



Residential Hot Water Heat Air Handler

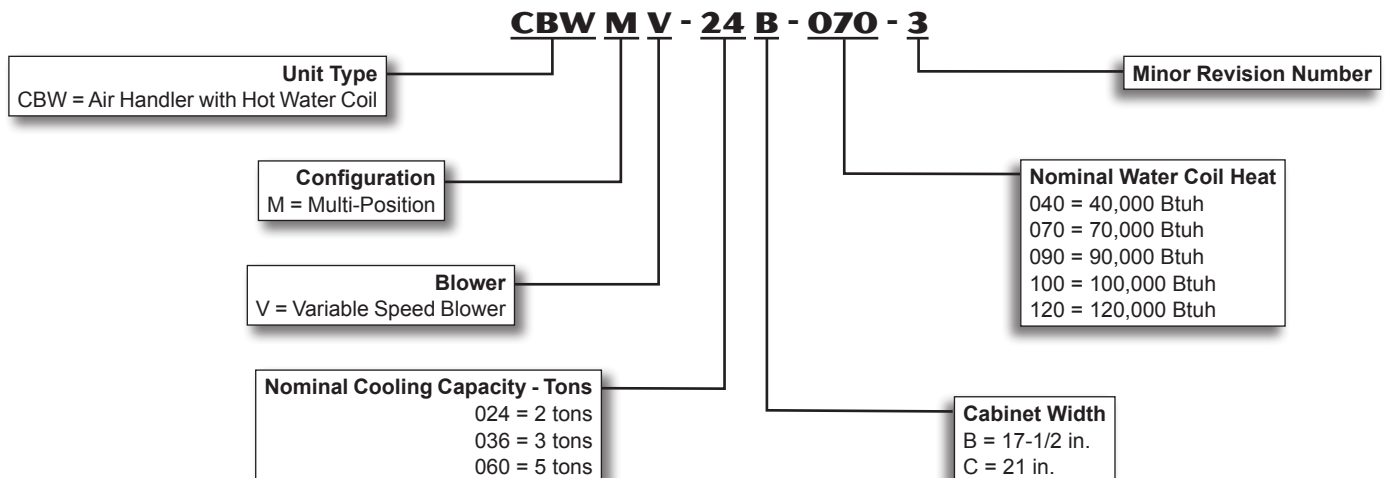
PRODUCT SPECIFICATIONS

Bulletin No. 210434
August 2015
Supersedes June 2014



Heating Capacity - 23,700 to 220,000 Btuh
Nominal Add-On Cooling - 2 to 5 Tons

MODEL NUMBER IDENTIFICATION



FEATURES

CONTENTS

Blower Data	9
Dimensions	6
Dimensions - Furnace/Coil Combined Combinations ..	8
Electrical Data.....	5
Features.....	2
Field Wiring.....	5
Heating Performance.....	10
Installation Clearances	5
Model Number Identification	1
Optional Accessories	5
Optional Accessory Dimensions	7
Specifications.....	5

WARRANTY

All covered components - Limited warranty for ten years limited warranty in residential applications.

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

SEQUENCE OF OPERATION

CBWMV includes supply air blower, hot water coil, and blower control. A circulating pump can be ordered extra for field installation.

After a 45-second (fixed) timed-on delay the blower energizes at heating speed.

After a 30-second (fixed) timed-off delay the supply air blower shuts off.

APPROVALS

Units certified by CSA International.

Blower data from unit tests conducted in Lennox Laboratory air test chamber.

APPLICATION

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

Cannot be used with potable water.

Supply air blower moves the return air past the coil to extract the heat and then distribute the heated air throughout the conditioned space.

CBWMV is a multi-position (upflow, downflow, or horizontal) blower/hot water coil unit.

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

Zoning Applications

Units may be used with certain zoning systems. Zone control panel must be able to interface and communicate with the variable speed blower motor in the unit. Lennox Harmony III™ Zoning System has this capability.



HEATING SYSTEM

1 Hot Water Coil

Corrugated/lanced aluminum fins.

Seamless corrosion resistant copper tubes.

Fin collars grip tubing for maximum contact area.

Flared shoulder tubing connections and silver soldering provides tight, leakproof joints.

Factory tested under high pressure.

Entire coil accessible for cleaning.

Freezestat

Protects system from freezing temperatures when unit is installed in unconditioned areas.

Thermostat automatically energizes circulating pump when water line temperature falls below 45°F.

Optional Accessories

Circulating Pump

Bronze construction, Non-metallic impeller with Carbon bearings.

Self lubricating.

Impedance protected.

Motor and impeller removable as single unit for servicing.

FEATURES

CABINET

- ② Heavy gauge cold rolled steel constructed.
 - Pre-painted cabinet finish.
 - Foil faced fiberglass insulation on hot water coil access door panel, side panels and on back panel reduces cabinet temperatures.
 - Black mat faced fiberglass in blower compartment assures quiet operation.
 - Complete service access by removing hot water coil section and blower compartment access panels.
 - Blower assembly completely removable for easy servicing.
 - Blower deck rails angle down for easy blower removal.
 - Electrical inlets in both sides of the cabinet.
 - Safety interlock switch automatically shuts off power to unit when blower compartment access door is removed.
 - Return air entry on either side or bottom of cabinet.
 - CBWMV is applicable to upflow, horizontal, or downflow installations.

