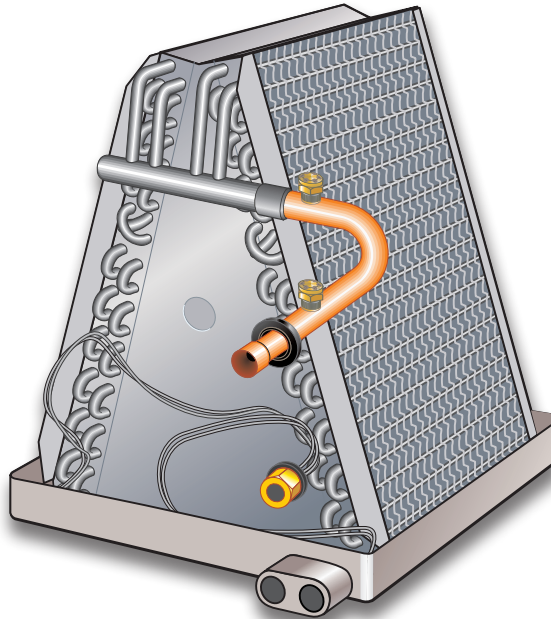


C35

Upflow | Uncased

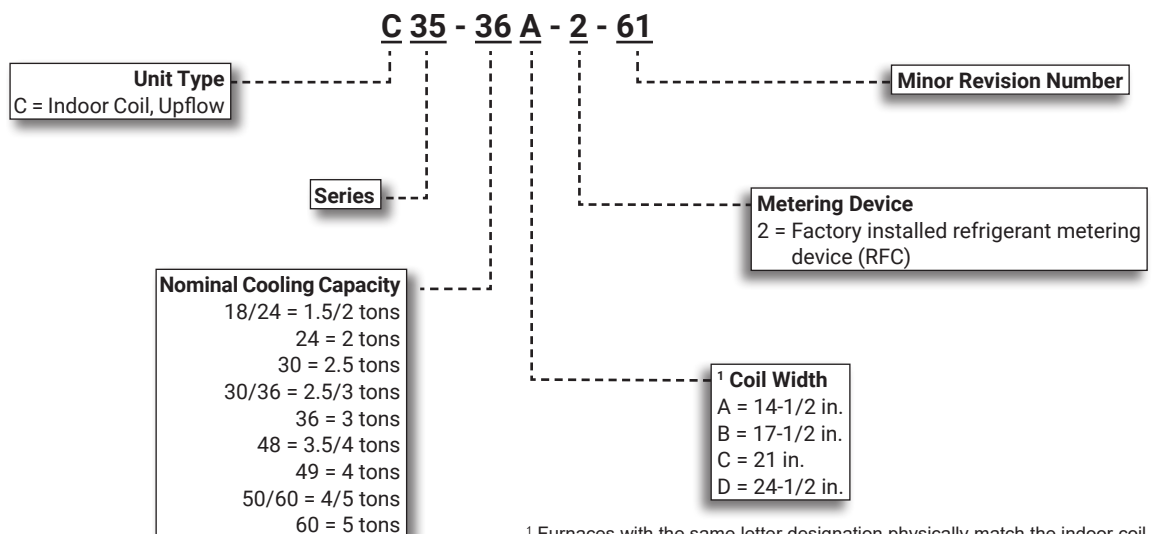
**COMMERCIAL
PRODUCT SPECIFICATIONS (EHB)**

1.5 to 5 Tons



NOTE - These coils are sold in Canada for system installation and replacement!

These coils are sold in the US for repair/replacement only (no system installations are allowed)!

**MODEL NUMBER IDENTIFICATION**

¹ Furnaces with the same letter designation physically match the indoor coil. Coils have different widths, but will fit the corresponding furnace cabinet.

CONTENTS

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Approvals And Warranty	2
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APPROVALS AND WARRANTY

APPROVALS

- Tested with matching air conditioners and heat pump units in the Lennox Research Laboratory environmental test room in accordance with AHRI Standard 210/240
- AHRI Certified system match-ups and expanded ratings, visit www.LennoxPros.com
- Air resistance tests from Lennox Laboratory air test chamber

WARRANTY

- All other covered components:
 - Limited five years in residential installations
 - Limited one year in non-residential installations

NOTE - Refer to Lennox® Basic Limited Warranty at www.Lennox.com for additional details.

FEATURES

APPLICATIONS

- 1.5 to 5 ton nominal sizes
- Lennox designed upflow indoor coils can easily be installed with most Lennox upflow furnaces
- Applicable to expansion valve or RFCIV systems
- RFCIV metering device is factory installed

NOTE - RFCIV systems are applicable to certain air conditioners only.

