efficiency includes parasitic losses from fan operation.

[1] Certified by the Home Ventilating Institute (HVI) according to test procedures developed by HVI members and based on internationally recognized standards. For performance ratings at other conditions not shown, please visit the HVI website. [2] Sensible Recovery Efficiency (SRE) tested at 32°F.

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SPECIFICATIONS - ERV

			Model No.	ERV5-130	ERV5-150-TPD	ERV5-175-TPD
			No. of Cores	Single	Single	Single
ENERGY STAR® Qualified (Canada Only)				No	Yes	No
[1] **Performance**	Adjusted Sensible Recovery Efficiency @ 32°F			77% (64 cfm)	82% (64 cfm)	85% (66 cfm)
	Sensible Recovery Efficiency @ 32°F			72% (64 cfm)	75% (64 cfm)	75% (66 cfm)
	Adjusted Sensible Recovery Efficiency @ –13°F			60% (55 cfm)	64% (70 cfm)	62% (68 cfm)
	Sensible Recovery Efficiency @ – 13°F			56% (55 cfm)	60% (70 cfm)	58% (68 cfm)
	Latent Efficiency @ 95 °F			38% (64 cfm)	43% (66 cfm)	41% (64 cfm)
	Total Efficiency @ 95 °F			54% (64 cfm)	48% (66 cfm)	48% (64 cfm)
[1] **Blower**	Air Flow (cfm) vs. Static Pressure (high speed)	0.1 in. w.g.		133	161	195
		0.2 in. w.g.		129	155	184
		0.3 in. w.g.		125	146	172
		0.4 in. w.g.		123	138	161
		0.5 in. w.g.		119	127	150
		0.6 in. w.g.		112	117	140
		0.7 in. w.g.		108	104	129
		0.8 in. w.g.		102	93	117
		0.9 in. w.g.		95	83	106
		1.0 in. w.g.		87	74	93
	Number of Speeds Available (with S30/E30 or Basic Control)			2	2	2
	Number of Speeds Available (with Digital Control)			5	5	5
Defrost type				Recirculating	Recirculating	Recirculating
Door Port Balancing				No	Yes	Yes
Balancing Damper in Intake and Exhaust Collar				No	Yes	Yes
Duct Ports	Connections (No.) & diameter - inch			(2) 5 outside (round) (2) 5 inside (round)	(2) 5 outside (oval) (2) 5 inside (oval)	(2) 6 outside (oval) (2) 6 inside (oval)
Condensate drain (o.d.) - in. (includes tee)				- - -	(2) 1/2	(2) 1/2
Shipping weight - lbs.				45	46	63

ELECTRICAL DATA

Voltage	120 volts - 60 hertz - 1 phase		
Blower HP (PSC type)	1/10	1/20	1/20
[2] Fan Watts - high speed @HVI Test SRE maximum rated cfm	86	102	96
[2] Fan Watts - low speed @HVI Test SRE minimum rated cfm	48	66	62
Amp Rating	1.4	1.7	1.4

NOTE - Effectiveness is based on temperature difference between the two airstreams. Efficiency includes parasitic losses from fan operation.

[1] Certified by the Home Ventilating Institute (HVI) according to test procedures developed by HVI members and based on internationally recognized standards. For performance ratings at other conditions not shown, please visit the HVI website.

[2] Sensible Recovery Efficiency (SRE) tested at 32°F.

- 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 - HRV - ORDER SEPARATELY

Model No.		HRV3-095	HRV3-150-TPD	HRV5-150	HRV5-200-TPD	HRV3-195	HRV5-HEX095-TPD	HRV5-270-TPD-ECM
Air Filters - MERV 13 (4 per order)		- - -	**20A91**	**21V13**	**21V13**	**20A91**	**21V13**	**21V13**
Air Balancing Tools	Door Port Gauge Tube Set	N/A	**Y2207**	**Y2207**	**Y2207**	N/A	**Y2207**	**Y2207**
Backdraft Damper	5 in. diameter	**Y3728**	**Y3728**	- - -	- - -	- - -	**Y3728**	- - -
	6 in. diameter	- - -	- - -	**Y3727**	**Y3727**	**Y3727**	**- - -**	**Y3727**
Butterfly Damper	6 inch diameter	**91X09**	Furnished	Furnished	Furnished	- - -	Furnished	Furnished
	7 inch diameter	- - -	- - -	- - -	- - -	Field Provided	- - -	- - -
iComfort® Controls	S30 Ultra-Smart Thermostat	**19V30**	**19V30**	**19V30**	**19V30**	**19V30**	**19V30**	**19V30**
	E30 Smart Thermostat	**20A65**	**20A65**	**20A65**	**20A65**	**20A65**	**20A65**	**20A65**
[1] Remote Outdoor Air Temperature Sensor		**X2658**	**X2658**	**X2658**	**X2658**	**X2658**	**X2658**	**X2658**
Controls	Basic 2 Speed Control	**Y8249**	**Y8249**	**Y8249**	**Y8249**	**Y8249**	**Y8249**	**Y8249**
	Digital 5 Speed/4 Mode Control	**Y8250**	**Y8250**	**Y8250**	**Y8250**	**Y8250**	**Y8250**	**Y8250**
	Wired 20/40/60 Minute Fan Timer	**Y2169**	**Y2169**	**Y2169**	**Y2169**	**Y2169**	**Y2169**	**Y2169**
	[2] Wireless 20/40/60 Minute Fan Timer	**Y8251**	**Y8251**	**Y8251**	**Y8251**	**Y8251**	**Y8251**	**Y8251**
	Wireless Repeater	**Y8252**	**Y8252**	**Y8252**	**Y8252**	**Y8252**	**Y8252**	**Y8252**
[2] Dual Hood		**Y3813**	**Y3813**	**Y3813**	**Y3813**	**Y3813**	**Y3813**	**Y3813**
Duct Heaters	6 in. diameter (1 kW)	**97E73**	**97E73**	**97E73**	**97E73**	**97E73**	**97E73**	**97E73**
	6 in. diameter (2 kW)	**20N16**	**20N16**	**20N16**	**20N16**	**20N16**	**20N16**	**20N16**
	7 in. diameter (2 kW)	**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
	Amps - 1 kW Heater	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
[4] Flexible Ducts - No. & dia. - in.		(2) 5	(2) 5	(2) 6	(2) 6	(2) 6	(2) 6	(2) 6
Hinged Kitchen Exhaust Grille		**18N48**	**18N48**	**18N48**	**18N48**	**18N48**	**18N48**	**18N48**
Round Diffusers	4 in. diameter	**92E54**	**92E54**	**92E54**	**92E54**	**92E54**	**92E54**	**92E54**
	5 in. diameter	**92E55**	**92E55**	**92E55**	**92E55**	**92E55**	**92E55**	**92E55**
	6 in. diameter	**92E56**	**92E56**	**92E56**	**92E56**	**92E56**	**92E56**	**92E56**
	8 in. diameter	**56N81**	**56N81**	**56N81**	**56N81**	**56N81**	**56N81**	**56N81**
[5] Weatherhood Kit (2 per kit)	5 in. diameter	**92E66**	**92E66**	**92E66**	**92E66**	**92E66**	**92E66**	**92E66**
	6 in. diameter	**95P07**	**95P07**	**95P07**	**95P07**	**95P07**	**95P07**	**95P07**
	7 in. diameter	**17N11**	**17N11**	**17N11**	**17N11**	**17N11**	**17N11**	**17N11**

[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 EDA applications

[2] Wireless Timer (**Y8251**) is only compatible with Basic or Digital Control. For S30 or E30 use Wired Timer (**Y2169**).