Field Make-up Box

- Furnished for line voltage wiring.
- Box may be installed on either side of CBWMV cabinet.
- Cabinet - continued

Optional Accessories

Horizontal Support Frame Kit

- Provides support of unit in horizontal applications.
- Consists of (2) 1 x 1-1/2 x 32-5/8 in. and (2) 1 x 3 x 53-7/8 in. painted heavy gauge cold rolled steel support channels with assembly and suspending holes.
- Bolts and nuts furnished for field assembly.
- Suspending rods must be field provided.

RAB Return Air Base

- "C" and "D" width bases required with 60C models with air volumes over 1800 cfm in up-flow applications when only one side return is used.
- "B" width base is not required but may also be used to provide clearance in certain applications (if required).
- Cabinet is pre-painted steel to match the furnace.
- See Dimension Drawing.

Air Filter and Rack Kit for Horizontal Return Air (End) Applications

- Washable or vacuum cleanable polyurethane frame type filter and external end return air rack available for field installation.
- Rack has filter door for easy filter servicing.
- Flanges on rack allow easy duct connection.
- See dimension drawing.

Air Filter and Rack Kit for Upflow Side Return Air Applications - Not for use with RAB Return Air Base
Washable or vacuum cleanable polyurethane frame type filter and external side return air rack available for field installation.

Available in single and ten pack kits.

Rack has filter door for easy filter servicing.

Flanges on rack allow easy duct connection.

Field installs on either side of unit cabinet. See dimension drawing.

EZ Filter Base for Upflow Bottom Return Air Applications

Hinged door with thumbscrew for easy filter access.

Uses standard size filters (field provided).

BLOWER

Variable Speed Blower Motor

Variable speed motor (VSM) maintains specified air volume from 0 through 0.80 in. w.g. static range.

Gradual acceleration and deceleration of variable speed blower motor when starting and stopping over a specific time frame results in extremely quiet operation.

Variable speed operation is achieved by the use of an ECM (Electronically Commutated Motor) motor.

Motor is controlled by Electronic Blower Control.

Motor is resiliently mounted.

When units are used with Harmony III™ Zoning System, blower motor operates from predetermined minimum to maximum air volumes to satisfy zone requirements.

③ **Variable Speed Blower**

Each blower assembly statically and dynamically balanced.

Change in blower speed is easily accomplished by simple jumper pin position change on Electronic Blower Control.

Blower assembly completely removable for easy servicing.

See blower performance tables.

FEATURES

CONTROLS

4 Electronic Blower Control

Interfaces variable speed motor with thermostat.

Controls evaporator humidity by controlling blower and compressor speed on two-stage outdoor units.

Two COOL speeds and one HEAT speed (with four different air volume selections for each) are made by simple jumper pins on board.

ADJUST jumper pin allows approximately 10% higher, normal, or 10% lower motor speed selection within HEAT and COOL speeds selected for fine tuning the air volume.

DELAY jumper pin allows selection blower motor dehumidification profiles during cooling mode.

Option 1 - Motor runs at 100% of capacity until demand met. Once demand is met, motor ramps down to stop.

Option 2 - Motor runs at 100% of capacity until demand is satisfied. Motor runs at 100% of capacity for 60 seconds then ramps down to stop.

Option 3 - Motor runs at 82% of capacity for approximately 7-1/2 minutes. If demand is not satisfied, motor runs at 100% capacity until demand is satisfied. Once demand is met, motor ramps down to stop.

Option 4 - Motor runs at 50% capacity for 30 seconds, then 82% capacity for approximately 7-1/2 minutes. If demand is not satisfied, motor runs at 100% capacity until demand is met. Once demand is met, motor runs at 50% capacity for 30 seconds, then ramps down to stop.

Control has two diagnostic indicator lights, "CFM" and "RUN", to assist in servicing.

Accessory relay terminals provide connections for power humidifiers or electronic air cleaners.

Control is factory installed in the unit control box.

24 Volt Transformer

Furnished in CBWMV control box.

Optional Accessories

ComfortSense® 7500 Touchscreen Thermostat

Electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat.

4 Heat/2 Cool.

Auto-changeover.

Dual-fuel control with optional outdoor sensor.

Controls dehumidification during cooling mode and humidification during heating mode.

Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, *Humiditrol*® control, and equipment maintenance reminders.

Easy-to-use, menu driven thermostat with a back-lit, LCD touchscreen.

See the ComfortSense® 7500 Product Specifications bulletin in the Controls section for more information.

Remote Outdoor Temperature Sensor for ComfortSense® 7500 Thermostat

Allows the thermostat to display outdoor temperature. Required in dual-fuel and *Humiditrol*® applications.

Thermostat

Thermostat is not furnished with unit.

See Thermostat bulletins in Controls Section and Lennox Price Book for selection.