NOTE - Expansion valve systems require field installed kit

COIL CONSTRUCTION

Quantum™ Coil

- Lennox designed and fabricated coil
- Aluminum tubing, hairpins, distributor and header tubes
- 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
- Liquid line seal nut section furnished for installation of expansion valve
- High pressure testing insures leak-proof construction

Anti-Microbial Drain Pan

- Non-corrosive, UV-resistant polymer drain pan with dual fpt drain connections
- Anti-Microbial additive resists growth of mold and mildew on drain pan which improves indoor air quality and reduces drain line blockage

Universal Piping Patch Plate

- Shipped with the coil for field installation over the liquid and suction lines
- Plate has a scored line so it can be separated for different coils where the liquid and suction lines are farther apart

Refrigerant Line Connections

- Copper refrigerant sweat connections on both liquid and suction lines for easy brazing
- See dimension drawings for locations

Braze-Free/Press Fitting Flexibility

- Units can accomodate braze-free or press fittings for installation versatility

Optional Accessories

Expansion Valve Kits

- Expansion valve available for field installation
- See Air Conditioners or Heat Pump Outdoor Units Product Specifications for expansion valve kit selection

FEATURES

FURNACE MATCH-UP

- Coils exactly match corresponding furnaces with same letter designation in model number
- No adaptor required
- Engaging holes furnished for alignment
- Coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace opening

Optional Accessories

Adjustable Coil Adaptor/Seal

- Telescoping adaptor provides quick and easy installation for uncased coils to furnace
- See dimension drawings and application drawings
- Available ten pack kits

SPECIFICATIONS			1.5 TO 2 TON			
General Data		Model	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
Indoor Coil	Net face area sq. ft.		3.11	3.11	3.55	3.55
	Tube diameter - in.		3/8	3/8	3/8	3/8
	Number of rows		2	2	3	3
	Fins per inch		18	18	14	14
Matching Lennox Furnace - Cabinet Width Designation			A	B	A	B
¹ Coil & Furnace Cabinet Width - in.			14-1/2	17-1/2	14-1/2	17-1/2
Shipping Data - lbs.	Uncased		18	20	23	24
	Cased		30	34	38	43

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS			2.5 TO 3 TON			
General Data		Model	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
Indoor Coil	Net face area sq. ft.		4.44	4.44	4.89	4.89
	Tube diameter - in.		3/8	3/8	3/8	3/8
	Number of rows		2	2	3	3
	Fins per inch		18	18	14	14
Matching Lennox Furnace - Cabinet Width Designation			A	B	A	B
¹ Coil & Furnace Cabinet Width - in.			14-1/2	17-1/2	14-1/2	17-1/2
Shipping Data - lbs.	Uncased		31	32	26	27
	Cased		45	50	41	45

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS			2.5 TO 4 TON				
General Data		Model	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
Indoor Coil	Net face area sq. ft.		4.89	4.89	4.89	5.77	5.77
	Tube diameter - in.		3/8	3/8	3/8	3/8	3/8
	Number of rows		3	2	2	3	3
	Fins per inch		14	18	18	14	14
Matching Lennox Furnace - Cabinet Width Designation			C	A	B	B	C
¹ Coil & Furnace Cabinet Width - in.			21	14-1/2	17-1/2	17-1/2	21
Shipping Data - lbs.	Uncased		29	31	33	43	44
	Cased		48	46	50	55	60

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS			4 TO 5 TON			
General Data		Model	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
Indoor Coil	Net face area sq. ft.		7.0	5.78	7.50	7.58
	Tube diameter - in.		3/8	3/8	3/8	3/8
	Number of rows		3	2	3	3
	Fins per inch		14	18	14	14
Matching Lennox Furnace - Cabinet Width Designation			C	C	C	D
Coil & Furnace Cabinet Width - in.			21	21	21	24-1/2
Shipping Data - lbs.	Uncased		53	40	58	48
	Cased		70	60	73	72

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

OPTIONAL ACCESSORIES - ORDER SEPARATELY	
Adjustable Coil Adaptor/Seal - Uncased models only (Ten Pack)	11L09