[3] See Dual Hood Pressure Drop/Airflow Charts for applications.

[4] Contact your Territory Manager for additional information.

[5] Two Required, one for fresh air intake, one for stale air exhaust.

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OPTIONAL ACCESSORIES - ERV - ORDER SEPARATELY

Model No.		ERV5-130	ERV5-150-TPD	ERV5-175-TPD
Air Filters - MERV 13 (4 per order)		**20A90**	**20A91**	**20A91**
Backdraft Damper	6 in. diameter	**Y3727**	**Y3727**	**Y3727**
Butterfly Damper	6 inch diameter	Furnished	Furnished	Furnished
iComfort® Controls	S30 Ultra-Smart Thermostat	**19V30**	**19V30**	**19V30**
	E30 Smart Thermostat	**20A65**	**20A65**	**20A65**
Controls	Basic 2 Speed Control	**Y8249**	**Y8249**	**Y8249**
	Digital 5 Speed/4 Mode Control	**Y8250**	**Y8250**	**Y8250**
	Wired 20/40/60 Minute Fan Timer	**Y2169**	**Y2169**	**Y2169**
	[1] Wireless 20/40/60 Minute Fan Timer	**Y8251**	**Y8251**	**Y8251**
	Wireless Repeater	**Y8252**	**Y8252**	**Y8252**
[2] Dual Hood		**Y3813**	**Y3813**	**Y3813**
Duct Heaters	6 in. diameter (1 kW)	**97E73**	**97E73**	**97E73**
	6 in. diameter (2 kW)	**20N16**	**20N16**	**20N16**
	7 in. diameter (2 kW)	**97E74**	**97E74**	**97E74**
	Voltage/Phase (60 Hz)	120/1	120/1	120/1
	Amps - 1 kW Heater	8.3	8.3	8.3
	Amps - 2 kW Heaters	16.7	16.7	16.7
[3] Flexible Ducts - No. & dia. - in.		(2) 6	(2) 6	(2) 6
Hinged Kitchen Exhaust Grille		**18N48**	**18N48**	**18N48**
Round Diffusers	4 in. diameter	**92E54**	**92E54**	**92E54**
	5 in. diameter	**92E55**	**92E55**	**92E55**
	6 in. diameter	**92E56**	**92E56**	**92E56**
	8 in. diameter	**56N81**	**56N81**	**56N81**
[3] Weatherhood Kit (2 per kit)	5 in. diameter	**92E66**	**92E66**	**92E66**
	6 in. diameter	**95P07**	**95P07**	**95P07**
	7 in. diameter	**17N11**	**17N11**	**17N11**

[1] Wireless Timer (**Y8251**) is only compatible with Basic or Digital Control. For S30 or E30 use Wired Timer (**Y2169**).
[2] See Dual Hood Pressure Drop/Airflow Charts for applications.
[3] Contact your Territory Manager for additional information.
[4] Two Required, one for fresh air intake, one for stale air exhaust.

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RESIDENTIAL PRODUCT CATALOG

Whole-Home Dehumidifier-Nominal Capacity - 80 to 130 pints per day

Page 25
January 2022
Supersedes July 2021

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

Evaporator Coil

- Aluminum coil for superior corrosion resistance

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 bearing
- 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
- 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

LIMITED WARRANTY

- All covered components – Limited five year warranty in residential applications, one year in non-residential applications

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

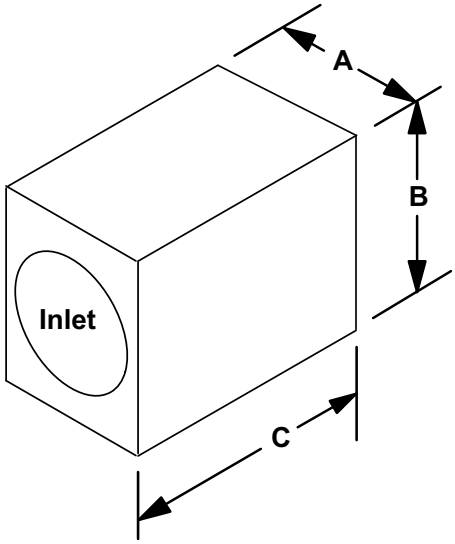
REQUIRED COMPONENTS

- Drain Pan

ACCESSORIES

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- Whole-Home Dehumidistat
- Basement Kit
- Ventilation and Zone Dampers
- Outdoor Air Temperature Sensor
- Discharge Air Temperature Sensor
- Transformer

DIMENSIONS



Model	A	B	[1] C
HCWHD4-080	14 (356)	15-3/8 (397)	34 (752)
HCWHD4-095	14 (356)	15-3/8 (397)	34 (752)
HCWHD4-130	19-1/2 (495)	18-3/4 (476)	38 (965)

[1] Overall length includes duct connections.

ENERGY STAR

C US

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SPECIFICATIONS

Model No.		HCWHD4-080	HCWHD4-100	HCWHD4-130
Energy Star Qualified		Yes	Yes	Yes
Capacity		[1] 80 pints per day	[2] 100 pints per day	[3] 130 pints per day
Energy Factor		[1] 2.81 L/kW-h	[2] 2.61 L/kW-h	[3] 2.9L/kW-h
Capacity in Non-Rating Conditions		70°F / 60% RH = 62 ppd	70°F / 60% RH = 76 ppd	70°F / 60% RH = 99 ppd
		60°F / 60% RH = 44 ppd @ 185 cfm	60°F / 60% RH = 53 ppd @ 280 cfm	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	45	55	50
	Unducted	49	59	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 (external static pressure - dry coil)	185 cfm @ 0.0 in. w.c.	280 cfm @ 0.0 in. w.c.	310 cfm @ 0.0 in. w.c.
		135 cfm @ 0.2 in. w.c.	245 cfm @ 0.2 in. w.c.	270 cfm @ 0.2 in. w.c.
		85 cfm @ [5] 0.4 in. w.c.	210 cfm @ 0.4 in. w.c.	225 cfm @ 0.4 in. w.c.
		- - -	175 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, MERV 8	Washable, MERV 8	Washable, MERV 8
	Size - in.	12 x 14 x 1	12 x 14 x 1	14 x 19 x 1
Shipping Weight - lbs.		81	82	113

ELECTRICAL DATA

	Line voltage data - 60 hz - 1ph	110/120V	110/120V	110/120V
	[5] Maximum overcurrent protection (amps)	15	15	15
	[5] Minimum Circuit Ampacity	8.42	11.23	11.51
	Rated amperage (amps)	[1] 5.1	[2] 6.9	[3] 8.3
	Maximum normal operation amps	6.03	9.9	10.4
Compressor	Compressor rated load (amps)	6.45	8	9.4
	Compressor locked rotor (amps)	34	37	54
	Blower rated power (watts)	60	135	124
	Power connection	8 ft., 3-prong power cord		