SPECIFICATIONS

		Model No.	CBWMV -24B-040	CBWMV -36B-070	CBWMV -36C-090	CBWMV -60C-100	CBWMV -60C-120
Heating Performance	Nominal heating capacity - Btuh		40,000	70,000	90,000	100,000	120,000
	¹ Temperature rise range - °F		32 - 101	45 - 125	51 - 125	41 - 113	45 - 125
Indoor Blower	Wheel nominal diameter x width - in.		10 x 8	10 x 8	10 x 8	11-1/2 x 10	11-1/2 x 10
	Blower motor output - hp		1/2	1/2	1/2	1	1
	Tons of add-on cooling		2 - 3	2 - 3	2 - 3	3.5 - 5	3.5 - 5
Heating Coil	Heating capacity range - Btuh		23,700 - 84,700	30,300 - 123,800	31,400 - 138,400	49,600 - 181,700	55,000 - 220,000
	Net face area - sq. ft.		3.83	3.83	4.33	4.33	4.33
	Tube diameter & no. of rows - in.		3/8 - 1	3/8 - 2	3/8 - 2	3/8 - 2	3/8 - 3
	Fins per inch		16	16	16	16	16
	Required pump flow rate for coil capacity rating - GPM		6	6	9.5	9.5	9.5
Water Line Connections (sweat) - in. I.D.	Inlet		3/4	3/4	1	1	1
	Outlet		3/4	3/4	1	1	1
Shipping Data	lbs. - 1 package		127	144	157	157	165

ELECTRICAL DATA

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

OPTIONAL ACCESSORIES (ORDER SEPARATELY)

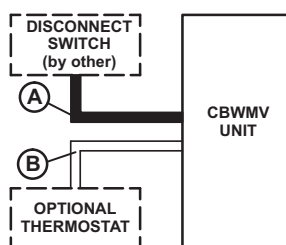
³ Air Filter & Rack Kit	Horizontal (end) - in.	87L96 18 x 25 x 1		87L97 20 x 25 x 1 in.		
	Side Return - in.	Single 44J22 or Ten Pack (66K63) - (1) 16 x 25 x 1				
Circulating Pump	Catalog Number	99K69	99K69	53J76	53J76	53J76
	Motor output - hp	1/40	1/40	1/25	1/25	1/25
	Capacity - U.S. GPM	0-10	0-10	0-14	0-14	0-14
	Pressure drop thru coil @ rated flow - psi	3	3	3	3	3
ComfortSense® 7500 Thermostat		13H14	13H14	13H14	13H14	13H14
Outdoor Temperature Sensor - for ComfortSense® 7500		X2658	X2658	X2658	X2658	X2658
EZ Filter Base	Catalog Number	73P56		73P57		
	Dimensions - H x W x D - in.	4 x 17-5/8 x 28-5/8		4 x 21-5/8 x 28-5/8		
	Size of field provided filter - in.	16 x 25 x 1		20 x 25 x 1		
Horizontal Support Frame Kit		56J18	56J18	56J18	56J18	56J18
RAB Return Air Base		98M60		98M58		

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

² HACR type breaker or fuse.

³ Cleanable polyurethane frame type filter.

FIELD WIRING



- A - Two wire power with ground
- B - Three wire control voltage (Heating Only)
Four wire control voltage (Cooling)
Five wire control voltage (2-Stage Cooling)
- Field wiring not furnished -

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

INSTALLATION CLEARANCES

	CBWMV Upflow / Downflow	CBWMV Horizontal
Sides	0 inches (0 mm)	0 inches (0 mm)
Rear	0 inches (0 mm)	0 inches (0 mm)
Top	0 inches (0 mm)	¹ 0 inches (0 mm)
Front	² 0 inches (0 mm)	² 0 inches (0 mm)
Floor	Combustible	0 inches (0 mm)

NOTE - Termination location must conform to the methods outlined in American National Standard (ANSI-Z223.1) National Fuel Gas Code or National Standard of Canada CAN/CGA-149.1, and CAN/CGA-149.2 "Installation Code for Gas Burning Appliances".