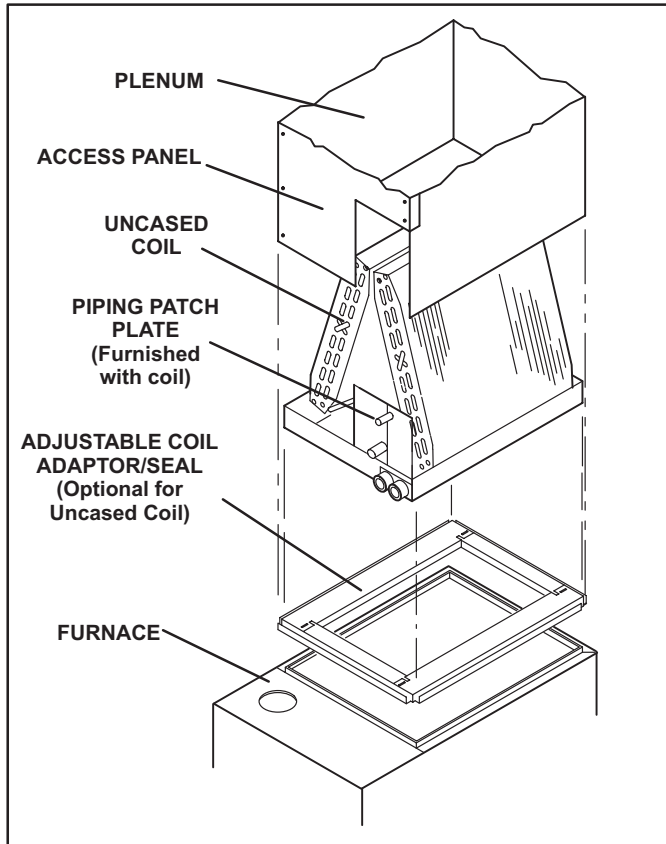
AIR RESISTANCE

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
C35-18/24A-2 C35-18/24B-2	400	0.06	0.08
	600	0.11	0.17
	800	0.18	0.25
	1000	0.27	0.39
	1200	0.37	0.52
C35-24A-2	400	0.05	0.05
	600	0.09	0.10
	800	0.16	0.18
	1000	0.23	0.26
	1200	0.32	0.36
C35-24B-2	400	0.03	0.04
	600	0.07	0.09
	800	0.11	0.15
	1000	0.17	0.22
	1200	0.23	0.31
C35-30A-2	600	0.07	0.08
	800	0.12	0.13
	1000	0.18	0.20
	1200	0.26	0.28
	1400	0.34	0.37
C35-30B-2	600	0.06	0.06
	800	0.09	0.11
	1000	0.13	0.16
	1200	0.19	0.23
	1400	0.25	0.31
C35-30/36A-2	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
C35-30/36B-2 C35-30/36C-2 C35-36B-2	800	0.08	0.11
	1000	0.13	0.16
	1200	0.17	0.21
	1400	0.22	0.28
	1600	0.29	0.34

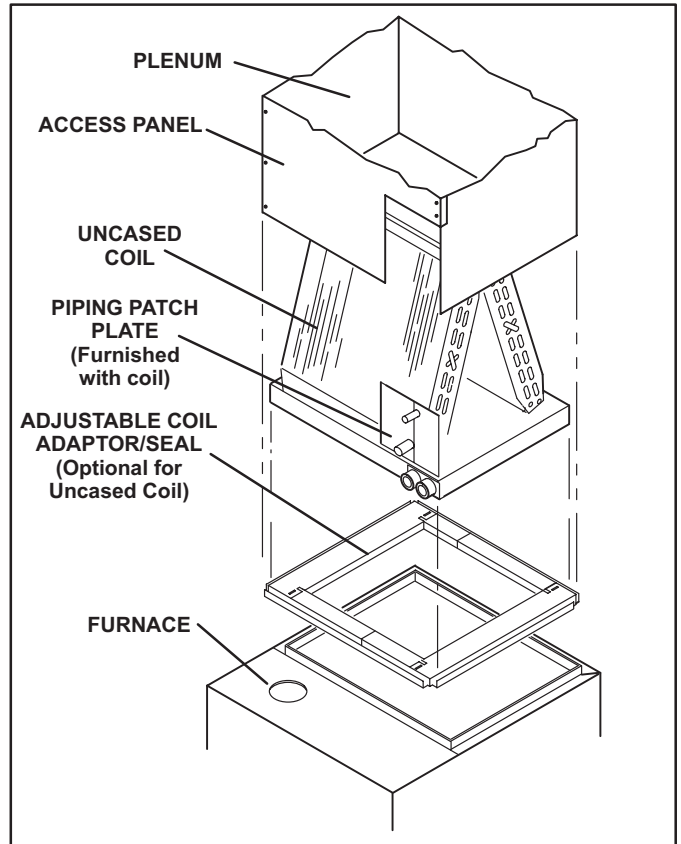
Model No.	Air Volume cfm	Total Resistance	
		Dry Coil	Wet Coil
		in. w.g.	in. w.g.
C35-36A-2	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
C35-48B-2	1000	0.13	0.13
	1200	0.18	0.18
	1400	0.23	0.24
	1600	0.30	0.31
	1800	0.37	0.40
C35-48C-2	1000	0.07	0.09
	1200	0.10	0.12
	1400	0.13	0.16
	1600	0.16	0.20
	1800	0.20	0.24
C35-49C-2	1200	0.08	0.12
	1400	0.13	0.17
	1600	0.17	0.22
	1800	0.22	0.28
	2000	0.28	0.35
C35-50/60C-2	1200	0.13	0.17
	1400	0.18	0.23
	1600	0.23	0.29
	1800	0.28	0.37
	2000	0.34	0.43
C35-60D-2	1400	0.11	0.15
	1600	0.14	0.18
	1800	0.17	0.21
	2000	0.21	0.27
	2200	0.25	0.32
C35-60C-2	2400	0.30	0.37
	1400	0.15	0.19
	1600	0.19	0.23
	1800	0.24	0.28
	2000	0.29	0.34
	2200	0.33	0.40
	2400	0.39	0.46