[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 185 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 280 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] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

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REQUIRED COMPONENTS

Model No.	HCWHD4-080	HCWHD4-100	HCWHD4-130
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 Transformers	Damper Transformer 24V, 40VA (hardwired, operates 1 damper only)	**22N03**	**22N03**	**22N03**
	Damper Transformer 24V, 40VA (plug in, operates up to 4 dampers)	**Y7128**	**Y7128**	**Y7128**

OPTIONAL CONTROLS

iComfort® S30 Ultra-Smart Wi-Fi Thermostat	**19V30**	**19V30**	**19V30**
Equipment Interface Module (EIM) - Required with iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Dual-Fuel capable non-communicating heat pumps)	**10T50**	**10T50**	**10T50**
iComfort® E30 Smart Wi-Fi Thermostat	**20A65**	**20A65**	**20A65**
[1] Discharge Air Temperature Sensor	**88K38**	**88K38**	**88K38**
ComfortSense® 7500 Thermostat	**13H14**	**13H14**	**13H14**
[2] Remote Outdoor Air Temperature Sensor	**X2658**	**X2658**	**X2658**
[1] Discharge Air Temperature Sensor	**88K38**	**88K38**	**88K38**
ComfortSense® 7500 Thermostat	**13H14**	**13H14**	**13H14**
Whole-Home Dehumidistat	**Y6456**	**Y6456**	**Y6456**
[3] Outdoor Air Temperature Sensor	**58N66**	**58N66**	**58N66**

[1] Optional for service diagnostics for communicating outdoor and indoor units (E30/S30 thermostats).
[2] Remote Outdoor Air Temperature Sensor allows the thermostat to display outdoor temperature.
[3] Required for Automatic Ventilation Modes. Connects directly to dehumidifier.

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RESIDENTIAL PRODUCT CATALOG

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

- iComfort® S30 Ultra-Smart Wi-Fi Thermostat
- ComfortSense® 7500 Thermostat 2 Heat/2 Cool, Universal

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

NOTE - Transformer required when EDA unit is installed with a two-stage heat pump system.

LIMITED WARRANTY

- Five years limited warranty in residential applications.

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

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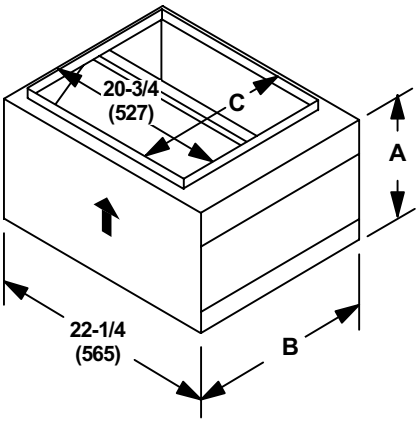

DIMENSIONS

Model	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 Ultra-Smart Wi-Fi Thermostat (4 heat / 2 cool)	**19V30**	**19V30**	**19V30**
iComfort® E30 Smart Wi-Fi Thermostat (3 heat / 2 cool)	**20A65**	**20A65**	**20A65**
[1] **Discharge Air Temperature Sensor** (for E30/S30)	**88K38**	**88K38**	**88K38**
iComfort® M30 Smart Wi-Fi Thermostat (4 heat / 2 cool)	**15Z69**	**15Z69**	**15Z69**
ComfortSense® 7500 Thermostat (4 heat / 2 cool)	**13H14**	**13H14**	**13H14**
ComfortSense® 7500 Commercial Thermostat (4 heat / 2 cool)	**13H15**	**13H15**	**13H15**
[2] **Remote Outdoor Temperature Sensor** (all thermostats) (for dual fuel, Humiditrol® and outdoor temperature display)	**X2658**	**X2658**	**X2658**
Dehumidification Relay Kit (for CBA27UHE air handlers)	**26W62**	**26W62**	**26W62**

[1] Optional for service diagnostics.

[2] 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.

REQUIRED COMPONENTS - ORDER SEPARATELY

Model No.	EDA-024B	EDA-036C	EDA-060D
ELECTRICAL			
[1] Transformer	**12P61** - 75VA, 120/208/240V primary, 24VAC secondary		
REFRIGERATION			
Insulation and Piping Kits	See EDA Match-Up tables for usage		

[1] 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.
13ACX					
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					
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**
16ACX					
16ACX-024	**EDA-024B**	0.32	3.5	129	**98M22**
16ACX-036	**EDA-036C**	0.39	3.4	192	**98M62**
16ACX-048	**EDA-060D**	0.43	3.2	234	**98M62**
16ACX-060	**EDA-060D**	0.45	3.2	298	**98M22**
EL16XC1					
EL16XC1-018	**EDA-024B**	0.25	3.6	100	**98M62**
EL16XC1-024	**EDA-024B**	0.30	3.6	126	**98M62**
EL16XC1-030	**EDA-036C**	0.32	3.3	142	**98M62**
EL16XC1(-)(S)036	**EDA-036C**	0.36	3.5	173	**98M62**
EL16XC1-042	**EDA-060D**	0.41	3.3	203	**98M62**
EL16XC1-048	**EDA-060D**	0.40	3.3	260	**98M62**
EL16XC1-060	**EDA-060D**	0.39	3.5	308	**98M22**
ML14ACX					
ML14XC1(-)(S)018	**EDA-024B**	0.25	3.6	100	**98M62**
ML14XC1(-)(S)024	**EDA-024B**	0.30	3.6	126	**98M62**
ML14XC1(-)(S)030	**EDA-036C**	0.32	3.3	142	**98M62**
ML14XC1(-)(S)036	**EDA-036C**	0.36	3.5	173	**98M62**
ML14XC1(-)(S)042	**EDA-060D**	0.41	3.3	203	**98M62**
ML14XC1-048	**EDA-060D**	0.40	3.3	260	**98M62**
ML14XC1-060	**EDA-060D**	0.39	3.5	308	**98M22**

SYSTEM MATCHES:

Must be one of the furnace or air handler models listed in the System Decision Tree (See page 40) and must be a certified AHRI system match-up (please visit www.LennoxPROs.com or https://www.ahridirectory.org).

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.

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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.
SL18XC1					
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**
SSB					
SSB036H4A	**EDA-036C**	0.39	3.4	192	**98M62**
SSB048H4A	**EDA-060D**	0.43	3.2	234	**98M62**
SSB060H4A	**EDA-060D**	0.45	3.2	298	**98M22**
TSAH4					
TSA036H4	**EDA-036C**	0.36	3.5	173	**98M62**
TSA042H4	**EDA-060D**	0.41	3.3	203	**98M62**
TSA048H4	**EDA-060D**	0.40	3.3	260	**98M62**
TSA060H4	**EDA-060D**	0.39	3.5	308	**98M22**
TSAS4					
TSA036S4	**EDA-036C**	0.33	3.5	189	**98M62**
TSA042S4	**EDA-060D**	0.38	3.4	216	**98M62**
TSA048S4	**EDA-060D**	0.39	3.4	253	**98M62**
TSA060S4	**EDA-060D**	0.39	3.4	317	**98M62**
XC13N					
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**
XC14					
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**

SYSTEM MATCHES:

Must be one of the furnace or air handler models listed in the System Decision Tree (See page 40) and must be a certified AHRI system match-up (please visit www.LennoxPROs.com or https://www.ahridirectory.org).