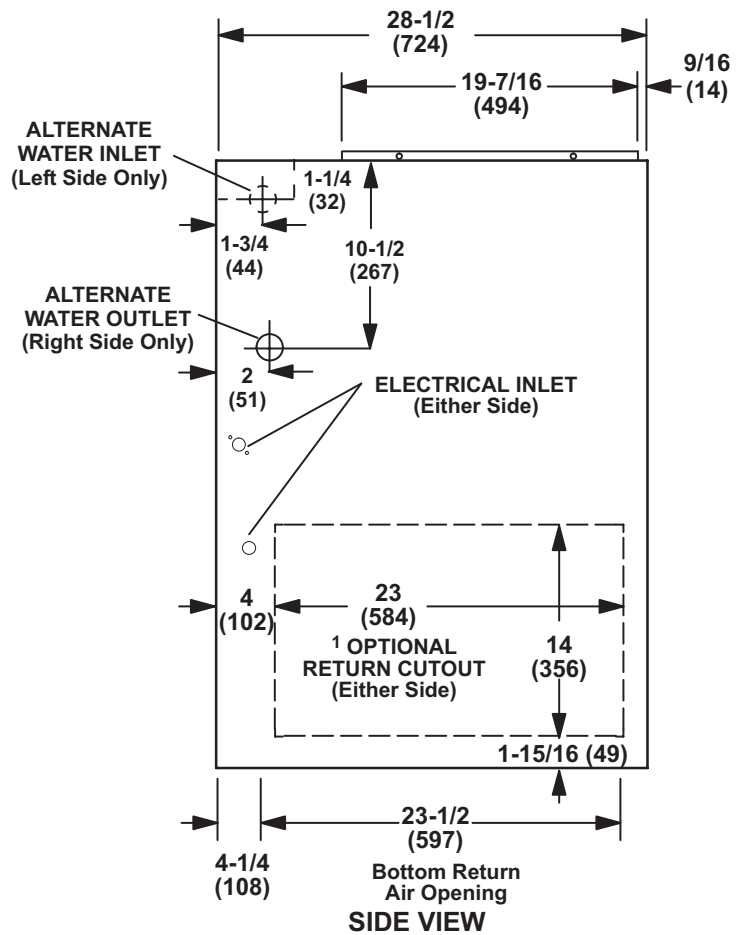
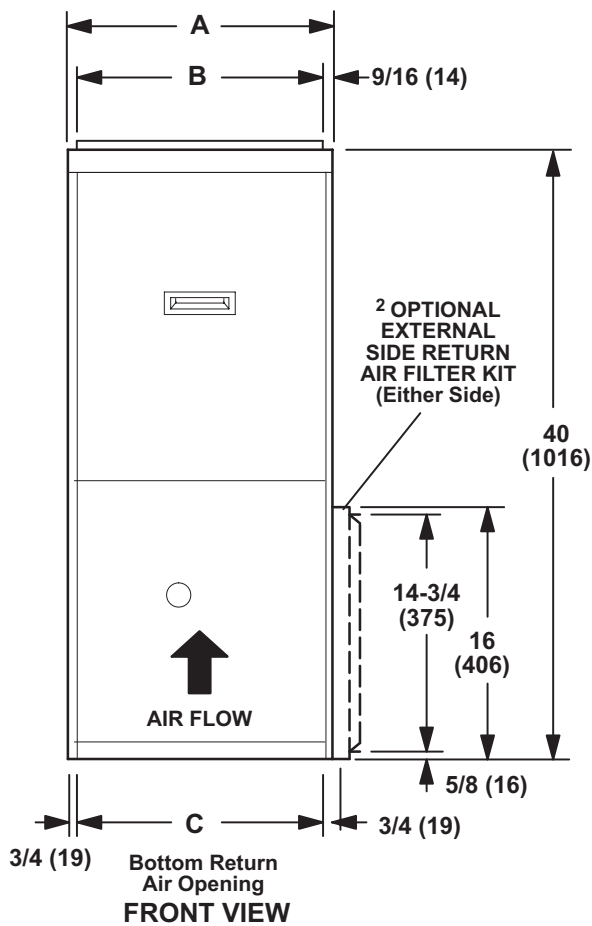
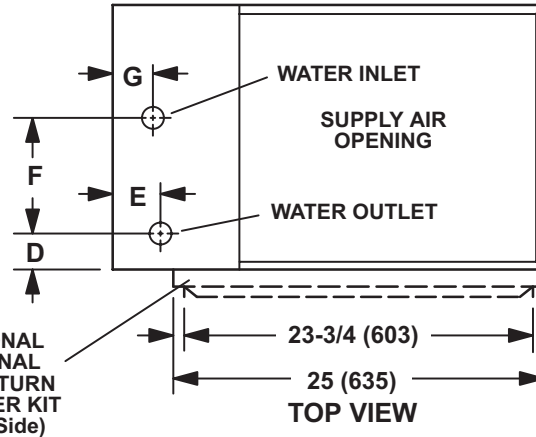
¹ Line contact installation permissible between jacket top or sides and building joists

² Front clearance for alcove installations is 30 in.

DIMENSIONS - INCHES (MM)

¹ NOTE - Single side inlet applications result in approximately 4% reduction of air volume on B-size units and approximately 5% reduction of air volume on C-size units.

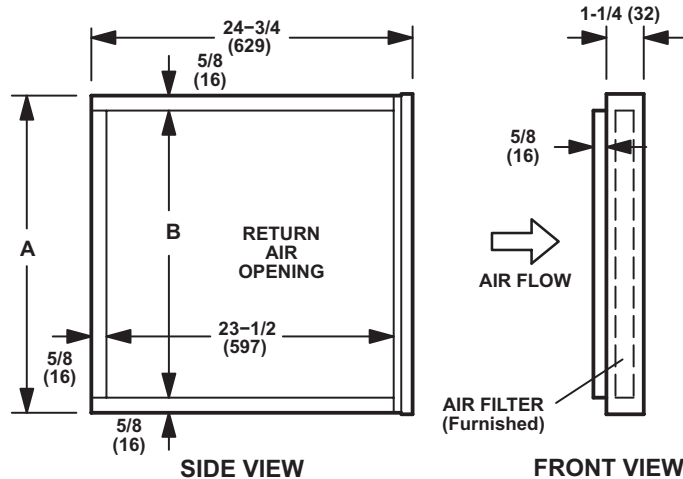
² Optional External Side Return Air Filter Kit is not for use with the optional RAB Return Air Base.