OPTIONAL ACCESSORIES - ADJUSTABLE UNCASSED COIL ADAPTOR/SEAL

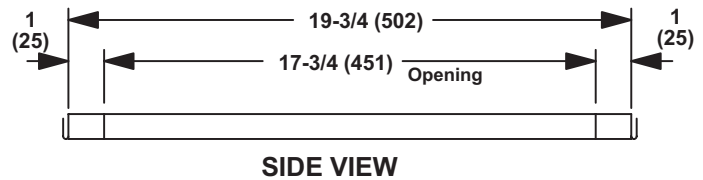
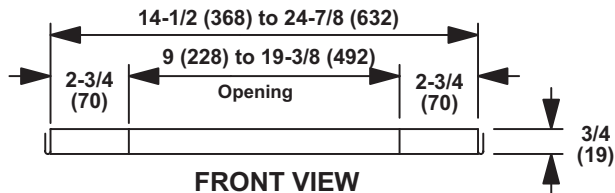
C35-18/24A thru C35-60C UNCASSED COILS



C35-60D UNCASSED COILS

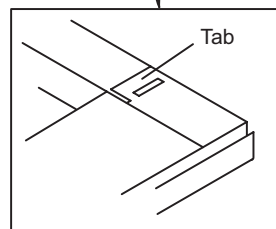
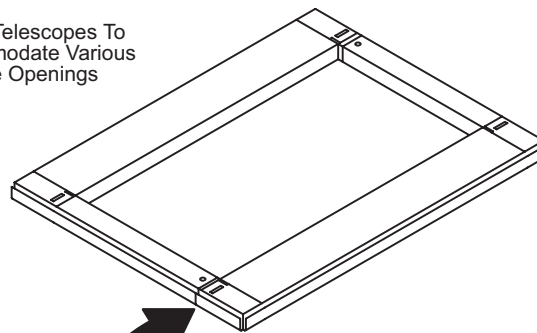


ADJUSTABLE COIL ADAPTOR/SEAL DIMENSIONS — inches (mm)



ADJUSTABLE COIL ADAPTOR/SEAL DETAIL

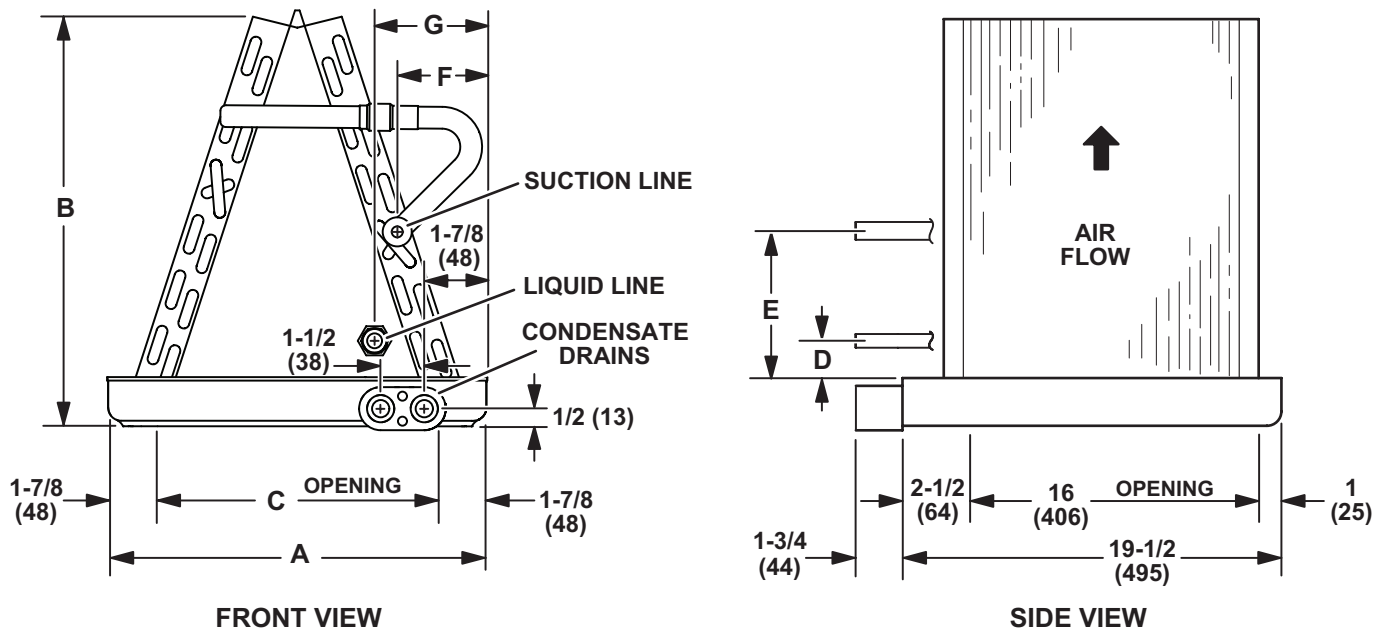
Frame Telescopes To Accommodate Various Furnace Openings