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.

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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.
XC16					
XC16-024	**EDA-024B**	0.32	3.5	129	**98M22**
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**
XC21					
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 System Decision Tree (See page 40) and must be a certified AHRI system match-up (please visit www.LennoxPROs.com or https://www.ahridirectory.org).

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.
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- Typical unit S/T at this condition Without EDA is approximately 0.53 - 0.60.
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CBA27UHE AIR HANDLER ADJUSTMENTS - AIR CONDITIONERS

13ACXN
13ACXN018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
13ACXN024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
13ACXN030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
13ACXN036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liter per day -2.0
13ACXN036 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
13ACXN042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
13ACXN042 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
13ACXN048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
13ACXN048 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1
13ACXN060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1
14ACX
14ACX (-)(S) 018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
14ACX (-)(S) 024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
14ACX (-)(S) 030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
14ACX (-)(S) 036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
14ACX (-)(S) 042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
14ACX-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
14ACX-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
16ACX
16ACX-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
16ACX-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
16ACX-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
16ACX-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
EL16XC1
EL16XC1-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
EL16XC1-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
EL16XC1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
EL16XC1(-)(S)036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
EL16XC1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
EL16XC1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
EL16XC1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
ML14XC1
ML14XC1 (-)(S) 018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
ML14XC1 (-)(S) 024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
ML14XC1 (-)(S) 030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
ML14XC1 (-)(S) 036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
ML14XC1 (-)(S) 042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
ML14XC1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
ML14XC1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
SL18XC1
SL18XC1-024 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
SL18XC1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
SL18XC1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
SL18XC1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
SL18XC1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
SL18XC1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
SSB
SSB036H4 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
SSB048H4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03

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CBA27UHE AIR HANDLER ADJUSTMENTS - AIR CONDITIONERS

SSB060H4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
TSAH4
TSA036H4 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
TSA042H4 + CBA27UHE-042 or CBX40UHV-042 - Rating Adjustment: S/T +0.02
TSA048H4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
TSA060H4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
TSAS4
TSA036S4 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liter per day -2.0
TSA036S4 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
TSA042S4 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
TSA042S4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
TSA048S4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
TSA048S4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1
TSA060S4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1
XC13N
XC13N-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
XC13N-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
XC13N-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
XC13N-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XC13N-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
XC13N-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
XC13N-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
XC14
XC14-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
XC14-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
XC14-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
XC14(-)(S)036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XC14-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
XC14-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
XC14-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
XC16
XC16-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
XC16-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XC16-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03.
XC16-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
SL18XC1
SL18XC1-024 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
SL18XC1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
SL18XC1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
SL18XC1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
SL18XC1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
SL18XC1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
XC21
XC21-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
XC21-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XC21-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
XC21-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2, liters per kWh -0.1

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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					
14HPX-018	**EDA-024B**	0.26	3.5	96	**98M22**
14HPX-024	**EDA-024B**	0.36	3.6	130	**98M62**
14HPX-030	**EDA-036C**	0.34	3.3	145	**98M62**
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**
16HPX					
16HPX-024	**EDA-024B**	0.33	3.2	125	**94M44**
16HPX-036	**EDA-036C**	0.34	2.7	157	**94M44**
16HPX-048	**EDA-060D**	0.46	3.2	244	**98M22**
16HPX-060	**EDA-060D**	0.43	3.1	299	**98M22**
EL15XP1					
EL15XP1-018	**EDA-024B**	0.26	3.5	96	**98M22**
EL15XP1-024	**EDA-024B**	0.36	3.6	130	**98M62**
EL15XP1-030	**EDA-036C**	0.34	3.3	145	**98M62**
EL15XP1-036	**EDA-036C**	0.41	3.3	165	**94M44**
EL15XP1-042	**EDA-060D**	0.39	3.5	218	**98M22**
EL15XP1-048	**EDA-060D**	0.44	3.5	250	**98M22**
EL15XP1-060	**EDA-060D**	0.40	3.5	304	**98M22**
EL16XP1					
EL16XP1-018	**EDA-024B**	0.26	3.5	96	**98M22**
EL16XP1-024	**EDA-024B**	0.36	3.6	130	**98M22**
EL16XP1-030	**EDA-036C**	0.34	3.3	145	**98M22**
EL16XP1-036	**EDA-036C**	0.41	3.3	165	**98M22**
EL16XP1-042	**EDA-060D**	0.39	3.5	218	**98M22**
EL16XP1-048	**EDA-060D**	0.44	3.5	250	**98M22**
EL16XP1-060	**EDA-060D**	0.40	3.5	304	**98M22**
ML14XP1					
ML14XP1-018	**EDA-024B**	0.26	3.5	96	**98M22**
ML14XP1-024	**EDA-024B**	0.36	3.6	130	**98M62**
ML14XP1-030	**EDA-036C**	0.34	3.3	145	**98M62**
ML14XP1-036	**EDA-036C**	0.41	3.3	165	**94M44**
ML14XP1-042	**EDA-060D**	0.39	3.5	218	**98M22**
ML14XP1-048	**EDA-060D**	0.44	3.5	250	**98M22**
ML14XP1-060	**EDA-060D**	0.40	3.5	304	**98M22**
ML16XP1					
ML16XP1-018	**EDA-024B**	0.26	3.5	96	**98M22**
ML16XP1-024	**EDA-024B**	0.36	3.6	130	**98M22**

SYSTEM MATCHES:

Must be one of the furnace or air handler models listed in the System Decision Tree (See page 40) and must be a certified AHRI system match-up (please visit www.LennoxPROs.com or https://www.ahridirectory.org).

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.

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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.
ML16XP1-030	**EDA-036C**	0.34	3.3	145	**98M22**
ML16XP1-036	**EDA-036C**	0.41	3.3	165	**98M22**
ML16XP1-042	**EDA-060D**	0.39	3.5	218	**98M22**
ML16XP1-048	**EDA-060D**	0.44	3.5	250	**98M22**
ML16XP1-060	**EDA-060D**	0.40	3.5	304	**98M22**
SL18XP1					
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**
SPB					
SPB036H4A	**EDA-036C**	0.34	2.7	127	**94M44**
SPB048H4A	**EDA-060D**	0.46	3.2	244	**98M22**
SPB060H4A	**EDA-060D**	0.43	3.1	299	**98M22**
TPA*H4					
TPA036H4	**EDA-036C**	0.41	3.3	165	**94M44**
TPA042H4	**EDA-060D**	0.39	3.5	218	**94M44**
TPA048H4	**EDA-060D**	0.44	3.5	250	**98M22**
TPA060H4	**EDA-060D**	0.40	3.5	304	**94M44**
XP14					
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					
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**
XP21					
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 System Decision Tree (See page 40) and must be a certified AHRI system match-up (please visit www.LennoxPROs.com or https://www.ahridirectory.org).