Model No.	A		B		C		D		E		F		G	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CBWMV-24B-040 CBWMV-36B-070	17-1/2	446	16-3/8	416	16	406	1-1/2	38	1-3/4	44	8	203	2	51
CBWMV-36C-090 CBWMV-60C-100 CBWMV-60C-130	21	533	19-7/8	454	19-1/2	495	2	51	2-1/2	64	9-1/2	241	1-1/2	38

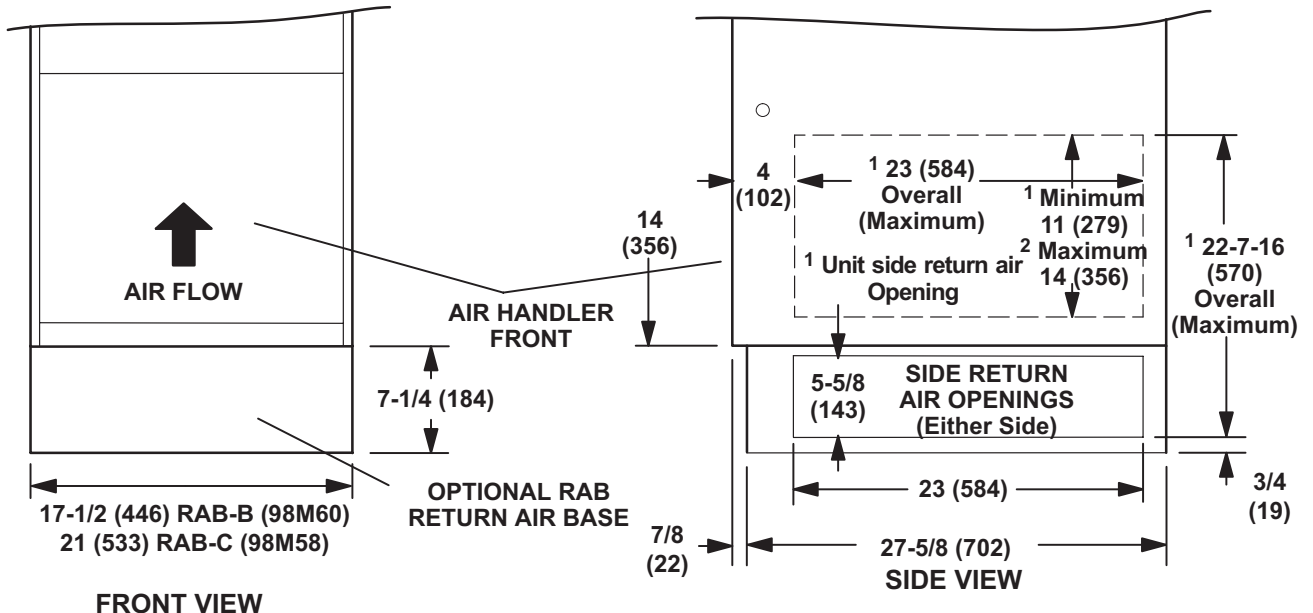
OPTIONAL ACCESSORY DIMENSIONS - INCHES (MM)

HORIZONTAL FILTER KIT



Catalog Number	A		B	
	inch	mm	inch	mm
87L96	18	457	16-3/4	425
87L97	21	533	18-3/4	476

RAB RETURN AIR BASE (Upflow Applications Only)



NOTE- Optional Side Return Air Filter Kits are not for use with RAB Return Air Base.

¹ Both the unit return air opening and the base return air opening must be covered by a single plenum or IAQ cabinet. Minimum unit side return air opening dimensions for units requiring 1800 cfm or more of air (W x H): 23 x 11 in. (584 x 279 mm). The opening can be cut as needed to accommodate plenum or IAQ cabinet while maintaining dimensions shown.

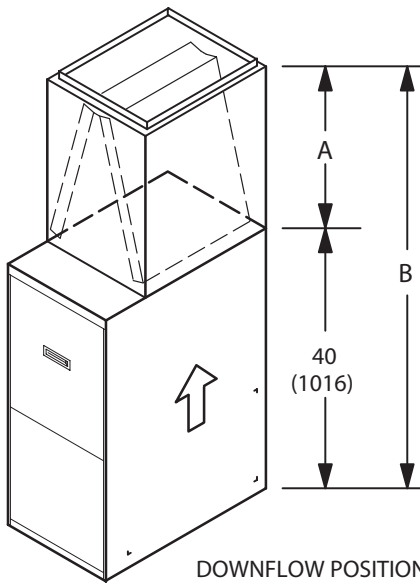
Side return air openings must be cut in the field. There are cutting guides stenciled on the cabinet for the side return air opening. The size of the opening must not extend beyond the markings on the furnace cabinet.

² To minimize pressure drop, the largest opening height possible (up to 14 inches) is preferred.