Tab may be bent up 90° for centering of smaller coils.

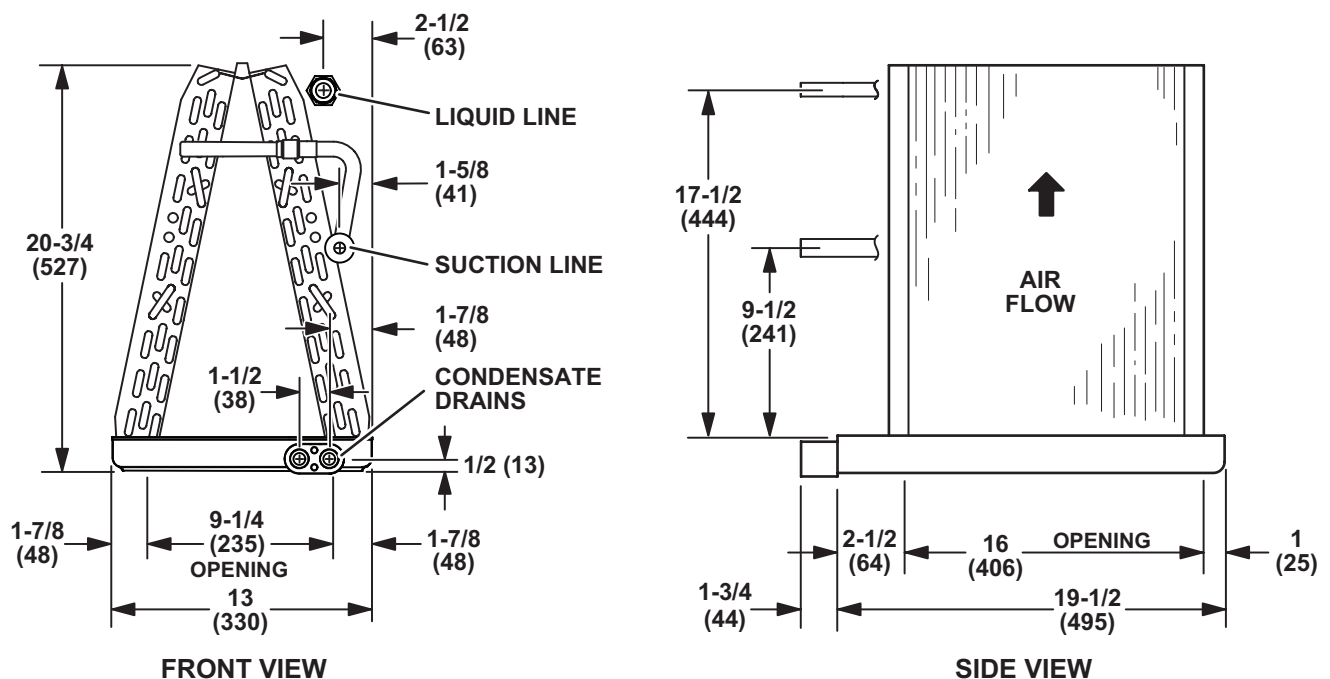
DIMENSIONS

C35-18/24A, -18/24B, -24A, -24B Coils



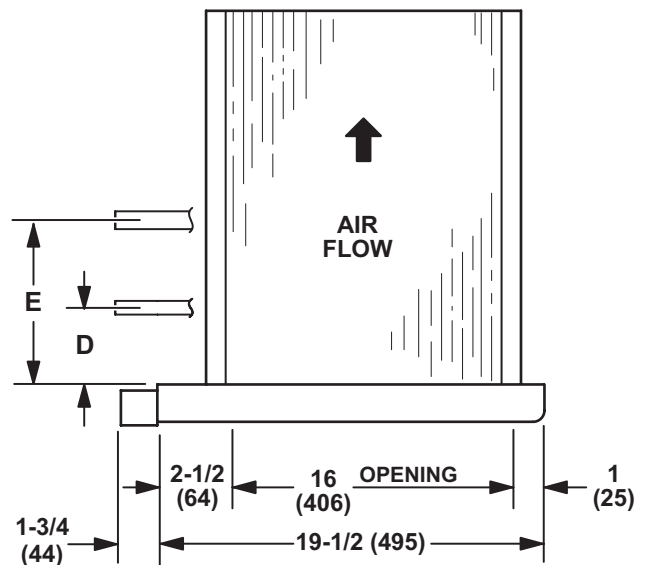
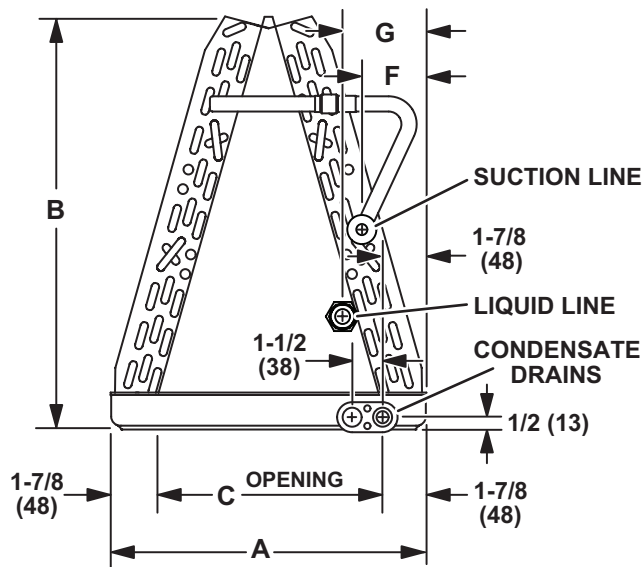
Model Number	A		B		C		D		E		F		G	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C35-18/24A	13	330	14-1/8	359	9-1/4	235	1-1/4	32	5	127	3-1/8	79	3-7/8	98