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.

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CBA27UHE AIR HANDLER ADJUSTMENTS - HEAT PUMPS

14HPX
14HPX-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
14HPX-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
14HPX-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
14HPX-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
14HPX-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
14HPX-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
14HPX-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
16HPX
16HPX-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
16HPX-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
16HPX-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
16HPX-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
EL15XP1
EL15XP1-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
EL15XP1-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
EL15XP1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
EL15XP1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
EL15XP1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
EL15XP1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
EL15XP1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
EL16XP1
EL16XP1-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
EL16XP1-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
EL16XP1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
EL16XP1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
EL16XP1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
EL16XP1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
EL16XP1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
ML14XP1
ML14XP1-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
ML14XP1-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
ML14XP1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
ML14XP1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
ML14XP1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
ML14XP1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
ML14XP1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
ML16XP1
ML16XP1-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
ML16XP1-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
ML16XP1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
ML16XP1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
ML16XP1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
ML16XP1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
ML16XP1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1

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CBA27UHE AIR HANDLER ADJUSTMENTS - HEAT PUMPS

SL18XP1
SL18XP1-024 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
SL18XP1-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
SL18XP1-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
SL18XP1-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
SL18XP1-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
SL18XP1-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
SPB
SPB036H4 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
SPB048H4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
SPB060H4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
TPA*H4
TPA036H4 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
TPA042H4 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
TPA048H4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
TPA060H4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
TPA*S4
TPA036S4 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liter per day -2.0
TPA036S4 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
TPA042S4 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
TPA042S4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
TPA048S4 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
TPA048S4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1
TPA060S4 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liter per day -2.0, liters per kWh -0.1
XP14
XP14-018 + CBA27UHE-018 - Rating Adjustment: S/T +0.06, liters per day -1.4
XP14-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
XP14-030 + CBA27UHE-030 - Rating Adjustment: S/T +0.07, liters per day -2.0, liters per kWh -0.1
XP14-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XP14-042 + CBA27UHE-042 - Rating Adjustment: S/T +0.02
XP14-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
XP14-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
XP16
XP16-024 + CBA27UHE-024 - Rating Adjustment: S/T +0.03, liters per day -1.0
XP16-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XP16-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03.
XP16-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2.0, liters per kWh -0.1
XP21
XP21-036 + CBA27UHE-036 - Rating Adjustment: S/T +0.04, liters per day -2.0
XP21-048 + CBA27UHE-048 - Rating Adjustment: S/T +0.03
XP21-060 + CBA27UHE-060 - Rating Adjustment: S/T +0.02, liters per day -2, liters per kWh -0.1

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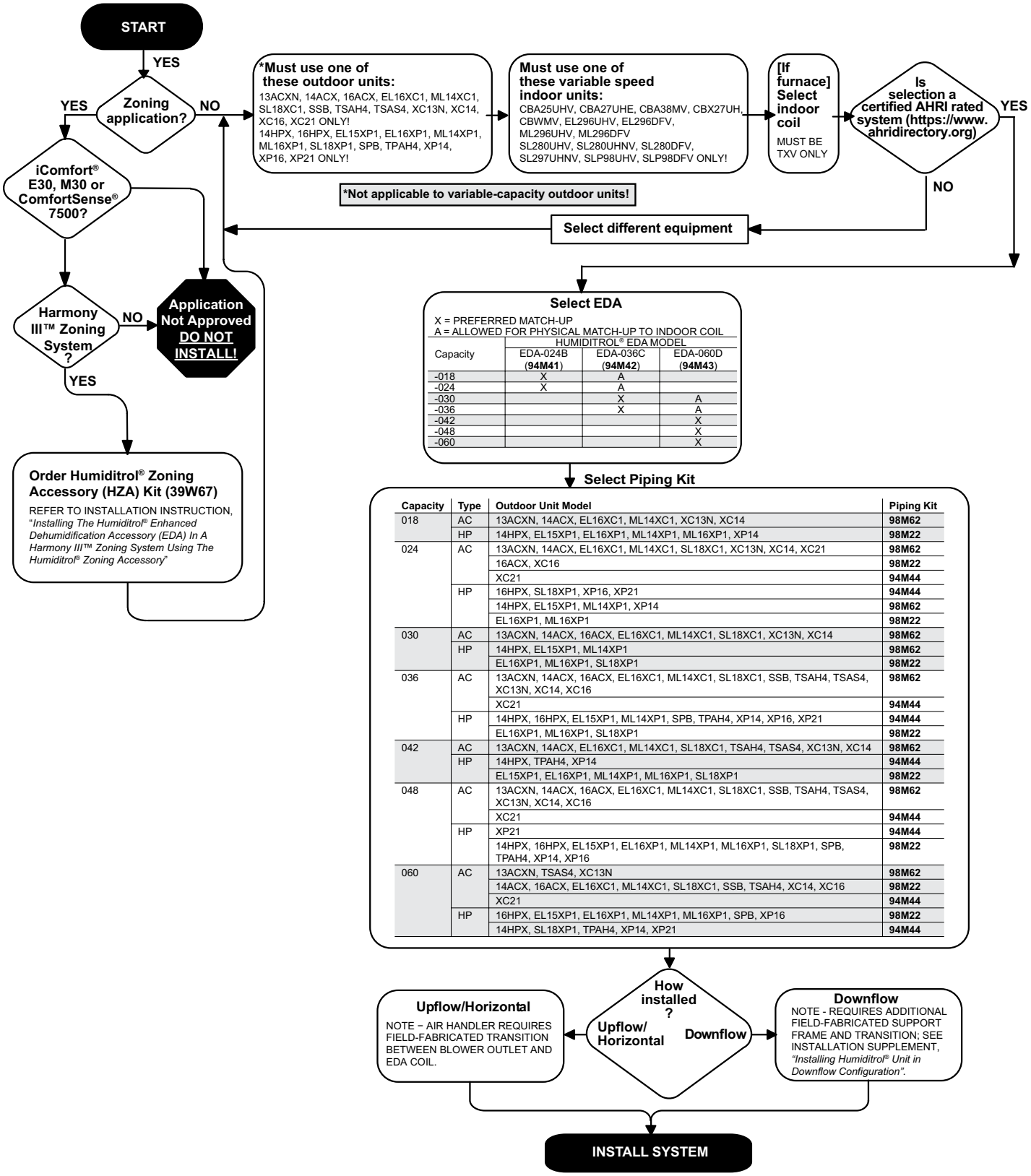
SYSTEM DECISION TREE