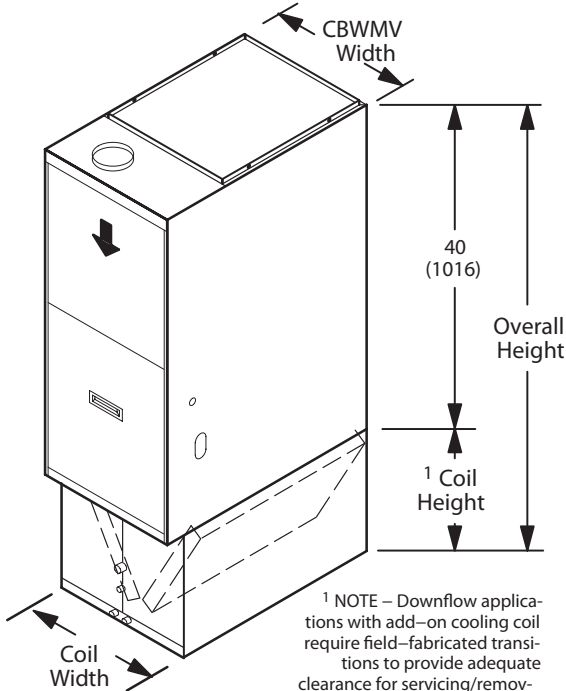
NOTE- Optional Side Return Air Filter Kits are not for use with RAB Return Air Base.

DIMENSIONS - INCHES (MM) - FURNACE/COIL COMBINED COMBINATIONS

UPFLOW POSITION

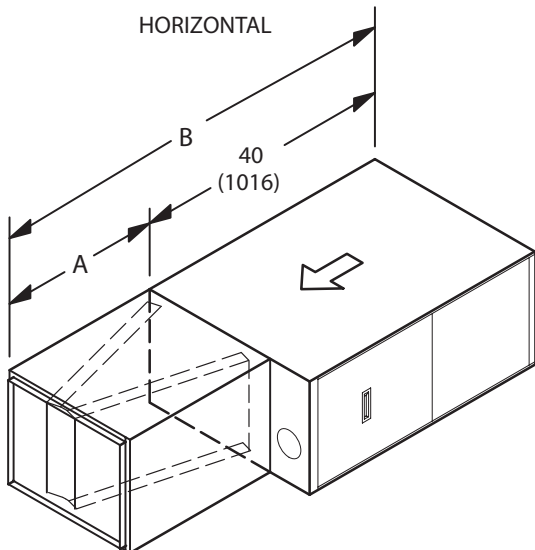


DOWNFLOW POSITION



¹ NOTE – Downflow applications with add-on cooling coil require field-fabricated transitions to provide adequate clearance for servicing/removing the cooling coil without cutting the water lines. See Installation Instructions.

HORIZONTAL



UPFLOW POSITION

Model No	Cased				Uncased (CX34 - cased only)			
	A		B		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm
CX34-18/24B-6F CX34-18/24C-6F	16-1/2	419	56-1/2	1435	13-7/8	352	53-7/8	1368
CX34-25B-6F C33-25B	19-1/2	495	59-1/2	1511	15-7/8	403	55-7/8	1419
CX34-30B-6F CX34-30C-6F	20-1/2	521	60-1/2	1537	17-3/4	451	59-3/4	1467
CX34-31B-6F C33-31B	23-1/2	597	63-1/2	1613	20-1/4	514	60-1/4	1530
CX34-36B-6F C33-36B	24-1/2	622	64-1/2	1638	21-7/8	556	61-7/8	1572
CX34-36C-6F C33-36C	24-1/2	622	64-1/2	1638	21-1/4	540	61-1/4	1556
CX34-38B-6F C33-38B	24-1/2	622	64-1/2	1638	22	559	62	1575
CX34-42B-6F C33-42B	24-1/2	622	64-1/2	1638	21-7/8	556	61-7/8	1572
CX34-43B-6F C33-43B	28-1/2	724	68-1/2	1740	26-1/4	667	66-1/4	1683
CX34-43C-6F C33-43C	28-1/2	724	68-1/2	1740	25-3/4	654	65-3/4	1670
CX34-43C-6F C33-44C	24-1/2	622	64-1/2	1638	21-1/2	546	61-1/2	1562
CX34-44/48B-6F C33-48B	24-1/2	622	64-1/2	1638	22-1/8	562	62-1/8	1578
CX34-44/48C-6F C33-48C	24-1/2	622	64-1/2	1638	21-1/2	546	61-1/2	1562
CX34-49C-6F C33-49C	29-1/2	749	70-1/2	1791	28-1/2	724	68-1/2	1740
CX34-50/60C-6F C33-50/60C	27-1/2	699	67-1/2	1715	24-3/4	629	64-3/4	1645
CX34-62C-6F C33-62C	32-1/2	826	72-1/2	1842	30-5/8	778	70-5/8	1793

DOWNFLOW POSITION

Model Number	Coil Width		Furnace Width		Coil Height		Overall Height	
	in.	mm	in.	mm	in.	mm	in.	mm
CR33-24B-F	17-1/2	446	17-1/2	446	13-1/4	337	53-1/4	1353
CR33-30/36B-F	17-1/2	446	17-1/2	446	16-1/8	410	56-1/8	1426
CR33-30/36C-F	21	533	21	533	16-1/8	410	56-1/8	1426
CR33-48B-F	21	533	17-1/2	446	20	508	60	1524
CR33-48C-F	21	533	21	533	20	508	60	1524
CR33-50/60C-F	24-1/2	622	21	533	23-5/8	600	53-5/8	1362