C35-18/24B	15-1/2	394	14-1/8	359	11-3/4	298	1	25	4-5/8	117	2-7/8	73	3-5/8	92
C35-24A	13	330	16-3/8	416	9-1/4	235	2-7/8	73	7-5/8	194	3-1/8	79	3-3/4	95
C35-24B	15-1/2	394	16-3/8	416	11-3/4	298	2-1/4	57	7-1/2	190	3-1/8	79	4	102

C35-30A Coil



DIMENSIONS

C35-30B, -30/36A, -30/36B, -30/36C, -36A, -36B, -48B, -48C, -50/60C Coils

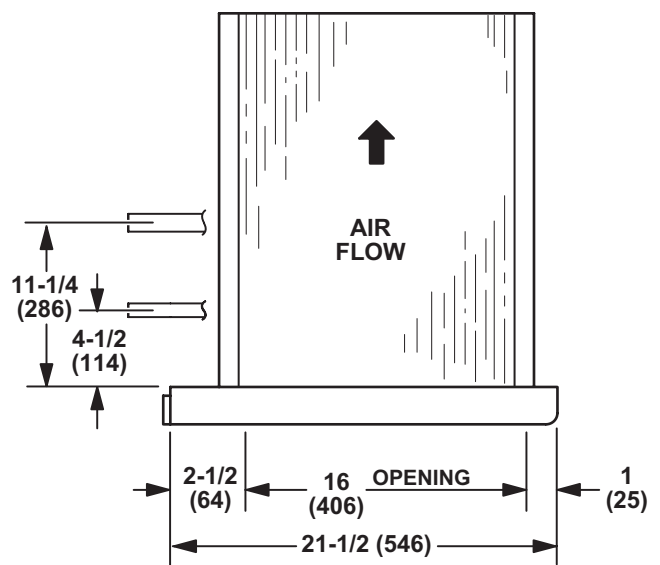
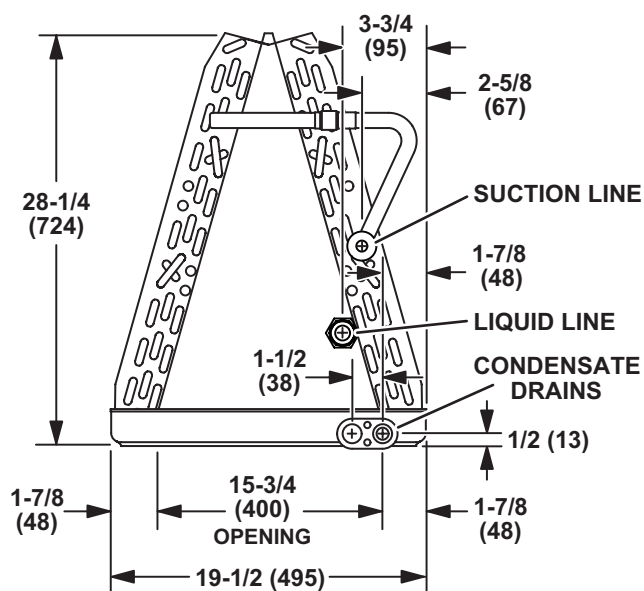