Capacity	Type	Outdoor Unit Model	Piping Kit
018	AC	13ACXN, 14ACX, EL16XC1, ML14XC1, XC13N, XC14	98M62
	HP	14HPX, EL15XP1, EL16XP1, ML14XP1, ML16XP1, XP14	98M22
024	AC	13ACXN, 14ACX, EL16XC1, ML14XC1, SL18XC1, XC13N, XC14, XC21	98M62
		16ACX, XC16	98M22
		XC21	94M44
	HP	16HPX, SL18XP1, XP16, XP21	94M44
		14HPX, EL15XP1, ML14XP1, XP14	98M62
		EL16XP1, ML16XP1	98M22
030	AC	13ACXN, 14ACX, 16ACX, EL16XC1, ML14XC1, SL18XC1, XC13N, XC14	98M62
	HP	14HPX, EL15XP1, ML14XP1	98M62
		EL16XP1, ML16XP1, SL18XP1	98M22
036	AC	13ACXN, 14ACX, 16ACX, EL16XC1, ML14XC1, SL18XC1, SSB, TSAH4, TSAS4, XC13N, XC14, XC16	98M62
		XC21	94M44
	HP	14HPX, 16HPX, EL15XP1, ML14XP1, SPB, TPAH4, XP14, XP16, XP21	94M44
		EL16XP1, ML16XP1, SL18XP1	98M22
042	AC	13ACXN, 14ACX, EL16XC1, ML14XC1, SL18XC1, TSAH4, TSAS4, XC13N, XC14	98M62
	HP	14HPX, TPAH4, XP14	94M44
		EL15XP1, EL16XP1, ML14XP1, ML16XP1, SL18XP1	98M22
048	AC	13ACXN, 14ACX, 16ACX, EL16XC1, ML14XC1, SL18XC1, SSB, TSAH4, TSAS4, XC13N, XC14, XC16	98M62
		XC21	94M44
	HP	XP21	94M44
		14HPX, 16HPX, EL15XP1, EL16XP1, ML14XP1, ML16XP1, SL18XP1, SPB, TPAH4, XP14, XP16	98M22
060	AC	13ACXN, TSAS4, XC13N	98M62
		14ACX, 16ACX, EL16XC1, ML14XC1, SL18XC1, SSB, TSAH4, XC14, XC16	98M22
		XC21	94M44
	HP	16HPX, EL15XP1, EL16XP1, ML14XP1, ML16XP1, SPB, XP16	98M22
		14HPX, SL18XP1, TPAH4, XP14, XP21	94M44

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RESIDENTIAL PRODUCT CATALOG

Zoning System for Residential Communicating, Variable Air Volume Heating/Cooling Systems

Page 1
January 2022
Supersedes July 2021

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 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 Ultra-Smart Wi-Fi zone 1 (master) thermostat

COMPONENTS

System Components

- iHarmony® Damper Control Module (DCM)
- iComfort® S30 Ultra-Smart Wi-Fi Thermostat (Zone 1 master)
- iHarmony® Zone Sensor (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 Single Stage Air Conditioner (two zones)
- SL18XP1 Single Stage Heat Pump (two zones)
- XC21 Two-Stage Air Conditioner (up to four zones)
- XP21 Two-Stage Heat Pump (up to four zones)
- 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
- SL297NV Two-Stage
- SLP98V Variable Capacity

Variable Speed Air Handlers

- CBA38MV

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 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 iHarmony® Zone Sensors - Five Years

NOTE - 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.

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SYSTEM COMPONENTS ORDERING

Description					Catalog No.
iComfort® S30 Thermostat (Zone1 Master)					**19V30**
[1] **Optional Outdoor Air Temperature Sensor**					**X2658**
Damper Control Module (DCM) (Discharge Air Temperature Sensor furnished)					**10C16**
iHarmony® Zone Sensor - One per zones 2, 3 and 4					**17A30**
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			3/8 in. (Open 29°F / Close 58°F)		**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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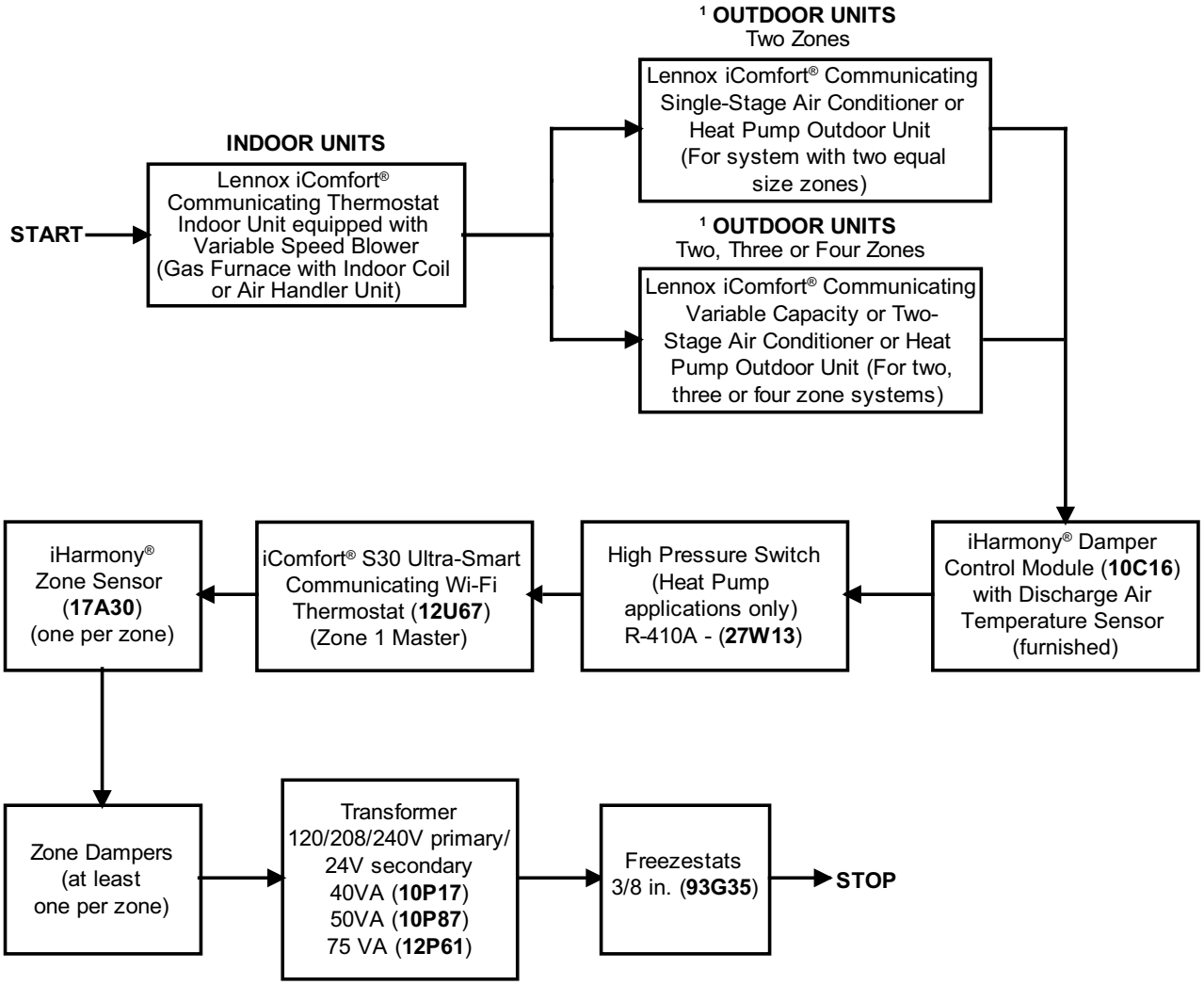
COMPONENT SELECTION



[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.