HORIZONTAL POSITION

Model Number	A		B	
	in.	mm	in.	mm
CH33-25B-2F CH33-31B-2F CH33-36B-2F CH33-36C-2F CH33-42B-2F CH33-43C-2F CH33-48C-2F	26-1/2	673	66-1/2	1689
CH33-43B-2F CH33-44/48B-2F CH33-49C-2F CH33-50/60C-2F	31-1/2	800	71-1/2	1816

BLOWER DATA

CBWMV-24B-040 Blower Performance

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Blower Control Jumper Speed Positions											
	"HEAT" Speed - cfm				First Stage "COOL" Speed - cfm				Second Stage "COOL" Speed - cfm			
	1	2	3	4	1	2	3	4	1	2	3	4
+	820	990	1180	1340	610	770	930	1010	880	1120	1340	1440
¹ NORM	750	900	1070	1230	560	700	830	910	800	1000	1200	1300
—	670	810	940	1080	510	630	750	810	720	900	1080	1170

CBWMV-36B-070 Blower Performance

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Blower Control Jumper Speed Positions											
	"HEAT" Speed - cfm				First Stage "COOL" Speed - cfm				Second Stage "COOL" Speed - cfm			
	1	2	3	4	1	2	3	4	1	2	3	4
+	790	980	1140	1310	590	745	895	975	850	1090	1300	1430
¹ NORM	730	870	1040	1190	545	680	805	890	775	990	1190	1280
—	640	770	920	1070	490	600	725	780	700	870	1065	1150

CBWMV-36C-090 Blower Performance

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Blower Control Jumper Speed Positions											
	"HEAT" Speed - cfm				First Stage "COOL" Speed - cfm				Second Stage "COOL" Speed - cfm			
	1	2	3	4	1	2	3	4	1	2	3	4
+	820	1000	1180	1340	620	770	930	1010	890	1130	1340	1450
¹ NORM	760	900	1070	1220	570	700	830	910	800	1020	1220	1310
—	675	810	950	1100	520	630	760	810	720	900	1100	1180

CBWMV-60C-100 Blower Performance

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Blower Control Jumper Speed Positions											
	"HEAT" Speed - cfm				First Stage "COOL" Speed - cfm				Second Stage "COOL" Speed - cfm			
	1	2	3	4	1	2	3	4	1	2	3	4
+	1500	1700	1880	2100	1110	1250	1380	1530	1540	1760	1970	2200
¹ NORM	1370	1540	1720	1920	1000	1130	1250	1380	1400	1600	1800	1980
—	1250	1380	1540	1720	930	1040	1130	1260	1270	1420	1600	1780

CBWMV-60C-120 Blower Performance

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Blower Control Jumper Speed Positions											
	"HEAT" Speed - cfm				First Stage "COOL" Speed - cfm				Second Stage "COOL" Speed - cfm			
	1	2	3	4	1	2	3	4	1	2	3	4
+	1510	1720	1900	2120	1100	1250	1400	1560	1570	1800	2000	2200
¹ NORM	1380	1560	1740	1920	990	1130	1260	1400	1410	1620	1820	2020
—	1240	1380	1540	1720	930	1020	1130	1260	1260	1440	1620	1810

¹ Factory default jumper setting.

NOTES - The effect of static pressure and filter resistance is included in air volumes shown.

First stage COOL is approximately 70% of the same second stage COOL speed position.

Continuous Fan Only speed is approximately 38% of the same second stage COOL speed position.

Harmony III™ Zoning System applications - Minimum blower speed:

250 cfm for -24B-40, -36B-070, -36C-090.

450 cfm for -60C-100.

380 cfm for 60C-120.

Maximum air volume is the same as second stage cool position.

Applications with single sided inlets will reduce the air volume by approximately 4% on B-size units and 5% on C-size units.

HEATING PERFORMANCE

CBWMV-24B-040 HEATING OUTPUTS

NOTE - Capacities in shaded area require Harmony III™ Zoning System to reach the air volumes listed

Air Volume (cfm)	Heating Outputs At Various Water Temperatures (Btuh)						
	140°F	150°F	160°F	170°F	180°F	190°F	200°F
400	23,700	26,900	30,100	33,500	36,700	39,900	43,100
500	27,400	31,100	34,800	38,800	42,500	46,200	49,900
600	30,700	34,800	38,900	43,500	47,600	51,700	55,900
700	33,600	38,100	42,600	47,600	52,200	56,700	61,200
800	36,200	41,000	45,900	51,400	56,300	61,100	66,000
900	38,500	43,700	48,800	54,800	60,000	65,200	70,400
1000	40,700	46,100	51,600	57,900	63,400	68,900	74,400
1100	42,700	48,400	54,100	60,700	66,500	72,300	78,100
1200	44,500	50,400	56,400	63,400	69,400	75,500	81,500
1300	46,200	52,400	58,500	65,900	72,100	78,400	84,700

CBWMV-36B-070 HEATING OUTPUTS

NOTE - Capacities in shaded area require Harmony III™ Zoning System to reach the air volumes listed