FRONT VIEW

SIDE VIEW

Model Number	A		B		C		D		E		F		G	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
C35-30B	15-1/2	394	20-3/4	527	11-3/4	298	3-1/8	79	8	203	3-1/8	79	4	102
C35-30/36A	13	330	22-1/4	565	9-1/4	235	2-1/2	64	11-3/4	298	3-1/8	79	3-7/8	98
C35-30/36B	15-1/2	394	22-1/4	565	11-3/4	298	2-5/8	67	11	279	3-1/8	79	4	102
C35-30/36C	20	508	22-1/4	565	16-1/4	413	2-3/8	60	11-7/8	302	3-1/8	79	4	102
C35-36A	13	330	22-3/8	568	9-1/4	235	4-1/4	108	12-5/8	321	2-1/2	64	3-1/2	89
C35-36B	15-1/2	394	22-3/8	568	11-3/4	298	4-1/2	114	13	330	2-7/8	73	3-5/8	92
C35-48B	15-1/2	394	26-1/4	667	11-3/4	298	4-3/8	111	12-1/4	311	3-1/8	79	3-3/4	95
C35-48C	20	508	26-1/4	667	16-1/4	413	4-1/8	105	11-3/4	298	3-1/8	79	3-3/4	95
C35-50/60C	20	508	25-7/8	657	16-1/4	413	3-3/4	95	11-3/4	298	3-1/8	79	4	102