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RESIDENTIAL PRODUCT CATALOG

Zone Control for Residential, Variable Air Volume Heating/Cooling Systems

Page 5
January 2022
Supersedes July 2021

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)

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

LIMITED WARRANTY

- Zone Control Panel - Two years

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

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.

See Accessories 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

NOTE - Power-open/spring-close and power-open/power-close dampers can be used

NOTE - 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**

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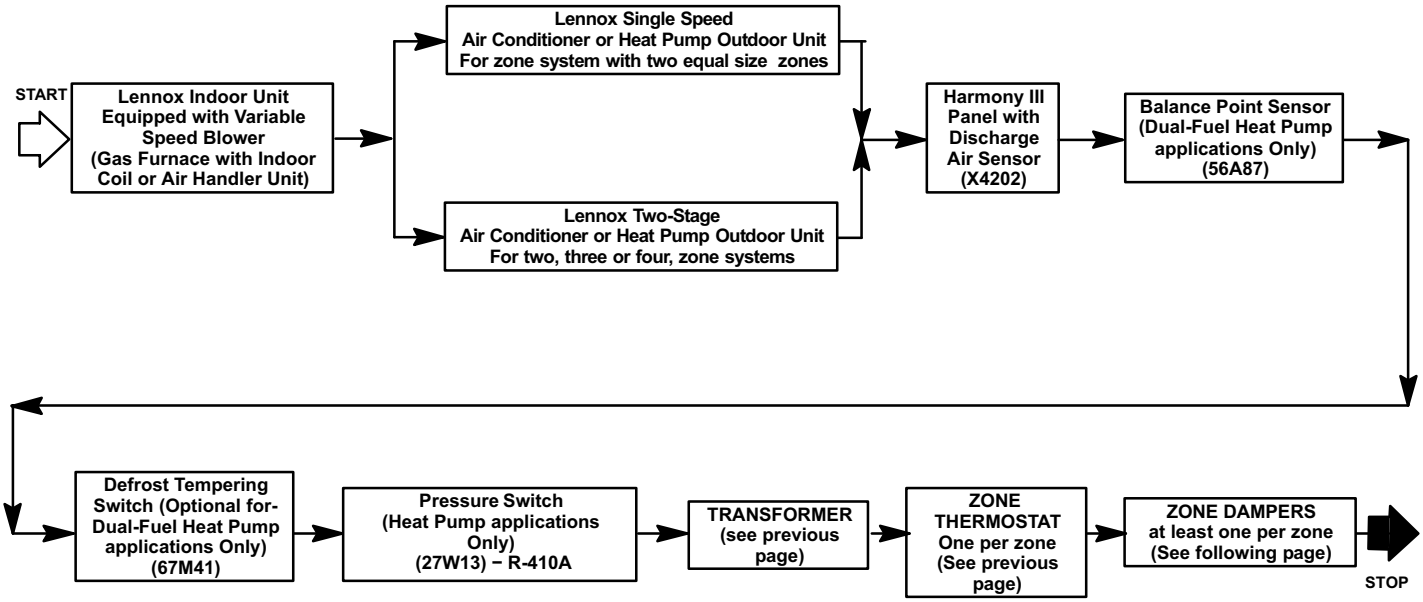
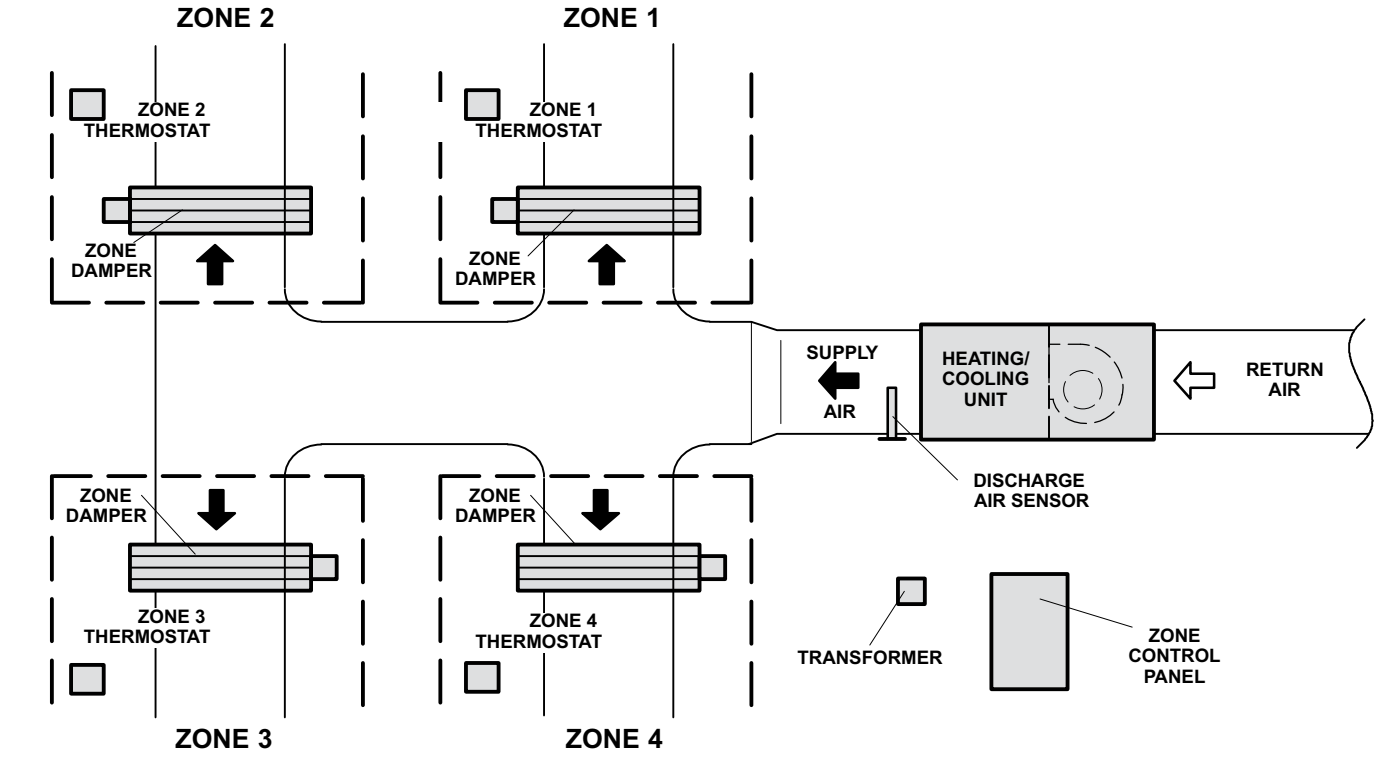
COMPONENT SELECTION



TYPICAL SYSTEM LAYOUT



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RESIDENTIAL PRODUCT CATALOG

Four Zone Control Panel
For Residential, Non-Variable Air Volume, Heating/Cooling Systems

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January 2022
Supersedes July 2021

FEATURES

Zoning System

- LZP-4 Zone Control Panel **(Y7768)** 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

NOTE - 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): 14-3/4 x 8-7/8 x 1-7/8 in.
- Shipping weight: 3 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

- Zone Control Panel - Two years

NOTE - 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

Zone Thermostats

Any single-stage, heating/cooling, digital, electronic thermostat with 24VAC common terminal may be used

- **20A65** - iComfort® E30 Smart Wi-Fi Thermostat - 3 Heat / 2 Cool, Universal
- **15Z69** - iComfort® M30 Smart Wi-Fi Thermostat - 4 Heat / 2 Cool, Universal
- **13H15** - ComfortSense® 7500 Programmable Touchscreen - 4 Heat / 2 Cool, Universal
- **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

Zone Damper and Bypass Dampers

- See Price Book for selection

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Dual Zone Control Panel
For Residential, Non-Variable Air Volume, Heating/Cooling Systems

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January 2022
Supersedes July 2021

NOTE - Not Available For Heat Pump Systems!