Air Volume (cfm)	Heating Outputs At Various Water Temperatures (Btuh)						
	140°F	150°F	160°F	170°F	180°F	190°F	200°F
400	30,300	34,400	38,500	42,700	46,800	50,900	54,900
500	36,200	41,100	45,900	51,100	56,000	60,900	65,700
600	41,500	47,100	52,600	58,700	64,300	69,900	75,500
700	46,300	52,500	58,700	65,600	71,800	78,100	84,300
800	50,700	57,400	64,200	71,800	78,700	85,500	92,400
900	54,600	61,900	69,200	77,600	85,000	92,300	99,700
1000	58,200	66,000	73,700	82,800	90,700	98,600	106,500
1100	61,500	69,700	78,000	87,600	96,000	104,300	112,700
1200	64,600	73,200	81,800	92,100	100,900	109,700	118,500
1300	67,400	76,400	85,400	96,300	105,500	114,600	123,800

CBWMV-36C-090 HEATING OUTPUTS

NOTE - Capacities in shaded area require Harmony III™ Zoning System to reach the air volumes listed

Air Volume (cfm)	Heating Outputs At Various Water Temperatures (Btuh)						
	140°F	150°F	160°F	170°F	180°F	190°F	200°F
400	31,400	35,600	39,800	44,100	48,400	52,600	56,800
500	38,000	43,000	48,100	53,400	58,500	63,600	68,700
600	44,000	49,900	55,800	62,000	67,900	73,800	79,700
700	49,600	56,200	62,900	69,900	76,600	83,300	90,000
800	54,800	62,100	69,400	77,300	84,700	92,100	99,400
900	59,600	67,500	75,500	84,200	92,200	100,200	108,300
1000	64,100	72,600	81,200	90,600	99,300	107,900	116,500
1100	68,300	77,400	86,500	96,700	105,900	115,100	124,300
1200	72,200	81,800	91,400	102,300	112,000	121,800	131,500
1300	75,900	86,000	96,100	107,600	117,900	128,100	138,400

CORRECTION FACTOR FOR DIFFERENT INLET AIR TEMPERATURES

60°F	Add 6%
65°F	No Change
70°F	Minus 6%
75°F	Minus 12%

HEATING PERFORMANCE

CBWMV-60C-100 HEATING OUTPUTS

NOTE - Capacities in shaded area require Harmony III™ Zoning System to reach the air volumes listed

Air Volume (cfm)	Heating Outputs At Various Water Temperatures (Btuh)						
	140°F	150°F	160°F	170°F	180°F	190°F	200°F
700	49,600	56,200	62,900	69,900	76,600	83,300	90,000
800	54,800	62,100	69,400	77,300	84,700	92,100	99,400
900	59,600	67,500	75,500	84,200	92,200	100,200	108,300
1000	64,100	72,600	81,200	90,600	99,300	107,900	116,500
1100	68,300	77,400	86,500	96,700	105,900	115,100	124,300
1200	72,200	81,800	91,400	102,300	112,000	121,800	131,500
1300	75,900	86,000	96,100	107,600	117,900	128,100	138,400
1400	79,300	89,900	100,500	112,600	123,400	134,100	144,800
1500	82,600	93,600	104,600	117,400	128,600	139,800	150,900
1550	84,200	95,400	106,600	119,700	131,100	142,500	153,900
1700	88,600	100,400	112,300	126,200	138,200	150,200	162,200
1900	94,000	106,600	119,100	134,100	146,900	159,600	172,400
2100	99,000	112,200	125,400	141,300	154,800	168,200	181,700

CBWMV-60C-120 HEATING OUTPUTS

NOTE - Capacities in shaded area require Harmony III™ Zoning System to reach the air volumes listed

Air Volume (cfm)	Heating Outputs At Various Water Temperatures (Btuh)						
	140°F	150°F	160°F	170°F	180°F	190°F	200°F
700	55,000	62,400	69,700	77,400	84,800	92,200	99,600
800	61,600	69,800	78,000	86,700	95,000	103,200	111,500
900	67,700	76,700	85,800	95,500	104,600	113,700	122,700
1000	73,500	83,300	93,100	103,800	113,700	123,500	133,400
1100	79,000	89,500	100,100	111,600	122,300	132,900	143,500
1200	84,100	95,400	106,600	119,100	130,400	141,700	153,100
1300	89,000	100,900	112,800	126,100	138,100	150,100	162,100
1400	93,600	106,100	118,600	132,800	145,400	158,100	170,700
1500	98,000	111,100	124,200	139,100	152,400	165,600	178,900
1550	100,100	113,500	126,800	142,200	155,700	169,300	182,800
1700	106,100	120,200	134,400	150,900	165,300	179,700	194,000
1900	113,400	128,500	143,600	161,600	177,000	192,400	207,800
2100	120,000	136,000	152,000	171,300	187,600	203,900	220,300

CORRECTION FACTOR FOR DIFFERENT INLET AIR TEMPERATURES

60°F	Add 6%
65°F	No Change
70°F	Minus 6%
75°F	Minus 12%

REVISIONS

Sections	Description of Change
Optional Accessories	Added new ComfortSense® 7500 thermostat.



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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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