C35-49C Coil

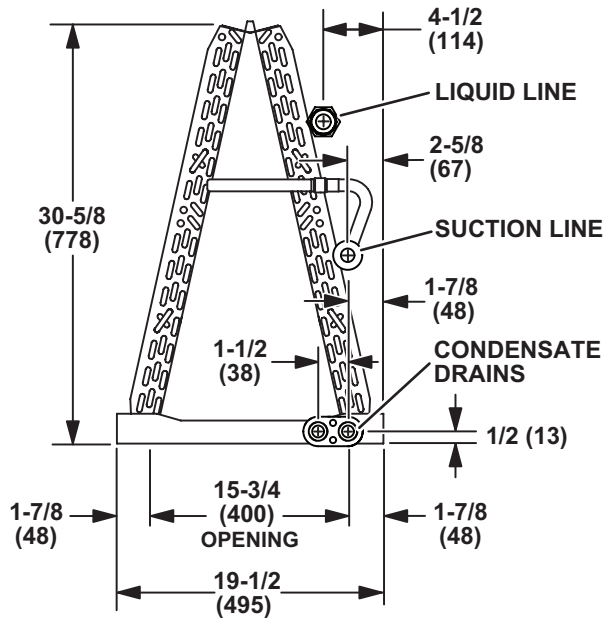


FRONT VIEW

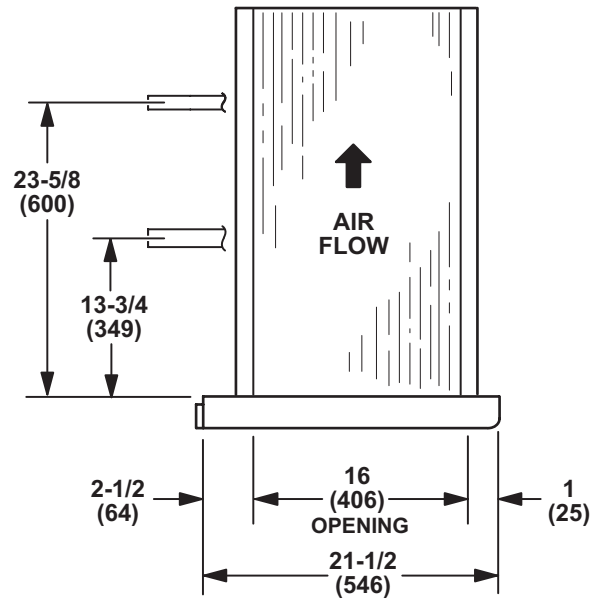
SIDE VIEW

DIMENSIONS

C35-60C Coil

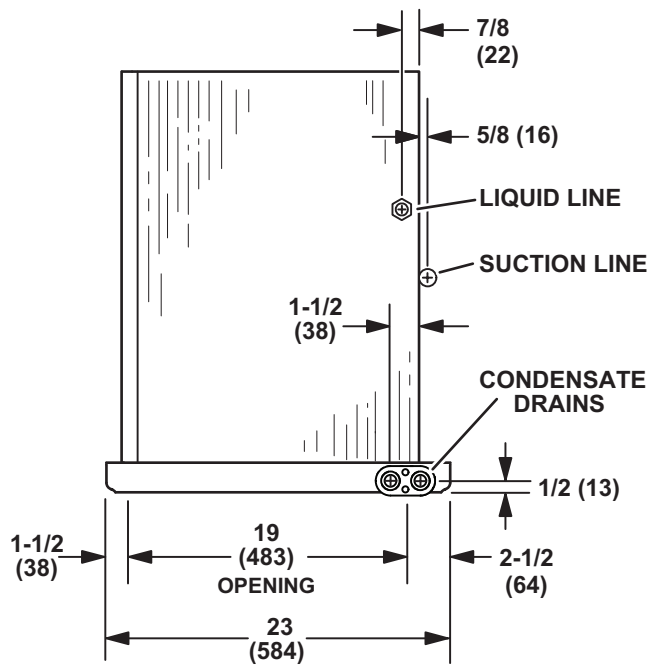


FRONT VIEW

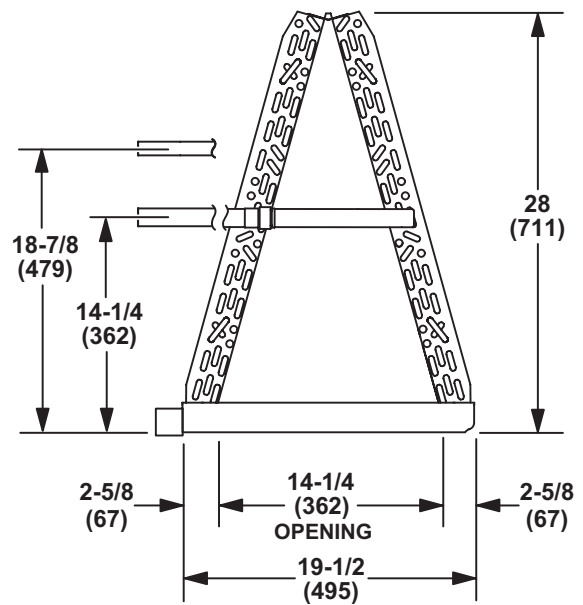


SIDE VIEW

C35-60D Coil



FRONT VIEW

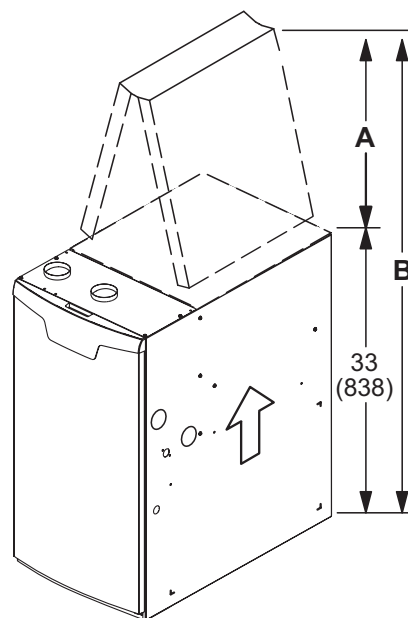


SIDE VIEW

DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS

UPFLOW POSITION

Model No	C35 Uncased			
	A		B	
C35	in.	mm	in.	mm
C35-18/24A C35-18/24B	14-1/8	359	47-1/8	1197
C35-24A C35-24B	16-3/8	416	49-3/8	1254
C35-30A C35-30B	20-3/4	527	53-3/4	1365
C35-30/36A C35-30/36B C35-30/36C	22-1/4	565	55-1/4	1403
C35-36A C35-36B	22-3/8	568	55-3/8	1407
C35-48B C35-48C	26-1/4	667	59-1/4	1505
C35-49C	28-1/2	724	61-1/2	1562
C35-50/60C	25-7/8	657	58-7/8	1495
C35-60C	30-5/8	778	63-5/8	1616
C35-60D	28	711	61	1549





Visit us at www.Lennox.com

For the latest technical information, www.LennoxPros.com

Contact us at 1-800-4-LENNOX

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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