FEATURES

Zoning System

- LZP-2 Zone Control Panel **(Y7766)** 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)

NOTE - 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): 9-5/8 x 8-5/8 x 1-7/8 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

NOTE - 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

Zone Thermostats

Any single-stage, heating/cooling, digital, electronic thermostat with 24VAC common terminal may be used

- **20A65** - iComfort® E30 Smart Wi-Fi Thermostat - 3 Heat / 2 Cool, Universal
- **15Z69** - iComfort® M30 Smart Wi-Fi Thermostat - 4 Heat / 2 Cool, Universal
- **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
- **51M32** - ComfortSense® 3000 Thermostat - 1 Heat/1 Cool, Heat Pump, Non-Programmable

Zone Damper and Bypass Dampers

- See Price Book for selection

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iComfort® S30

4 Heat / 2 Cool

Ultra-Smart Wi-Fi Thermostat

January 2022
Supersedes July 2021

RESIDENTIAL PRODUCT CATALOG

FEATURES

- The iComfort® S30 Ultra Smart 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

icomfort®
So simple. So smart. So comfortable.

- 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
- Weather-On-Demand - Live up-to-date weather data and five-day forecasts

- 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
- 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
- Service Dashboard features online real-time monitoring of installed iComfort® Communicating 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 with Subbase, 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.

REMOTE MONITORING

- Wi-Fi remote monitoring and adjustment through a home wireless network
- Free iComfort® Thermostat App and Mobile Setup App available for use on iPhone®, iPad®, and Android™ devices

Download on the App Store | ANDROID APP ON Google play

Home Automation

- Smart home automation compatible with Apple HomeKit™, Amazon Alexa®, Google Assistant, IFTTT and Control4

Works with Apple HomeKit | WORKS WITH amazon alexa | works with the Google Assistant | Works with IFTTT | CONNECTS WITH Control4

MATCHING PRODUCTS

Air Conditioners/Heat Pumps

- SL28XCV, XC/XP20, XP25, XC21/ XP21, EL18XCV

Furnaces

- SLP99V, SL297V, SL280V, EL196V

Air Handlers

- CBA38M

CONTROL ORDERING INFORMATION

Description	Catalog No.
iComfort® S30 Thermostat - Dimensions (H x W x D) - 5 x 7-1/2 x 1 in.	19V30
Equipment Interface Module (EIM) for non-communicating equipment	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

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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RESIDENTIAL PRODUCT CATALOG

iComfort® Equipment Interface Module (EIM)

January 2022
Supersedes July 2021

FEATURES

- Equipment Interface Module (EIM) allows the iComfort® Communicating 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 [1]outdoor 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® Communicating 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® Communicating 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.

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

ORDERING INFORMATION

Description	Catalog No.
Equipment Interface Module (EIM)	**10T50**
[1] Remote 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.

NOTE - 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®.

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FEATURES

- The iComfort® E30 Wi-Fi 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
- Service Dashboard features online real-time monitoring of installed iComfort® Communicating 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 with Subbase, 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-years in residential applications

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

REMOTE MONITORING

- 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.
- Free iComfort® Thermostat App and Mobile Setup App available for use on iPhone®, iPad®, and Android™ devices

Homeowner

Download on the App Store | ANDROID APP ON Google play

Installer

Download on the App Store | ANDROID APP ON Google play

Home Automation

- Smart home automation compatible with Apple HomeKit™, Amazon Alexa®, Google Assistant and IFTTT

Works with Apple HomeKit | WORKS WITH amazon alexa | works with the Google Assistant | Works with IFTTT

CONTROL ORDERING INFORMATION

Description	Catalog No.
iComfort® E30 Wi-Fi Thermostat - Dimensions (H x W x D) - 5 x 7-1/2 x 1 in.	**20A65**
[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.

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RESIDENTIAL PRODUCT CATALOG

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

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

REMOTE MONITORING

- 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
- Free iComfort® Thermostat App is available for use on iPhone®, iPad®, and Android™ devices

Download on the App Store | ANDROID APP ON Google play

Home Automation

- Smart home automation compatible with Amazon Alexa®, Google Assistant and IFTTT

WORKS WITH amazon alexa

works with the Google Assistant

Works with IFTTT

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.	**15X69**
[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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CONTROLS

ComfortSense® 7500

4 Heat / 2 Cool Universal

Touchscreen 7 Day Programmable Thermostat

January 2022
Supersedes July 2021

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-years in residential applications

NOTE - 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).

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ComfortSense® 5500

1 Heat / 1 Cool (Conventional Cooling Only)

Touchscreen 7-Day Programmable Thermostats

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

ComfortSense®

- Programmable fan offers increased air quality when combined with a whole house air indoor air quality product
- Permanent memory storage of programs
- Wallplate furnished
- 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)

LIMITED WARRANTY

- Five-year in residential applications

NOTE - 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

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CONTROLS
ComfortSense® 3000
L3511C, L3522C, L3532H

5-2 Day Programmable Thermostats

Page 7
January 2022
Supersedes July 2021

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

NOTE - 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

LIMITED WARRANTY

- Two year in residential applications

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

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 (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

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RESIDENTIAL PRODUCT CATALOG

FEATURES

- Large, back-lit, easy-to-read LCD screen
- Digital display offers more accurate control of temperature settings than mechanical controls
- Large push buttons
- 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 suppl
- 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-years in residential applications.

NOTE - 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

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REVISIONS

Sections	Description of Change
Gas Units	• Added Furnace Twinning Panel Y3653 for Constant Torque “E” furnaces (January 2022)
Packaged Gas/Electric	• Added Hurricane Strapping Kit for Rail Mount (January 2022) • Added Adjustable Pitch Clip Curbs (January 2022) • Added Bottom Gas Entry Kit for LRP14GN models (January 2022)
Packaged Electric/Electric	• Added Hurricane Strapping Kit for Rail Mount (January 2022) • Added Adjustable Pitch Clip Curbs (January 2022)
Packaged Heat Pumps	• Added Hurricane Strapping Kit for Rail Mount (January 2022) • Added Adjustable Pitch Clip Curbs (January 2022)